

**APPENDIX II**  
**Hazardous Materials**

# **103-107 and 143-159 West 108<sup>th</sup> Street New York, New York**

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## **Phase I Environmental Site Assessment**

**AKRF Project Number: 22304**

**Prepared for:**

New York City Mayor's Office of Environmental Remediation  
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**JUNE 2015**

## EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by the New York City Mayor's Office of Environmental Remediation to perform a Phase I Environmental Site Assessment (ESA) of the properties located at 103-107 and 143-159 West 108<sup>th</sup> Street (also identified as Manhattan Tax Block 1863, Lots 5, 10, 13, and 26). The Property consists of two discontinuous parcels with a public park between the two parcels totaling approximately 37,845 square feet.

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, the Standard are described in Section 8.0. The term "Recognized Environmental Condition" or REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The Standard also includes definitions of Historic REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

At the time of AKRF's reconnaissance, the buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street were utilized as parking garages and 145-149 West 108<sup>th</sup> Street was utilized as an emergency senior citizen shelter. The properties were bordered by: West 108<sup>th</sup> Street followed by Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue, to the east; mixed-use retail and residential developments, followed by Amsterdam Avenue to the west; and residential buildings followed by West 109<sup>th</sup> Street to the north. A public park is located between 103-107 and 143 West 108<sup>th</sup> Street. The greater surrounding area was predominantly commercial and residential, with numerous new commercial and/or residential buildings under construction.

This assessment revealed the following:

### ***Recognized Environmental Conditions (RECs)***

- Potential underground storage tanks (USTs) and former aboveground storage tanks (ASTs) were noted as follows:
  - 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gas tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial basement of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
  - 143 West 108<sup>th</sup> Street - Historical Sanborn maps identified three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator Mr. Schoemberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
  - 145-149 West 108<sup>th</sup> Street – DOB records identified an oil burner permit dated 1958.
  - 151-159 West 108<sup>th</sup> Street - Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During

reconnaissance, gauges for four tanks were observed. Operator Mr. Schoenberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoenberg was unaware of tank closure or removal.

- Historical uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac Service Station at 143 West 108<sup>th</sup> Street, based on Sanborn Maps and interviews. Based on Sanborn Maps and interviews, there is also potential for prior use as vehicle maintenance at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the basement floor or where the vehicle maintained may have been performed.
- Chemical and material storage noted during inspections including: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five gallon containers of silicone coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue at the top in the basement of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the site.
- A sump with unconfirmed discharge point was observed in the basement of 143 West 108<sup>th</sup> Street building in the southeastern portion of the site.
- The surrounding area historically included factories, ConEd Substations, auto repair, and garages with gasoline USTs.
- Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.

***Other On-site Environmental Concerns (items outside the scope of ASTM E1527-13 such as ACM, LBP and/or PCBs in building materials or fill/debris)***

- Based on the age of the existing buildings, suspect asbestos-containing materials (ACM) may be present. Suspect ACM observed included: suspected historic in-ground hydraulic lifts at 143 West 108<sup>th</sup> Street and 151-159 West 108<sup>th</sup> Street, vinyl floor tile, vinyl stair cover, and associated mastic; suspended ceiling tile; thermal pipe insulation; electrical panel partitions; plaster; wallboard; and roofing materials, which were noted to be in good condition.
- Based on the age of the buildings, window caulking, fluorescent lighting fixtures and electrical equipment in these buildings may utilize polychlorinated biphenyl (PCB)-containing components. Fluorescent lights may contain mercury. The hydraulic building elevator at 145-147 West 108<sup>th</sup> Street and current and former hydraulic lifts at 143 West 108<sup>th</sup> Street and 151-159 West 108<sup>th</sup> Street and may utilize PCB-containing oil.
- Based on the age of the buildings, suspect lead-based paint may be present. Painted surfaces were observed to be in poor to good condition.
- Potential fill materials and/or demolition debris in the Property subsurface may contain lead-based paint, ACM, and/or PCBs.

### Potential for Vapor Migration

This Phase I ESA identified a potential for subsurface vapors, and thus a potential for vapor migration into future buildings at the Property, based on the RECs noted above.

## RECOMMENDATIONS

- Prior to undertaking subsurface disturbance, a subsurface investigation should be performed, including the collection and laboratory analysis of subsurface samples. It is possible that this investigation may uncover evidence of a petroleum spill or other situation reportable to NYSDEC and/or other regulatory agencies.
- Future development entailing soil (or bedrock) disturbance could encounter contaminated soil and/or bedrock. AKRF recommends that, if evidence of contaminated soil or rock (e.g., stains or odors) is encountered, these materials (and all other materials requiring off-site disposal) should be disposed of in accordance with applicable federal, state and local regulations. Any encountered spills should be reported and remediated in accordance with applicable regulatory requirements. Fill, soil and/or bedrock intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal should be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- Past and/or present petroleum storage tanks have been identified by the Phase I ESA. If abandoned tanks are discovered, they should be properly registered, if required, with the NYSDEC and/or the New York City Fire Department, and closed and removed in accordance with all applicable regulations.
- Based upon the findings of the subsurface investigation, a determination should be made as to whether vapor mitigation measures should be developed and implemented for future buildings at the Property.
- Any containers of cleaning fluids and chemicals including paints and waste material should be properly disposed of in accordance with all federal, state and local regulations.
- Unless information or test results exist to indicate that suspect ACM do not contain asbestos, these materials should be sampled by a NYC-certified asbestos investigator prior to any renovation or demolition activities that may disturb them. Any ACM should be removed and disposed prior to the disturbance in accordance with local, state and federal requirements.
- Unless there is labeling or test data indicating that suspect PCB-containing fluorescent lighting fixtures, electrical equipment, elevators, and hydraulic lifts do not contain PCBs, and that fluorescent lighting fixtures do not contain mercury, if disposal is required, it should be performed in accordance with applicable federal, state and local requirements.
- Any activities with the potential to disturb lead-based paint must be performed in accordance with applicable requirements (including federal Occupational Safety and Health Administration regulation 29 CFR 1926.62 - *Lead Exposure in Construction*).
- If suspect ACM or PCB-containing equipment (e.g., fluorescent lighting fixtures or electrical equipment) are identified in fill or demolition debris beneath the Property, handling and disposal should be in accordance with applicable federal, state and local regulations and guidelines.

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## 1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by the New York City Mayor's Office of Environmental Remediation to perform a Phase I Environmental Site Assessment (ESA) of the Property located at 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY (herein referred to collectively as the Property or the project site). The Property is also identified as Manhattan Tax Block 1863, Lots 5, 10, 13, and 26 totaling approximately 37,845-square feet. The Property consists of two discontinuous parcels with a public park between the two parcels. A site location map is provided as Figure 1.

At the time of AKRF's reconnaissance, the buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street were utilized as parking garages and 145-149 West 108<sup>th</sup> Street was utilized as an emergency senior citizen shelter. The Property was bordered by: West 108<sup>th</sup> Street followed by Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue, to the east; mixed-use retail and residential, followed by Amsterdam Avenue to the west; and residential buildings followed by West 109<sup>th</sup> Street to the north. A public park is located between the 103-107 and 143 West 108<sup>th</sup> Street portions of the project site. The greater surrounding area was predominantly commercial and residential, with numerous new commercial and/or residential buildings under construction. A site plan is provided as Figure 2.

The scope of services for this assessment was in conformance with ASTM Standard E1527-13 (*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*). Any exceptions to, or deletions from, this practice are described in Section 8.0. The scope included the following:

- Observations of the Property (reconnaissance) to identify potential sources or indications of hazardous substances, including: aboveground storage tanks (ASTs); underground storage tanks (USTs); tank vents and fill ports; transformers and other items that could contain polychlorinated biphenyls (PCBs), drums or areas where hazardous materials were used, stored, or disposed; stained surfaces and soils; stressed vegetation, leaks, odors. In addition, neighboring properties were viewed, but only from public rights-of-way, to identify similar concerns.
- Readily available geological and groundwater (hydrogeological) information was evaluated to assist in determining the potential for contamination migration (including in soil, soil vapor and/or groundwater) within, from and onto the Property.
- The reconnaissance of the Property included observation of any readily visible suspect asbestos-containing materials (ACMs) and potential lead-based paint. However, no samples were collected or analyzed and this reconnaissance provides neither definitive nor exhaustive information.
- A state database of county-level radon concentrations was used to determine typical indoor radon levels and compare them to United States Environmental Protection Agency (USEPA) guidelines.
- Historical fire insurance maps, historical USGS topographic maps, and historical aerial photographs for the Property and nearby sites were reviewed to evaluate historical land uses. Additionally, historic city directories for the project site were reviewed.
- The following federal regulatory databases were reviewed to determine the regulatory status of the Property and other properties within the ASTM-defined radii: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF) and the USEPA Civil Enforcement Docket. The federal listing of facilities

which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

- The following state regulatory databases were reviewed to determine the regulatory status of the Property and other properties within predetermined radii: petroleum and hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Hazardous Substance Disposal Site Draft Study; Hazardous Waste Treatment, Storage or Disposal Facilities; Major Oil Storage Facilities (MOSF); Brownfield Cleanup Program (BCP); and Historic Utility Sites.
- Local agency reviews including NYC Fire Department records (obtained as part of the database search), online Buildings and Finance Departments records, and Environmental Quality Review (CEQR) E Designation Sites were conducted for the Property only.

## 2.0 PHYSICAL SITE DESCRIPTION

On May 29, 2015, Ms. Elizabeth Matamoros of AKRF conducted a reconnaissance of the Property, accompanied by Ms. Ariel Krasnow of West Side Federation for Senior and Supportive Housing (WSFSSH), and Ms. Brenda Washington of NYC Housing Preservation and Development (HPD), who answered pertinent questions. Additionally, Mr. John Reccy, the garage operator of 103-107 West 108<sup>th</sup> Street; Mr. Roy Schoemberg, the garage operator of 143 and 151-159 West 108<sup>th</sup> Street; and Ms. Karen Jorgensen, the director of the senior citizen shelter, accompanied AKRF in their respective properties, and answered pertinent questions. Neighboring properties were also viewed, but only from public rights-of-way. At the time of the inspection, the weather was sunny and approximately 70 °F, the visibility good, and the premises adequately illuminated. Photographs from the reconnaissance are included in *Appendix A*.

### 2.1 General Site Conditions

#### 103-107 West 108<sup>th</sup> Street

The 103-107 West 108<sup>th</sup> Street portion of the Property consisted of a three-story building with a small subgrade mechanical room accessible by the sidewalk. Access to the building was gained through a vehicle entrance on West 108<sup>th</sup> Street, in the middle of the building.

At the time of the inspection, the building was occupied as a parking garage with three floors of parked cars and a small office space on the first floor at the front (south side) of the building. Mr. John Reccy, the garage operator, indicated that the garage had been in operation for 30 years under the current lease. No auto work currently takes place in the building, but when he first took over the building there were car batteries, waste oil, and 55-gallon drums throughout the building. Mr. Reccy reported that asbestos was recently identified in the furnace room, which was reportedly removed. The building was of brick and concrete construction with concrete floors, and building materials were observed to be in fair to good condition. The building was illuminated by fluorescent lights and served by one traction elevator for moving cars between floors. The elevator machine room and a small partially-enclosed space occupied by pigeons were located on the roof, and the roof was constructed of rolled-on roofing.

The building was heated with electric radiant heat, and no natural gas or fuel oil served the building. An old boiler and decommissioned 275-gallon aboveground storage tank (AST) were noted in the mechanical space, along with debris and broken glass on the floor. According to Mr.

Reccy, the building was previously used as a vehicle service station and performed oil changes. No significant oil staining was noted on the concrete floors and no evidence of tanks or fill ports were noted during the inspection. The exterior of the building was in fair condition with some peeling paint, and boarded up windows. The surrounding sidewalk was noted to be in good condition.

#### 143 West 108<sup>th</sup> Street

The 143 West 108<sup>th</sup> Street portion of the Property consisted of a five-story parking garage plus full basement. Access to the building was gained through an entrance on West 108<sup>th</sup> Street.

At the time of inspection, the building was occupied and operating as a parking garage. Mr. Roy Schoemberg, the garage operator, indicated that he had been associated with the operation of this garage for approximately 30 years and is on a month-to-month lease. The building was not currently heated, but when he took over the building, he noted there were fill ports in the middle of the building on the first floor which led to the basement. Mr. Schoemberg indicated that any tanks associated with prior gasoline filling station or used for heating would likely still be in place. Hydraulic parking lifts for the cars were noted in the building. All observed lifts were above-ground and fully contained; however, Mr. Schoemberg believed below-ground lifts may have been associated with prior uses of the building.

The building was served by ConEdison electricity and natural gas, but is not currently heated. Radiators from a former heating system were noted throughout the building with ceiling-mounted units noted on the fifth floor. A sump was noted along the eastern wall in the basement. The building was of brick and concrete construction with concrete floors. Building materials were observed to be in fair to good condition. The building was illuminated by fluorescent lights and served by two traction elevators on the southern side of the building for moving cars between floors. The roof consisted of roll-on roofing, and was recently patched. Mr. Schoemberg indicated that a new roof would be placed on top of the existing roof in the coming weeks. The roof contained the elevator machine rooms, and a discarded propane tank was observed.

#### 145-149 West 108<sup>th</sup> Street

The 145-149 West 108<sup>th</sup> Street portion of the Property consisted of a five-floor residential building plus basement, which occupied the majority of the lot footprint. A concrete patio was located on the northern side of the building, and a patio and garden were located on the eastern side of the building. Access to the building was gained through an entrance on West 108<sup>th</sup> Street.

At the time of inspection, an emergency senior citizen shelter occupied the building. The director of the shelter, Ms. Karen Jorgensen, led the reconnaissance and answered pertinent questions. The shelter was originally two buildings, and in 1986, the building at 145 West 108<sup>th</sup> Street was demolished, and 147-149 West 108<sup>th</sup> Street was gut renovated. Asbestos was removed during the 1986-1988 renovation, and the shelter opened in May 1988. The top four floors of the building are residential, with private rooms off a hallway and communal bathrooms. The first floor contains a lobby, small offices, a medical office, conference room, commercial kitchen, and dining space.

The building was heated by steam generated by a natural gas-fired boiler in the basement. Window air conditioning units cooled parts of the building, and a larger central air conditioning system served the first floor. Finishes noted include tile, painted walls, drywall, some carpeted and hard floors, all in good condition. The rear deck on the northern side of the building was of concrete construction with a crawl space underneath for storage. The building was illuminated by fluorescent lights and served by a hydraulic elevator. Trash was stored in the rear of the building

and picked up regularly by the City of New York. A small garden with newly imported topsoil was located on the eastern side of the building. Cleaning materials and chemical storage noted in the basement near the laundry room included ammonia, detergent, floor stripper, and floor finish. No odors or staining were noted in the chemical storage area. The exterior of the building was noted to be in good condition.

#### 151-159 West 108<sup>th</sup> Street

The 151-159 West 108<sup>th</sup> Street portion of the Property consisted of a four-floor parking garage plus basement. Access to the building was gained through an entrance on West 108<sup>th</sup> Street.

At the time of inspection, the building was occupied and operating as a parking garage. Mr. Roy Schoenberg, the garage operator, indicated that he had been associated with the operation of this garage for approximately 25 years and is on a month-to-month lease. The building was not currently heated or cooled. Gauges for four tanks were observed in the front office; however, these tanks are not currently in use and their exact location was unknown. According to Mr. Schoenberg, fill ports for the tanks were previously located in the center of the building on the first floor leading to the basement. Aboveground hydraulic parking lifts were noted on the first floor for vehicles. Patched concrete was noted in the basement of the garage.

The building was of brick and concrete construction with concrete floors. Building materials were observed to be in fair to good condition. The building was illuminated by fluorescent lights and served by two traction elevators on the south side of the building for moving cars between floors. The roof consisted of roll on roofing, recently replaced on top of the existing roof. The roof contained the elevator machine rooms. Bags of concrete, five gallon containers of silicone coating and paint, and propane tanks were stored on the roof. Additionally some broken windows, loose pipes and building materials, and stained rags were noted in the building.

## **2.2 Topography and Hydrogeology**

The Property surface topography was observed to slope slightly down toward the east. Based on the U.S. Geological Survey Central Park Quadrangle map, the Property slopes from approximately 105 to 90 feet above the North American Datum of 1983 (an approximation of mean sea level). Based on USGS mapping, the approximate depth to bedrock is 80 feet below grade. Based on USGS mapping and reports in the vicinity of the project site, groundwater is anticipated to flow in an east-southeasterly direction. However, actual water table depth and groundwater flow direction can be affected by many factors including subsurface openings or obstructions such as basements, utilities and subway tunnels (particularly the 1 Line tunnels to the west beneath Broadway, and the A/C/B/D tunnels to the east beneath Central Park West), current or past pumping of groundwater, past filling, and other factors beyond the scope of this assessment. Groundwater in this part of Manhattan is not used as a source of potable water.

## **2.3 Storage Tanks**

### **2.3.1 Underground Storage Tanks (USTs)**

The review of regulatory databases and computerized FDNY records did not reveal any records relating to USTs at any of the addresses comprising the Property.

Evidence of at least four USTs (four gauges) was noted at 151-159 West 108<sup>th</sup> Street. In addition, the current operator at 143 West 108<sup>th</sup> Street reported that USTs were formerly used at the Property. These USTs may have been removed, or may remain beneath the Property. Historical Sanborn maps identified tanks at three of the four site lots: two

gasoline tanks at 103-107 West 108<sup>th</sup> Street, three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street, and four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street. These USTs may have been removed, or may remain beneath the Property. Additional USTs may have been used for heating of the buildings or other prior uses. No record of their closure, removal, or regulatory status was available.

Off-site USTs are discussed in Section 5.2.2.

### **2.3.2 Aboveground Storage Tanks (ASTs)**

The review of regulatory databases and computerized FDNY records did not reveal any records relating to ASTs at any of the addresses comprising the Property.

A decommissioned 275-gallon AST with no associated piping was noted in the partial basement of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.

Off-site ASTs are discussed in Section 5.2.2.

## **2.4 Polychlorinated Biphenyls (PCBs) and Mercury**

Until 1979, polychlorinated biphenyls (PCBs), which provided beneficial insulating properties, were used in a variety of products, in particular electrical equipment such as transformers, capacitors, fluorescent light fixtures, and voltage regulators, but also in hydraulic fluids and some other products such as caulking.

Based on the age of the buildings, fluorescent lighting fixtures, electrical equipment, transformers, elevator, hydraulic lifts, and caulking may contain PCBs. No evidence of leaks or stains from such equipment was observed.

## **2.5 Lead-Based Paint**

After 1977, the use of lead-based paint inside commercial structures was also restricted and its use elsewhere became less common, but lead-based paint may still sometimes be used outdoors. Lead-based paint can present a hazard, particularly to children, especially when it is in poor condition. Painted surfaces were observed to be in fair to good condition.

Activities (such as renovation or demolition) with the potential to disturb lead-based paint are subject to a variety of requirements, including US Occupational Safety and Health Administration regulation 29 CFR 1926.62 (Lead Exposure in Construction).

## **2.6 Utilities**

Consolidated Edison (Con Ed) provided electricity and natural gas to this area of the Manhattan. The Property was reportedly connected to the municipal water and sewer systems. A large sump with an unconfirmed discharge point was noted in the eastern portion basement of the building at 143 West 108<sup>th</sup> Street.

## **2.7 Waste Management and Chemical Handling**

No chemical storage was noted at 103-107 West 108<sup>th</sup> Street.

Chemical storage of propane and concrete was noted at 143 West 108<sup>th</sup> Street.

Chemical storage at 145-149 West 108<sup>th</sup> Street included plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps associated with janitorial and small site repair uses, and were stored in containers in the basement. No evidence of releases

associated with this storage was observed. Medical waste generated from the small on-site clinic was containerized and disposed of by a private hauler. Waste at 147-149 West 108<sup>th</sup> Street was bagged and stored in the rear of the building. Trash disposal and recycling services were provided by NYC Department of Sanitation.

Chemical storage at 151 West 108<sup>th</sup> Street included bags of concrete, five gallon containers of silicone coating and paint, and propane tanks stored on the roof. A 55-gallon drum of unknown material was noted in the basement. The drum had some oily residue at the top, but no evidence of releases to the ground was observed.

Waste (refuse) at the garages was disposed of by private haulers. No generation of waste other than commercial waste was reported.

## 2.8 Radon

Radon is a colorless, odorless gas most commonly produced by the natural radioactive decay of certain rocks. According to a New York State Department of Health database the average level of radon found in basements in Manhattan is 2.12 picocuries/liter, below the USEPA recommended action level of 4.0 picocuries/liter.

## 3.0 ASBESTOS-CONTAINING MATERIALS (ACM)

Asbestos refers to a group of natural minerals that provide good fire resistance and insulation. Asbestos is also commonly found in vinyl flooring, plaster, sheetrock, joint compound, ceiling tiles, roofing materials, gaskets, mastics, caulks and other products. Materials containing more than one percent asbestos are considered asbestos-containing materials (ACM). ACM are classified as either friable (i.e., more readily release fibers, such as most spray-applied fireproofing) or non-friable (such as floor tiles).

Suspect ACM observed during the reconnaissance included: thermal pipe insulation; electrical panel partitions; plaster; wallboard; and roofing materials, which were noted to be in varied condition. ACM may also be present in other locations not readily accessible during the reconnaissance. Additionally, buried structures (e.g., utility conduits) and/or historical fill material could include ACM. This reconnaissance did not constitute and cannot substitute for an asbestos survey which includes comprehensive inspection and material sampling with laboratory testing.

Regulatory requirements for ACM (or suspect ACM until proven not to be ACM) include maintenance requirements and, prior to any renovation or demolition, inspection/sampling by a NYC-certified asbestos investigator to determine if the project will disturb ACM. Any such ACM (and any other ACM subsequently identified) must be removed prior to the renovation or demolition. Any suspect ACM encountered during excavation should be sampled and disposed of in accordance with applicable requirements.

## 4.0 ADJACENT LAND USE

The Property was bordered by: West 108<sup>th</sup> Street followed by Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue, to the east; mixed-use retail and residential, followed by Amsterdam Avenue to the west; and residential buildings followed by West 109<sup>th</sup> Street to the north. A public park is located between the 103 West 108<sup>th</sup> Street and 143 West 108<sup>th</sup> Street portions of the Property. The greater

surrounding area was predominantly commercial and residential, with numerous new commercial and/or residential buildings under construction.

## 5.0 PROPERTY HISTORY AND RECORDS REVIEW

### 5.1 Prior Ownership and Usage

#### 5.1.1 Historical Land Use Maps

Historical maps were reviewed for indications of uses (or other evidence) suggesting hazardous materials generation, usage or disposal on or near the Property. Specifically, Sanborn Fire Insurance Maps from 1902, 1912, 1951, 1976, 1979, 1980, 1982, 1983, 1985, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, and 2005 were reviewed.

##### 1902

The portion of the Property at 103-107 West 108<sup>th</sup> Street was occupied by a structure shaded in gray. The portion of the Property at 143-159 West 108<sup>th</sup> Street was occupied by nine five-story row houses.

The parcels between the project site lots (i.e., the current park) were occupied by two wagon yards, two five-story dwellings, a structure labeled paints and storage, and an unlabeled structure. The remainder of the Property block was occupied by row houses. Across West 108<sup>th</sup> Street was the Lion Lager Beer Brewery, a large factory which occupied the majority of the block to the south. One block north was the National Academy of Design. Two blocks south was the Home for the Aged of the Little Sisters of the Poor at 129-149 West 106<sup>th</sup> Street, Laundry at 160-162 West 107<sup>th</sup> Street, a smoking pavilion and a two story structure with a tank at 110 West 107<sup>th</sup> Street. The surrounding area was developed primarily with dwellings.

##### 1912

The portion of the Property at 103-107 West 108<sup>th</sup> Street was labeled a garage that extended west to include 109-111 West 108<sup>th</sup> Street. The portion of the Property at 143-159 West 108<sup>th</sup> Street appeared similar to the 1902 map.

The parcel at 127 West 108<sup>th</sup> Street contained two dwellings, with an auto house for the Lion Brewery and a 550-gallon gasoline tank. A Chinese Laundry was shown on the site block at 984 Columbus Avenue and 991 Amsterdam Avenue. The north-adjacent block contained the State Women's Hospital, a restaurant in addition to the National Academy of Design. In addition to the Lion Brewery, the south-adjacent block contained the NY Edison Company Substation including a store house, an auto and wagon builder, and other office uses. An auto repair shop, machine shop, and garage were shown at 102-110 West 107<sup>th</sup> Street. The Cathedral of St John the Divine was shown two blocks north of the Property.

##### 1951

The portion of the Property at 103-107 West 108<sup>th</sup> Street contained a three-story garage with two gas tanks and capacity for 120 cars. The building was noted to be constructed in 1922. 143 West 108<sup>th</sup> Street contained a Cadillac Motor Car Service Station noted to be constructed in 1925 with three 550-gallon buried gasoline

tanks. 145-149 West 108<sup>th</sup> Street contained three five-story dwelling row houses. 151-159 West 108<sup>th</sup> Street contained a garage with capacity for 320 and four 550-gallon gasoline tanks. The building was constructed in 1925.

The lots between the site buildings at 109-135 West 108<sup>th</sup> Street contained an open and vacant structure, open space labeled wagon yard, and a gas tank. On the site block along Amsterdam Avenue was an undertaker, carpenter, and paints in addition to a Chinese Laundry. Along Columbus Avenue on the site block were a bakery, a Chinese Laundry, and a structure labeled paints. The remainder of the site block appeared residential. The south-adjacent block contained Public School 54, Booker T Washington Junior High School, and a playground in the place of the former Lion Brewery. The Consolidated Edison Substation was still shown. Auto repair with one 550-gallon buried tank was shown at 163 West 107<sup>th</sup> Street. The remainder of the surrounding area was commercial, residential, and storage, and largely similar to the 1951 map.

#### 1976

The portion of the Property at 103-107 West 108<sup>th</sup> Street was labeled West Side Rehabilitation Center. The buildings on the 143-159 West 108<sup>th</sup> Street portions of the Property appeared similar to the 1951 map.

The area at 109-135 West 108<sup>th</sup> Street was shown as a playground with a small comfort station in the middle. The structure labeled Paints on Columbus Avenue is no longer shown, and the remainder of the site block appears similar to the 1951 map. The former ConEd substation on the south-adjacent block was shown as vacant. A venetian blinds manufacturer was shown at 167-169 West 107<sup>th</sup> Street. The Home for the Little Sisters of the Poor was no longer shown two blocks south, and that lot was vacant. Cathedral Parkway housing was shown on the north-adjacent block in place of the former Women's Hospital. A ConEd substation was shown on the north-adjacent block in place of the former NY Academy of Design.

#### 1979

The portion of the Property at 103-107 West 108<sup>th</sup> Street was labeled auto repair. The lots at 143-159 West 108<sup>th</sup> Street appeared similar to the 1976 map.

The auto repair at 163 West 107<sup>th</sup> Street on the 1951 and 1976 maps was now shown as a church. No further significant changes were noted from the 1976 map.

#### 1980

The building at 145 West 108<sup>th</sup> Street was no longer shown. The remaining portions of the Property appeared similar to the 1979 map.

No significant changes were noted in the surrounding area.

#### 1982-1986

The Property appeared similar to the 1980 map.

Housing for the Elderly was developed at 129-149 West 106<sup>th</sup> Street, two blocks south of the Property at the former housing for the Little Sisters of the Poor. No further significant changes were noted in the surrounding area

1988

The building at 147-149 West 108<sup>th</sup> Street was labeled as a shelter, with a small addition in the building on the lot at 145 West 108<sup>th</sup> Street. The remaining portions of the Property appeared similar to the 1986 map.

No significant changes were noted in the surrounding area.

1989-2005

No significant changes were noted.

To summarize, the historical Sanborn maps indicated that the Property was occupied prior to 1902 by dwellings at 143-159 West 108<sup>th</sup> Street, and a paints and storage building at 103-107 West 108<sup>th</sup> Street. The historical buildings were demolished at various times between 1902 and 1920, with the exception of the building at 145 West 108<sup>th</sup> Street, which was demolished around 1980. Buildings consistent with the current structures on the project site were shown on the 1951 map.

The maps showed buried gasoline tanks at the existing garages. Tanks were identified at three of the four Property lots: two gas tanks at 103-107 West 108<sup>th</sup> Street in 1951, three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005, and four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005.

The surrounding area was mixed-use throughout its history, with mostly commercial and residential uses, some auto-related uses and factories in the mid-20<sup>th</sup> century, and some educational uses in the middle and late 20<sup>th</sup> century. Land uses in the surrounding area with the potential to affect subsurface conditions beneath the Property included factories, paints and storage facility, auto repair, and garages and filling stations with gasoline USTs, including the historic gasoline tank noted in the current playground between the Property lots.

### 5.1.2 Historical Aerial Photographs

Historical aerial photographs were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Specifically, aerial photographs from 1924, 1940, 1943, 1951, 1954, 1961, 1966, 1974, 1976, 1984, 1991, 1995, 2006, 2008, 2009, 2010, and 2011 were reviewed. Copies of the aerial photographs are included in *Appendix B*. Details of these photographs are discussed below:

1924

The project site appeared to be developed with structures. The entire Property block and surrounding blocks were shown as densely developed. A small park or open space with trees was shown on the south-adjacent block. Central Park was shown two blocks east of the project site. Morningside Park was shown two blocks north-northeast of the project site. The Cathedral of St John the Divine and associated buildings and landscaping were shown two blocks north of the project site. An elevated track was shown running on the east-adjacent street. The West Side Highway followed by the Hudson River were shown approximately 0.5-mile west of the project site.

1940

The project site appeared to be similar to the 1924 photograph. Many of the buildings on the site block and the surrounding area appear similar to each other and are likely predominantly residential buildings.

1943

Due to the resolution of the photograph, details of the project site could not be clearly identified. The surrounding area appeared to be developed with more high-rise buildings than the earlier photographs, including tall buildings on the west-adjacent block.

1950

The project site block appeared to have a layout similar to the current layout. Open space was shown on the site block in the location of the current playground. The south-adjacent block was developed with a large building, likely the current JHS 54 and associated playground. The elevated track is no longer shown on the east-adjacent street (Columbus Avenue), and now appears open to regular traffic.

1954

The project site appeared to be similar to the 1950 photograph. The playground on the site block appeared to have some small structures. The greater surrounding area appeared similar to the 1950 photograph.

1961-1966

The project site appeared to be similar to the 1954 photograph. New development of high rise buildings was shown five blocks south of the project site, likely the existing public housing projects. The greater surrounding area appeared similar to the 1954 photograph.

1974

The project site appeared similar to the 1966 photograph. The area south of the project site was not shown. Columbia University was shown approximately 0.5-mile north-northwest of the project site. The greater surrounding area appeared similar to the 1966 photograph.

1976

Due to the resolution of the photograph, features could not be clearly identified.

1984

The project site appeared similar to the 1974 photograph. A large building was shown two blocks south of the project site. The greater surrounding area appeared similar to the 1974 photograph.

1991-2011

The project site and surrounding area appeared similar to the 1984 photograph.

To summarize, the project site parcel was developed prior to 1924 with structures that resemble the current site layout. The area surrounding the study site historically consisted of residential properties, larger buildings, Columbia University to the north, Central Park to the east, the Hudson River to the west, and Morningside Park to the north-northeast. A school and playground were noted on the south-adjacent block.

### 5.1.3 Historical USGS Topographic Maps

USGS Topographic Maps from 1897, 1947, 1956, 1966, 1979, and 1995 were reviewed. The USGS maps are included in Appendix D.

#### 1897: Harlem Quadrangle 1:625000

The project site appeared to be developed with unspecified buildings. The project site appeared at an elevation of approximately 90 to 105 feet, sloping slightly to the east, and with the surrounding area generally level. This area of Manhattan was densely developed, with buildings shown in the surrounding area, with the exception of Central Park two blocks east, the Hudson River approximately 0.5-mile west, and less dense development in the vicinity of Morningside Park, three blocks north of the project site.

#### 1947: Central Park Quadrangle 1:25000

The project site and surrounding area were shaded black indicating unspecified urban development. St. John the Divine Cathedral was shown two blocks north of the project site. Subway tracks were shown in the vicinity of the project site running north/south along Central Park West and Broadway. Columbia University was shown approximately 0.5-mile north-northwest of the project site. The entire surrounding area, with the exception of Central Park, was densely developed.

#### 1956: Central Park Quadrangle 1:25000

The project site and the surrounding area were shaded pink, indicating unspecified urban development. The playground, likely the one on the current site block was shown. Junior High School 54 was shown on the south-adjacent block. A women's hospital was shown on the north-adjacent block. Several churches and schools were shown on the adjacent and surrounding blocks.

#### 1966, 1979, and 1995: Central Park Quadrangle 1:25000

No significant changes were noted from the 1956 map.

### 5.1.4 Property Tax Files and Zoning Records

Based on information provided by the City of New York, the lots are all zoned as R8-B (residential district). Lots 5, 13, and 26 were classified by the DOB as G-1 (Garage/Gas Station), Lot 10 was classified as N2 (Asylums and Homes). The buildings were listed as constructed between 1910 and 1930.

### 5.1.5 Local Street Directories

A City Directory summary prepared by Environmental Data Resource, Inc. was reviewed as part of this Phase I ESA. The City Directory summary consisted of the names of businesses located on-site and in adjacent properties, compiled from city and reverse telephone directories at approximately five-year intervals starting in 1928. There were no listings provided for 103-107 West 108<sup>th</sup> Street, 143 West 108<sup>th</sup> Street, or 145 West 108<sup>th</sup> Street.

#### 147 West 108<sup>th</sup> Street

- Residential tenants in 1927, 1931, 1950, 1956, 1958, 1963, 1968, 1973, and 1978.

149 West 108<sup>th</sup> Street

- Residential tenants in 1920, 1927, 1931, 1942, 1950, 1956, 1958, 1963, 1968, 1973, 1978, and 1983.
- Valley Lodge in 1993, 1998, 2000, 2006, and 2008.
- West Side Federation for Senior Housing in 2000, 2006, and 2013.

151 West 108<sup>th</sup> Street

- Tailor in 1920.
- Residential tenants in 1920.
- Gerdes First National Bank in 1920.
- Meat Center in 1920.
- Park York Garage Corporation in 1938, 1942, 1947, 1950, 1956, 1958, 1963, 1968, 1973, 1978, 1983, 1988, 1993, and 1998.
- Yorkshire Garage in 1927, 1950, 1978, 1983, 1988, 1993, 1998, 2000, 2006, and 2013.
- Russo's Auto Repair in 1956, 1958, 1963, 1958, and 1973.
- Zephyr Contracting in 2000, 2006, and 2008.

153 West 108<sup>th</sup> Street

- Residential tenants in 1920 and no listings thereafter.

155 West 108<sup>th</sup> Street

- Residential tenants in 1920 and 1923.

157 West 108<sup>th</sup> Street

- Residential tenants in 1920.
- Midtown Purchasing Co in 1983.

159 West 108<sup>th</sup> Street

- Residential tenants in 1920 and no listings thereafter.

Copies of the directories provided by EDR are included in Appendix E.

## 5.2 Regulatory Review

The regulatory database listings, shown in Appendix F, were obtained from Environmental Data Resources (EDR), of Milford, Connecticut. It includes summaries of the databases searched, their radii around the Property, and limitations of the data. The databases searched and associated radii were consistent with ASTM E1527-13.

### 5.2.1 Federal

Databases searched included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory

System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the Air Discharge Facilities Index (ADF); and the USEPA Civil Enforcement Docket. Facilities subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) are discussed with State RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

The Property was not listed in the NPL database, and one NPL site, the Hudson River PCB cleanup, was identified within a one-mile radius of the Property. Based on the distance (0.45-mile away) and anticipated groundwater flow direction and the contamination, this listing is not anticipated to have affected the Property.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

One listing, the Hudson River PCBs, 0.45-mile west of the Property, was identified within a ½-mile radius of the Property. Based on distance, anticipated groundwater flow direction, and/or listing details, these facilities are not anticipated to have affected the Property.

Comprehensive Environmental Response, Compensation, and Liability Information System-No Further Remedial Action Planned (CERCLIS-NFRAP)

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" have been removed from CERCLIS. NFRAP sites may be sites where, following an investigation, no contamination was discovered, contamination was removed quickly without the need for the project site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

The project site was not listed in the CERCLIS-NFRAP database, and no CERCLIS NFRAP sites were identified within a half-mile radius of the project site.

Corrective Actions Report (CORRACTS)

The CORRACTS database identifies hazardous waste handlers with RCRA corrective action activity.

The project site was not listed in the CORRACTS database and no CORRACTS sites were identified within a one-mile radius of the project site.

Resource Conservation and Recovery Information System (RCRIS)

The Resource Conservation and Recovery Information System includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste defined by the Resource Conservation and Recovery Act (RCRA).

Twenty-six RCRA hazardous waste generators and transporters were listed within ¼-mile of the project site. The following significant RCRA listings were noted based on proximity to the site and current regulatory status:

- Eight Large Quantity Generators (LQGs) were identified, including seven Con Edison service boxes and manholes listed for lead wastes.
- Rite Aid, located approximately 0.2-mile northwest of the properties at 2833 Broadway, was listed as a LQG of corrosive and ignitable wastes, heavy metals, and organic compounds.
- Three Small Quantity Generators (SQGs) were listed, including the Cathedral of St John the Divine, located approximately 750 feet north of the project site, for lead generation; Public School 145 located approximately 830 feet south-southwest of the project site, for lead; and Verizon located approximately 550 feet east-southeast of the properties for halogenated solvents.
- Several ConEdison service boxes and manholes were listed as Conditionally Exempt Small Quantity Generator (CESQGs), and as historic SQGs and LQGs of ignitable waste, PCBs, and spent halogenated solvents.
- PS 165 located approximately 470 feet northwest of the Property was listed as a CESQG of ignitable, corrosive, and reactive wastes.

Due to their regulatory status, distance from the project site, and assumed groundwater flow direction, the facilities identified are not expected to impact groundwater beneath the project site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The project site was not listed in the ERNS database.

Toxic Chemical Release Inventory System (TRIS)

This federal database, compiled by the EPA, identifies facilities that release chemicals to the air, water, and land in reportable quantities.

The project site was not listed in the TRIS database.

Superfund Consent Decrees (CONSENT)

Superfund consent decrees are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. These decrees are periodically released by the United States District Courts after settlement by parties to litigation matters.

The project site was not listed in the CONSENT database, and one CONSENT site, the Hudson River PCBs, was identified within a one-mile radius of the project site. As discussed above, this listing is not anticipated to affect the subsurface of the Property.

Records of Decision (ROD)

Record of Decision documents mandate permanent remedies at NPL sites, and contain technical and health information to aid in the cleanup.

The project site was not listed in the ROD database, and one ROD site, Hudson River PCBs, was identified within a one-mile radius of the project site. As discussed above, this listing is not anticipated to affect the subsurface of the Property.

Delisted NPL (National Priority List Deletions)

This database described former NPL sites that are removed from the NPL list by the US EPA. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establish the criteria used by the EPA to delist sites where no further federal response is needed.

The project site was not listed in the delisted NPL database, and no delisted NPL sites were identified within a one-mile radius of the project site.

## 5.2.2 State

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes tanks that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

One hundred thirty-eight spills were reported within a ½-mile radius of the project site, including six active status spills. No spills were listed for the project site.

Twenty-nine closed-status spills were reported within a 0.1-mile radius of the project site for small quantities of recovered material identified in manholes, vaults, and service boxes on the surrounding intersections. Recovered materials include petroleum, dielectric fluid, and lead, and due to regulatory status are not anticipated to have affected the subsurface conditions at the project site.

The SPILLS listings occurred in a presumed downgradient groundwater flow direction with respect to the project site, or were of an insignificant nature and, as such, would not be expected to have significantly affected subsurface of the project site. Details from all spills are included in Appendix F.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities are listed within a ¼-mile radius of the Project Site.

Solid Waste Facilities/Landfill Sites (SWF/LF)

This database includes certain landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste.

No Solid Waste Facilities/Landfill Sites were identified within a half-mile radius of the project site.

Petroleum Bulk Storage (PBS) Database

This database lists facilities that registered having either aboveground or underground petroleum tanks with total storage exceeding 1,100 gallons. Facilities with more than 400,000 gallons appear on the Major Oil Storage Facilities (MOSF) database (see below).

Two hundred thirty-nine PBS facilities were identified within a 1/8-mile radius of the Property. No tanks were registered at the project site. Details of the nearest PBS facilities with the potential to affect the project site are included in Table 1 below:

**Table 1**  
**Area Petroleum Bulk Storage Facility Data**

Location	Capacity (gallons)	Product Stored	Status	Distance/Direction from Study Site
170 West 109 <sup>th</sup> Street	1 x 3000 AST	#2 Fuel Oil	Closed-In Place	North-adjacent
174 West 109 <sup>th</sup> Street	1 x 1200 AST	#2 Fuel Oil	Open-In Use	North-adjacent
981 Amsterdam Avenue	1 x 3000 AST	Gasoline	Open-In Use	West-adjacent
200 West 108 <sup>th</sup> Street Housing Corp	1 x 7500 AST	#6 Fuel Oil	Closed-Removed	160 feet/west
200 West 108 <sup>th</sup> Street	1 x 4000 AST	#2 Fuel Oil	Open-In Use	
201 West 108 <sup>th</sup> Street Corp	1 x 4000 AST	#2 Fuel Oil	Open-In Use	175 feet/west
201 West 108 <sup>th</sup> Street				
Ascension School 224 West 108 <sup>th</sup> Street	1 x 5,000 UST	#2 Fuel Oil	Open-In Use	370 feet/west-northwest
221 West 107 <sup>th</sup> Street Corp	1 x 2000 UST	Leaded Gasoline	Closed-Converted	400 feet/west
221 West 107 <sup>th</sup> Street	1 x 2000 AST	#2 Fuel Oil	Open-In Use	

**Notes:** AST - aboveground storage tank  
UST - underground storage tank

State Hazardous Waste Disposal Site Registry (SHWS)

This program (also known as State Superfund) lists information regarding a variety of sites likely requiring cleanup.

No State Hazardous Waste Disposal Sites were identified within a one-mile radius of the project site.

Major Oil Storage Facilities (MOSF) Database

These facilities have petroleum storage of 400,000 gallons or more.

No Major Oil Storage Facilities were reported within a 1/8-mile radius of the project site.

Environmental Restoration Program (ERP)

These sites (which are generally municipally-owned) are receiving New York State funding for site investigation and remediation. Some sites in this program have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

No ERP sites were identified within a 1/2-mile radius of the project site.

Voluntary Cleanup Program

The Voluntary Cleanup Program is a NYSDEC program for investigation and remediation of (generally) privately-owned sites. Some sites in this program have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

No Voluntary Cleanup Program sites were identified within a 1/2-mile radius of the project site.

Brownfield Cleanup Program (BCP)

This NYSDEC program is the successor to the Voluntary Cleanup Program. Some sites have known contamination, whereas others have not had sufficient investigation to determine whether contamination is present.

One BCP site was identified within a 1/2-mile radius of the project site. The former 110<sup>th</sup> Street Service Station is located at 2040 Frederick Douglass Boulevard approximately 0.25-mile east of the Property. Groundwater flow at this site was reported to be to the east-southeast, and is not anticipated to impact the project site.

**5.2.3 Local Agency File Review**

Records available online from the New York City Fire, Buildings and Finance Departments were viewed for the Property. Since the records typically address a multitude of issues, the review focused on items likely to relate to the potential presence of hazardous materials, e.g., petroleum tank installation applications and permits, and records indicating prior uses. Copies of pertinent information are included in Appendix H.

Buildings Department

Computerized New York City Department of Buildings records for the Property tax lots identified the following:

103 West 108<sup>th</sup> Street

- A demolition permit dated 1922.
- A 1923 Certificate of Occupancy (C of O) for a three-floor public garage with boiler room.

- Numerous DOB violations, related to the elevator, including two active violations.

143 West 108<sup>th</sup> Street

- Numerous DOB violations, related to the construction, including two active violations.

145 West 108<sup>th</sup> Street

- An oil burner application dated 1958.
- A demolition permit dated 1979.
- 1983 and 1991 C's of O for a 5-story office building with basement. The C of O included records for an elevator, kitchen, boiler room, and gas and water meter.
- A new building permit dated 1997.

151 West 108<sup>th</sup> Street

- Numerous DOB violations, related to the elevator, including three active violations.

There were no online DOB listings for 105-107 West 108<sup>th</sup> Street or for 147-149 West 108<sup>th</sup> Street. Files pertaining to the demolition and new building permits were unavailable for review.

Land Title Records and Tax Records

Electronic property transaction records for the Property Block and Lot were reviewed from the New York City Department of Finance Office of the City Register Automated City Register Information System (ACRIS). Deed information obtained from the ACRIS files is summarized as follows:

103-107 West 108<sup>th</sup> Street

No records were identified for this Property.

137 West 108<sup>th</sup> Street

Year	Grantor/Grantee
1966	Grantor is: The Welton Brothers; Grantee is: 137 West 108 <sup>th</sup> Street Corporation

Additionally, a court order from 1866 granting the Property in the Cathedral Parkway Urban Renewal Area.

145-147 West 108<sup>th</sup> Street

Year	Grantor/Grantee
1986	Grantor is: The City of New York; Grantee is: Valley Lodge Housing

151 West 108<sup>th</sup> Street

Year	Grantor/Grantee
1982	Grantor is: Park Yorkshire Garage Co; Grantee is: Park Yorkshire Garage Corp

The title information search did not indicate evidence of RECs in connection with the Property. A review of computerized ACRIS records, and an EDR Lien Search identified no environmental liens or environmental records for the Property.

Department of City Planning

A search of NYC Environmental Quality Review Requirements (CEQR) data indicated that the Property lots were not assigned (E) designations.

A negative declaration for CEQR action number 06HPD024M for 107, 143 and 151 West 108<sup>th</sup> Street (Block 1863, Lots 5, 13, and 26) was recorded on July 14, 2006 by the City of New York. The ULURP actions included the disposition of city-owned property, designation of the sites as an Urban Development Action Area Plan (ADAAP) Project, and an amendment to the Cathedral Parkway Urban Renewal Plan. The declaration included a statement of no significant effect on the environment, and no RECs are associated with this action.

Additional Environmental Record Sources

To enhance the search, ASTM requires that additional local records be reviewed (i.e., beyond those included as part of the standard database search or checked online) when, in judgment of the environmental professional, such records for the Property or any adjoining property would be reasonably ascertainable; and useful, accurate and complete in light of the objective of the records review. These records may include:

- Local Brownfields Lists
- Local Lists of Landfill/solid waste disposal sites
- Local Lists of Hazardous Waste/Contaminated Sites
- Local Lists of Registered Tanks
- Local Land Records (for activity use limitations)
- Records of emergency release reports
- Records of contaminated public wells

Sources for these records include:

- Department of Health/Environmental Division
- Fire Department
- Building Permit/Inspection Department
- Local/Regional Pollution Control Agency
- Local/Regional Water Quality Agency
- Local Electric Utility (for PCB records)

In AKRF's judgment, no such additional local records meeting the ASTM criteria are pertinent for the Property.

Freedom of Information Law (FOIL) requests for information relevant to environmental conditions on the Property were submitted to the NYC Department of Environmental Protection (NYCDEP), NYC Department of Health and Mental Hygiene (NYCDOH), New York State Department of Health (NYSDOH), and NYSDEC. In letters dated May 28, 2015 and June 4, 2015, respectively, the NYCDEP and NYSDEC indicated that no records for the Property addresses were identified. To date, no other responses have been

provided to AKRF. In the event that pertinent information is provided following the completion of this report, an addendum to the report will be prepared to discuss the findings.

## 6.0 USER-PROVIDED INFORMATION

In preparing this Phase I ESA, AKRF requested that the Property owners and operators provide any pertinent information regarding the Property, specifically:

- Whether any *environmental liens* or *activity and land use limitations (AULs)* are in place or filed or recorded against the Property?
- Whether they had any specialized knowledge or experience related to the Property or nearby properties (e.g., specialized knowledge of any chemicals used on-site)?
- Whether the (anticipated) purchase price reflects that the Property is or could be contaminated?
- Whether they were aware of commonly known or reasonably ascertainable information about environmental conditions of the Property?
- Whether they were aware of any obvious indicators of contamination at the Property?
- Whether they were aware of any pending, threatened, ongoing or past litigation/enforcement action/consent order/notice of violation related to hazardous substances or petroleum products?

According to Ms. Ariel Krasnow, of WSFSSH, the Phase I was performed to evaluate the Property as part of due diligence related to its potential redevelopment with a new apartment buildings. Neither Ms. Krasnow nor any of the site operators were aware of any: environmental liens or activity use limitations on the Property; property value reduction due to environmental issues; any pending, threatened, ongoing or past litigation/enforcement action/consent order/notice of violation related to hazardous substances or petroleum products; or any obvious indicators of contamination on the Property. To the extent that pertinent additional information was provided, it has been summarized elsewhere in this report.

## 7.0 PREVIOUS STUDIES

Brownfields Opportunity Area Pre-Nomination Material for 103 and 143 West 108<sup>th</sup> Street was provided to AKRF for review. The material did not include any additional information for the purposes of this report, and is included in Appendix G.

No additional studies or reports were provided for the completion of this report.

## 8.0 LIMITATIONS AND DATA GAPS

This assessment met the requirements of the American Society for Testing and Materials (ASTM) as established by ASTM Standard E1527-13 at the time it was performed, with the following limitations:

- Results of this investigation are valid as of the dates on which the investigation was performed.
- Some vehicles were parked at the on-site parking lot, which limited the ability to inspect the pavement for staining, presence of wells or catch basins, or other features.

- The parking bays on the eastern portion of the Property were locked and inaccessible.
- Building areas viewed during the reconnaissance included typical offices, a meeting room on the second floor, the garage in the western portion of the building, and mechanical spaces.
- Interviews and user provided information were limited to those discussed in Section 6.0. To the extent that interviews were not conducted with the list of interviewees cited in the ASTM Standard (past and present owners, operators, and occupants of the Property and local government officials), AKRF does not believe that this represents a significant data gap likely to result in additional or significantly changed recognized environmental conditions or conclusions.
- The Property area history was not conducted in five-year intervals. However, sufficient information about the history of the site and surrounding area could be obtained from the available historical Sanborn maps, New York City Buildings Department records, and interviews, and this data gap is not likely to alter the conclusions of this report.
- Agency File Reviews for the Property and adjacent properties consisted of a review of standard databases and electronic records maintained by pertinent departments and agencies (summarized in Section 5.2), and FOIL requests for pertinent records submitted to the NYCDEP, NYCDOH, NYSDOH, and NYSDEC. AKRF believes that this file review was sufficient in determining the potential for recognized environmental conditions or other environmental concerns at the Property and additional reviews beyond this are not warranted and would not likely change the conclusions of this assessment.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase I Environmental Site Assessment was performed in conformance with ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, the Standard are described in Section 8.0. The term “Recognized Environmental Condition” or REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The Standard also includes definitions of Historic REC (HREC), Controlled REC (CREC), and *De Minimis* Condition. A *De Minimis* Condition is defined as an environmental concern that is not a threat to human health or the environment and would not be subject to enforcement action.

At the time of AKRF’s reconnaissance, the buildings at 103-107 West 108<sup>th</sup> Street, 143 West 108<sup>th</sup> Street, and 151-159 West 108<sup>th</sup> Street were utilized as a parking garages and 145-149 West 108<sup>th</sup> Street was utilized as an emergency senior citizen shelter. The properties were bordered by: West 108<sup>th</sup> Street followed by Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue, to the east; mixed-use retail and residential, followed by Amsterdam Avenue to the west; and residential buildings followed by West 109<sup>th</sup> Street to the north. The project site consists of two discontinuous parcels with a public park located between the 103-107 West 108<sup>th</sup> Street and 143 West 108<sup>th</sup> Street portions of the Property. The greater surrounding area was predominantly commercial and residential, with numerous new commercial and/or residential buildings under construction.

This assessment revealed the following:

### ***Recognized Environmental Conditions (RECs)***

- Potential underground storage tanks (USTs) and former aboveground storage tanks (ASTs) were noted as follows:
  - 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gas tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial basement of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
  - 143 West 108<sup>th</sup> Street - Historical Sanborn maps identified three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator Mr. Schoemberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
  - 145-149 West 108<sup>th</sup> Street – DOB records identified an oil burner permit dated 1958.
  - 151-159 West 108<sup>th</sup> Street - Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During reconnaissance, gauges for four tanks were observed. Operator Mr. Schoemberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.

- Historical uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac Service Station at 143 West 108<sup>th</sup> Street, based on Sanborn Maps and interviews. Based on Sanborn Maps and interviews, there is also potential for prior use as vehicle maintenance at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the basement floor or where the vehicle maintained may have been performed.
- Chemical and material storage noted during inspections including: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five gallon containers of silicone coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue at the top in the basement of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the site.
- A sump with unconfirmed discharge point was observed in the basement of 143 West 108<sup>th</sup> Street building in the southeastern portion of the site.
- The surrounding area historically included factories, ConEd Substations, auto repair, and garages with gasoline USTs.
- Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.

***Other On-site Environmental Concerns (items outside the scope of ASTM E1527-13 such as ACM, LBP and/or PCBs in building materials or fill/debris)***

- Based on the age of the existing buildings, suspect asbestos-containing materials (ACM) may be present. Suspect ACM observed included: suspected historic in-ground hydraulic lifts at 143 West 108<sup>th</sup> Street and 151-159 West 108<sup>th</sup> Street, vinyl floor tile, vinyl stair cover, and associated mastic; suspended ceiling tile; thermal pipe insulation; electrical panel partitions; plaster; wallboard; and roofing materials, which were noted to be in good condition.
- Based on the age of the buildings, window caulking, fluorescent lighting fixtures and electrical equipment in these buildings may utilize polychlorinated biphenyl (PCB)-containing components. Fluorescent lights may contain mercury. The hydraulic building elevator at 145-147 West 108<sup>th</sup> Street and current and former hydraulic lifts at 143 West 108<sup>th</sup> Street and 151-159 West 108<sup>th</sup> Street and may utilize PCB-containing oil.
- Based on the age of the buildings, suspect lead-based paint may be present. Painted surfaces were observed to be in poor to good condition.
- Potential fill materials and/or demolition debris in the Property subsurface may contain lead-based paint, ACM, and/or PCBs.

**Potential for Vapor Migration**

This Phase I ESA identified a potential for subsurface vapors, and thus a potential for vapor migration into future buildings at the Property, based on the RECs noted above.

**RECOMMENDATIONS**

- Prior to undertaking subsurface disturbance, a subsurface investigation should be performed, including the collection and laboratory analysis of subsurface samples. It is possible that this

investigation may uncover evidence of a petroleum spill or other situation reportable to NYSDEC and/or other regulatory agencies.

- Future development entailing soil (or bedrock) disturbance could encounter contaminated soil and/or bedrock. AKRF recommends that, if evidence of contaminated soil or rock (e.g., stains or odors) is encountered, these materials (and all other materials requiring off-site disposal) should be disposed of in accordance with applicable federal, state and local regulations. Any encountered spills should be reported and remediated in accordance with applicable regulatory requirements. Fill, soil and/or bedrock intended for off-site disposal should be tested in accordance with the requirements of the receiving facility. Transportation of material leaving the site for off-site disposal should be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- Past and/or present petroleum storage tanks have been identified by the Phase I ESA. If abandoned tanks are discovered, they should be properly registered, if required, with the NYSDEC and/or the New York City Fire Department, and closed and removed in accordance with all applicable regulations.
- Based upon the findings of the subsurface investigation, a determination should be made as to whether vapor mitigation measures should be developed and implemented for future buildings at the Property.
- Any containers of cleaning fluids and chemicals including paints and waste material should be properly disposed of in accordance with all federal, state and local regulations.
- Unless information or test results exist to indicate that suspect ACM do not contain asbestos, these materials should be sampled by a NYC-certified asbestos investigator prior to any renovation or demolition activities that may disturb them. Any ACM should be removed and disposed prior to the disturbance in accordance with local, state and federal requirements.
- Unless there is labeling or test data indicating that suspect PCB-containing fluorescent lighting fixtures, electrical equipment, elevators, and hydraulic lifts do not contain PCBs, and that fluorescent lighting fixtures do not contain mercury, if disposal is required, it should be performed in accordance with applicable federal, state and local requirements.
- Any activities with the potential to disturb lead-based paint must be performed in accordance with applicable requirements (including federal Occupational Safety and Health Administration regulation 29 CFR 1926.62 - *Lead Exposure in Construction*).
- If suspect ACM or PCB-containing equipment (e.g., fluorescent lighting fixtures or electrical equipment) are identified in fill or demolition debris beneath the Property, handling and disposal should be in accordance with applicable federal, state and local regulations and guidelines.

## **10.0 SIGNATURE PAGE**

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property for which the assessment was performed. We have performed all the appropriate inquiries in conformance with standards and practices set forth in 40 CFR Part 312.

---

Marc S. Godick, LEP  
Senior Vice President

---

Kathleen Brunner  
Senior Technical Director

## 11.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the Property, and to identify existing and/or potential environmental issues associated with the Property including *Recognized Environmental Conditions* as defined in ASTM Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with the above-referenced ASTM Standard, except as noted otherwise in Section 8.0. It should only be used as a guide in determining the possible presence or absence of hazardous materials on the Property at the time of the reconnaissance, as it is based upon the review of readily available records relating to both the Property and the surrounding area, as well as a visual reconnaissance of current conditions.

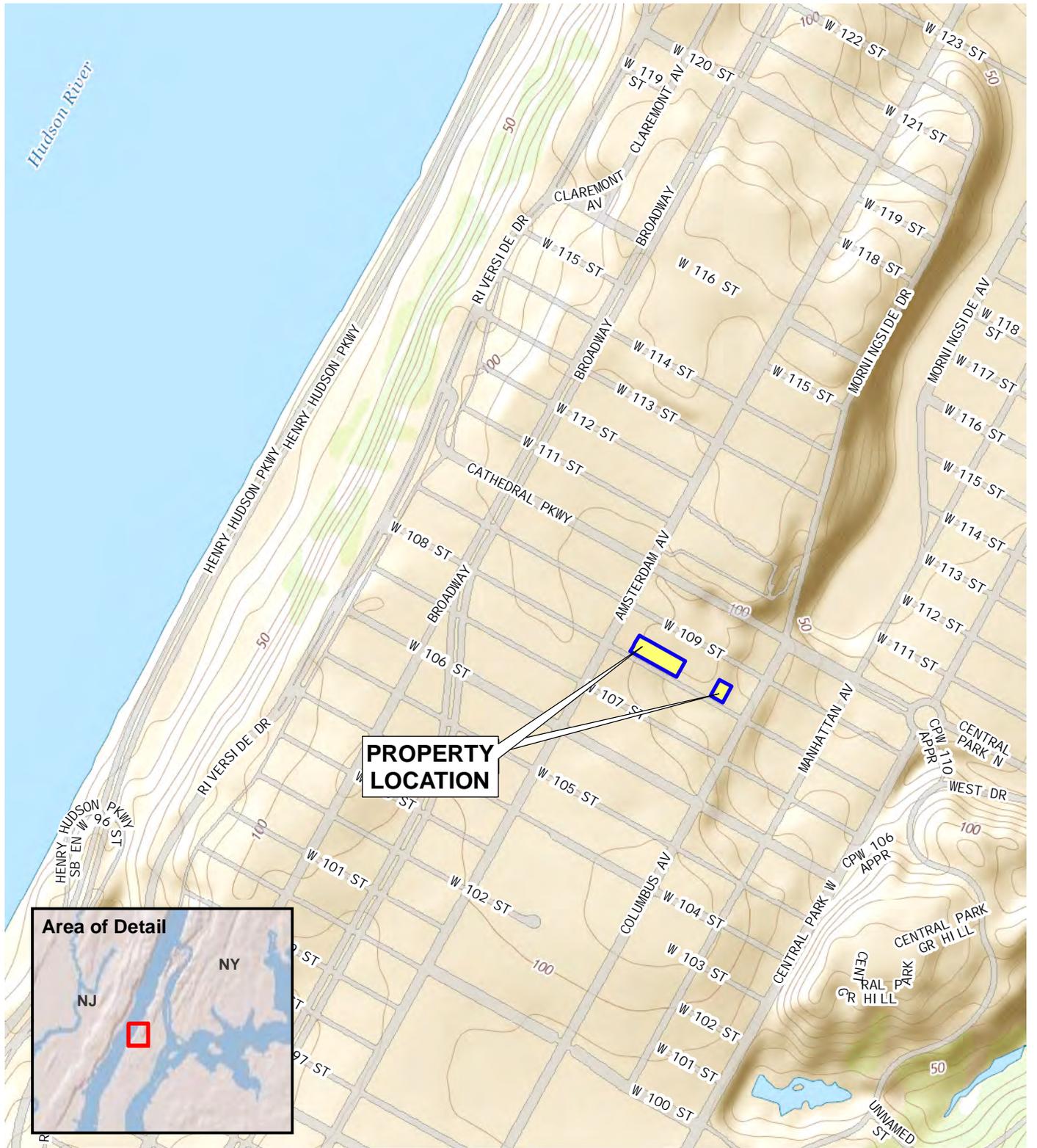
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the Property and its surroundings. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and reconnaissance have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than the NYC Office of Environmental Remediation and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or grossly negligent or willful acts or omissions.

## 12.0 REFERENCES

1. Environmental Data Resources, Inc., 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY 10025, Regulatory Radius Search, May 19, 2015.
2. U.S. Geological Survey, *Central Park, New York Quadrangle, 7.5 minute Series (Topographic)*, Scale 1:24,000, 2010.
3. New York State Department of Health: Office of Public Health - Environmental Radiation Section, Basement Radon Screening Data, 2014.
4. Sanborn Insurance Maps dated 1902, 1912, 1951, 1976, 1979, 1980, 1982, 1983, 1985, 1986, 1988, 1989, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, and 2005.
5. Historic Aerial Photographs dated 1924, 1940, 1943, 1951, 1954, 1961, 1966, 1974, 1976, 1984, 1991, 1995, 2006, 2008, 2009, 2010, and 2011.
6. Historic USGS Topographic Maps dated 1897, 1947, 1956, 1966, 1979, and 1995.
7. Environmental Data Resources, Inc., 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY 10025, City Directory Abstract, June 1, 2015.

## FIGURES



**SOURCE**  
 USGS 7.5 Minute Topographic Map  
 Central Park Quad 2011



**103-107 and 143-159 West 108<sup>th</sup> Street**  
 New York, New York

**PROPERTY LOCATION**

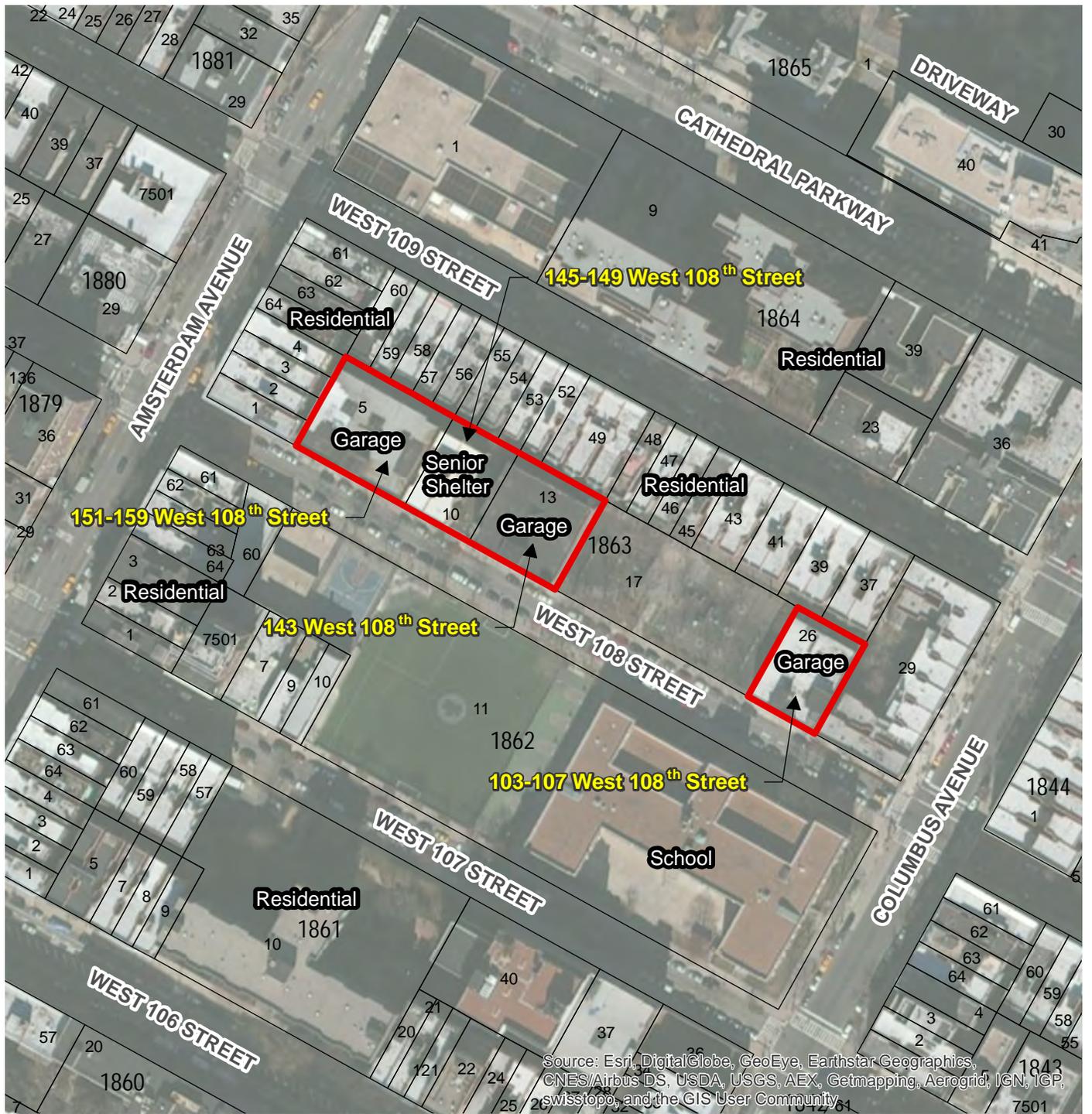


**Environmental Consultants**  
 440 Park Avenue South, New York, N.Y. 10016

DATE  
**6/8/2015**

PROJECT No.  
**22304**

FIGURE  
**1**

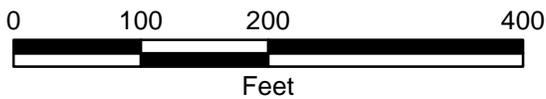


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Aerial Date: World Imagery Jun 2013

### Legend

- Property Boundary
- Lot Boundary



**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

## PROPERTY DETAIL



Environmental Consultants  
440 Park Avenue South, New York, N.Y. 10016

DATE  
**6/8/2015**

PROJECT No.  
**22304**

FIGURE  
**2**

**APPENDIX A**  
**PHOTOGRAPHIC DOCUMENTATION**



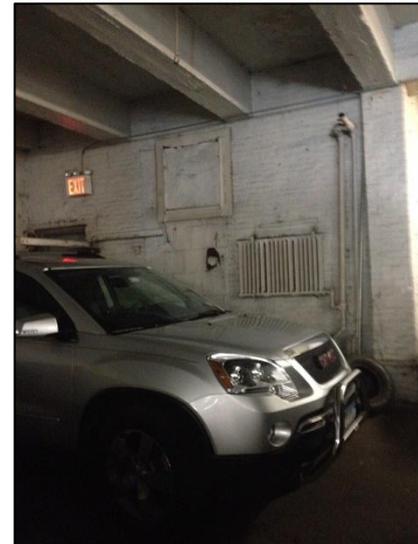
Photograph 1: 103-107 West 108<sup>th</sup> Street building façade from West 108<sup>th</sup> Street.



Photograph 2: Defunct 275-gallon AST in partial basement of 103-107 West 108<sup>th</sup> Street.



Photograph 3: Roof of 103-107 West 108<sup>th</sup> Street.



Photograph 4: Radiator on first floor of 103-107 West 108<sup>th</sup> Street.



Photograph 5: Façade of 143 West 108<sup>th</sup> Street.



Photograph 6: Above ground hydraulic lifts at 143 West 108<sup>th</sup> Street.



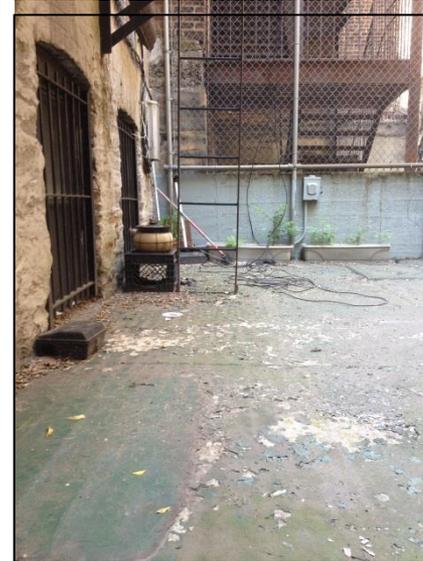
Photograph 7: Floor drain in basement of 143 West 108<sup>th</sup> Street.



Photograph 8: Decommissioned electric panels and debris at 143 West 108<sup>th</sup> Street.



Photograph 9: Façade of 145-149 West 108<sup>th</sup> Street.



Photograph 10: Back porch of 145-149 West 108<sup>th</sup> Street.



Photograph 11: Storage in basement of 145-149 West 108<sup>th</sup> Street.



Photograph 12: Representative residential hallway of 145-149 West 108<sup>th</sup> Street.



Photograph 13: Façade of 151-159 West 108<sup>th</sup> Street.



Photograph 14: Decommissioned meters for four USTs at 151-159 West 108<sup>th</sup> Street.



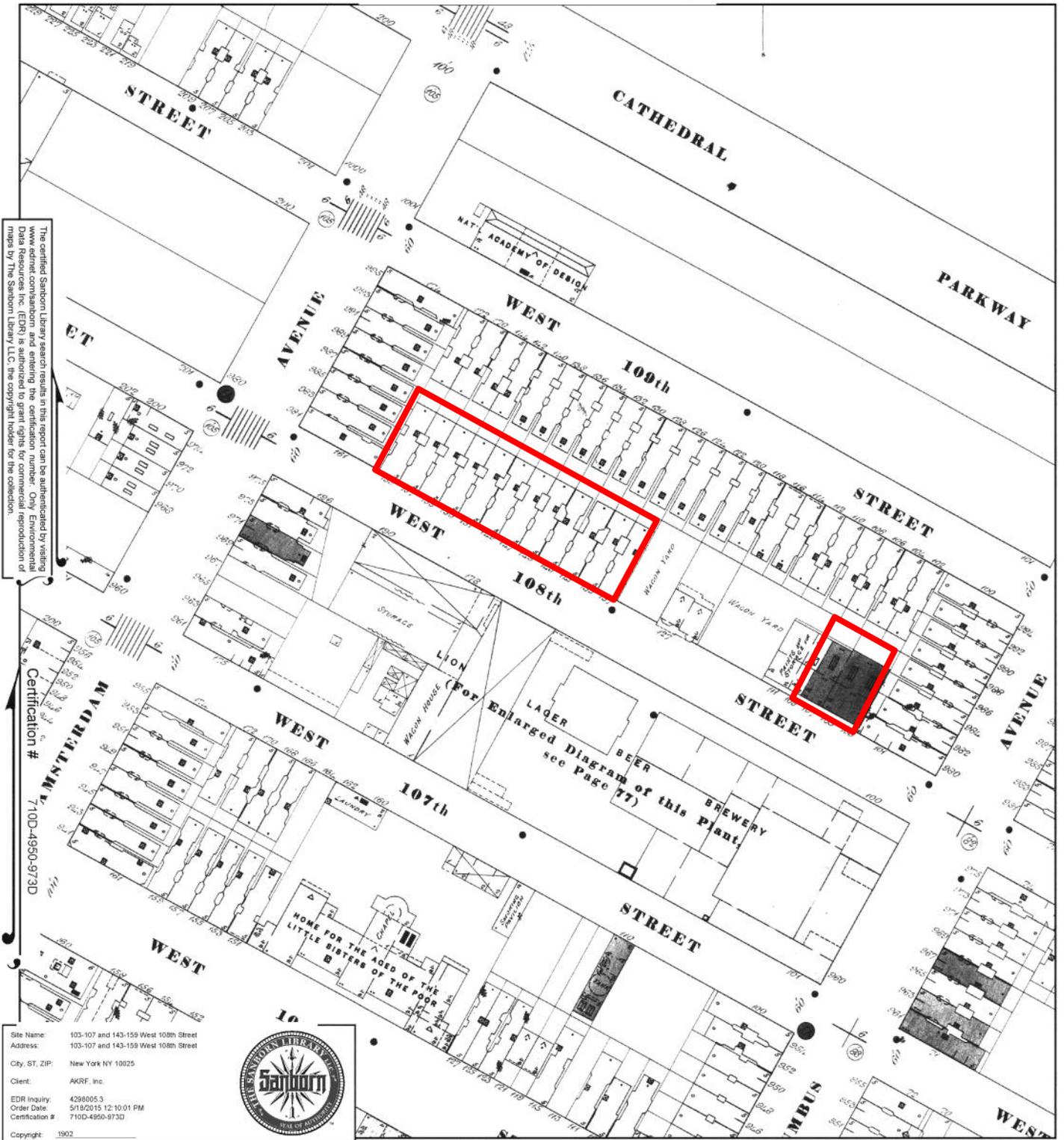
Photograph 15: Abandoned 55-gallon drum in basement of 151-159 West 108<sup>th</sup> Street.



Photograph 16: Patched concrete floor in basement of 151-159 West 108<sup>th</sup> Street.

**APPENDIX B**  
**HISTORICAL SANBORN MAPS**

# 1902 Certified Sanborn Map



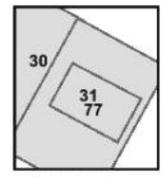
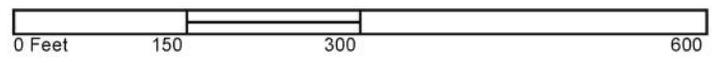
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Site Name: 103-107 and 143-159 West 108th Street  
 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 710D-4950-973D  
 Copyright: 1902



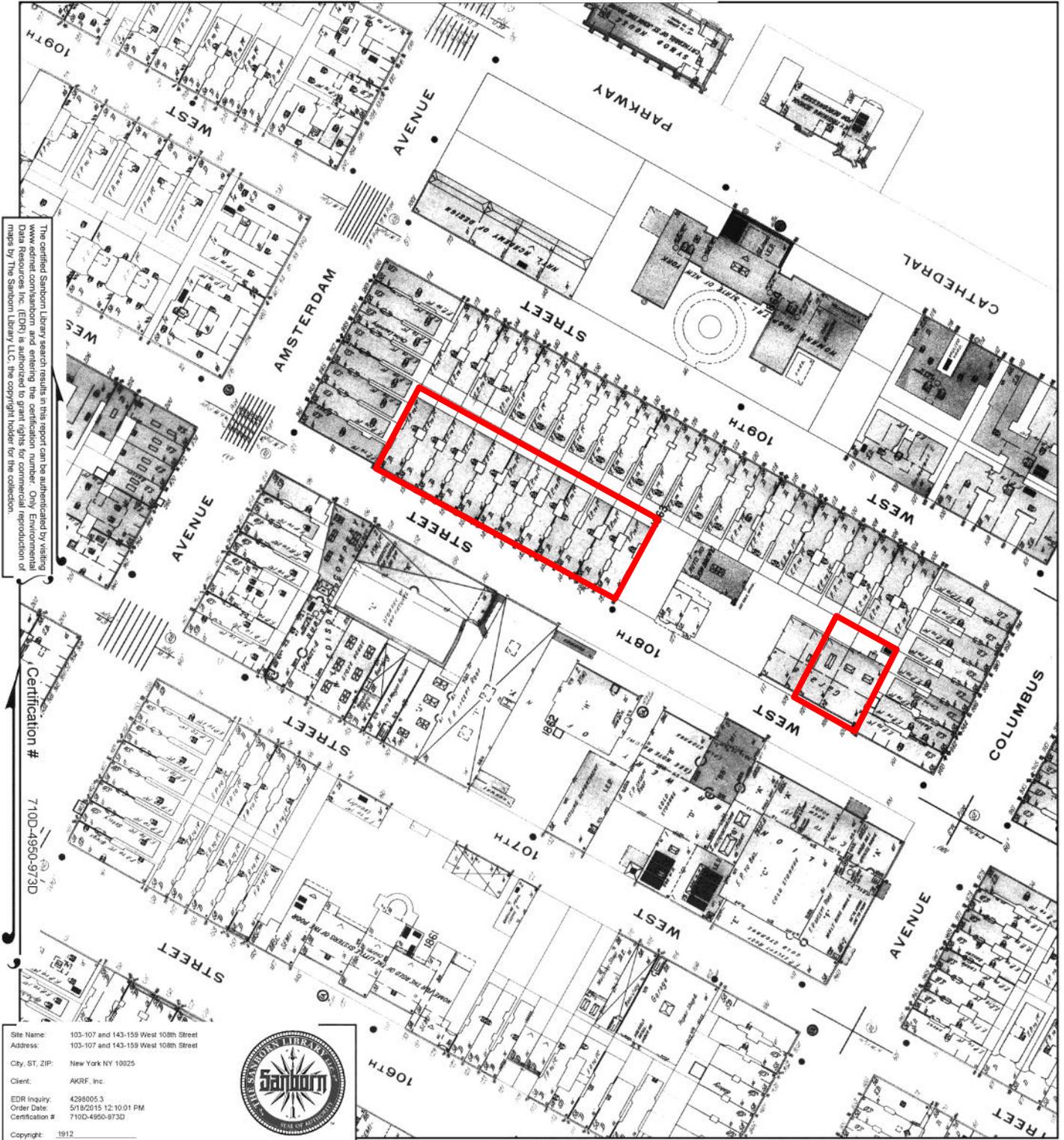
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Volume 7N, Sheet 30  
 Volume 7N, Sheet 31  
 Volume 7N, Sheet 77



# 1912 Certified Sanborn Map



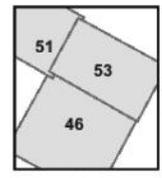
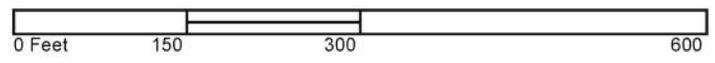
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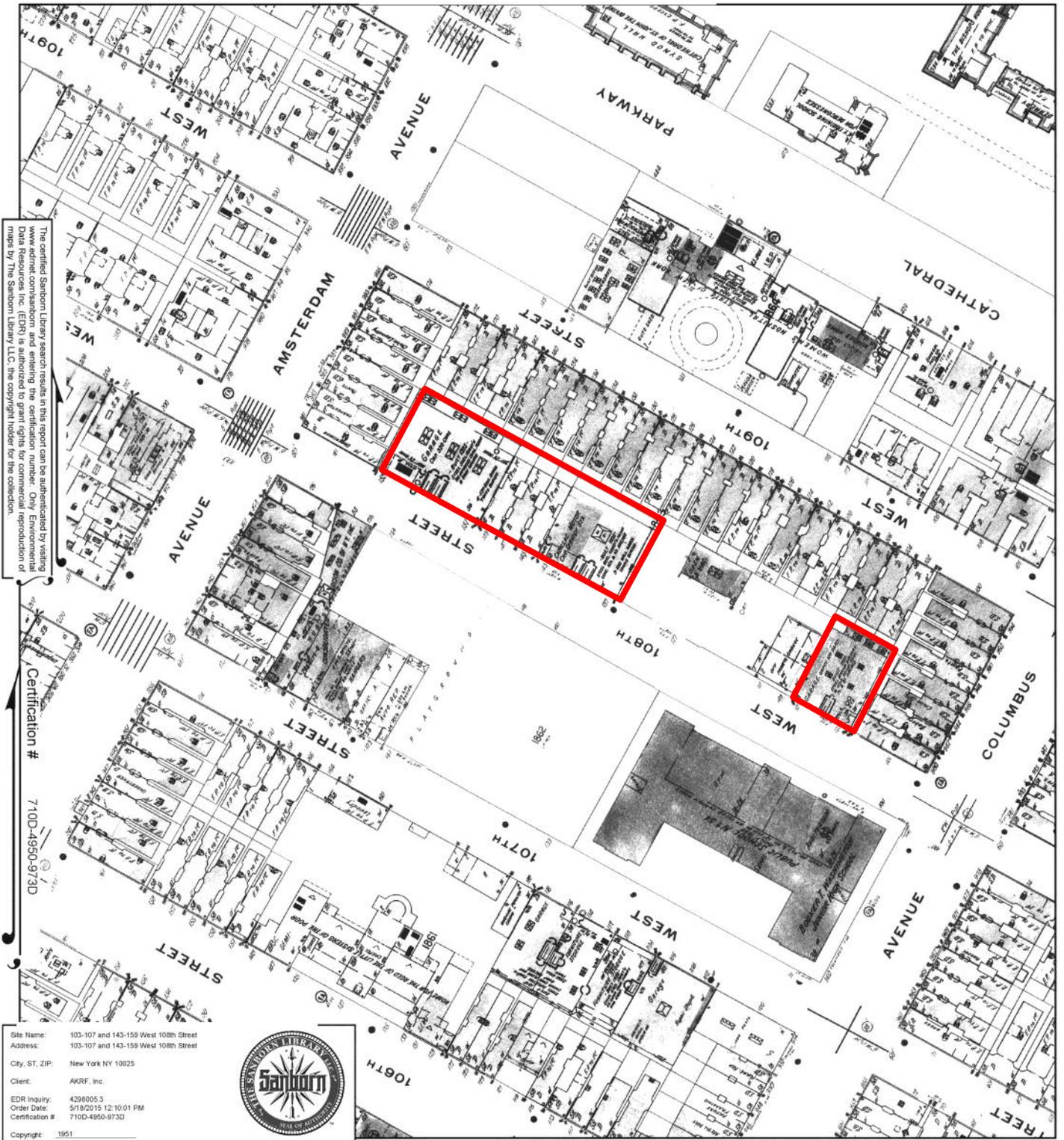
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Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53



# 1951 Certified Sanborn Map



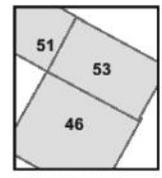
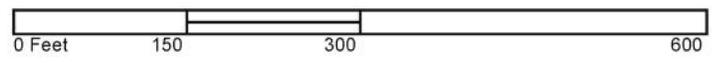
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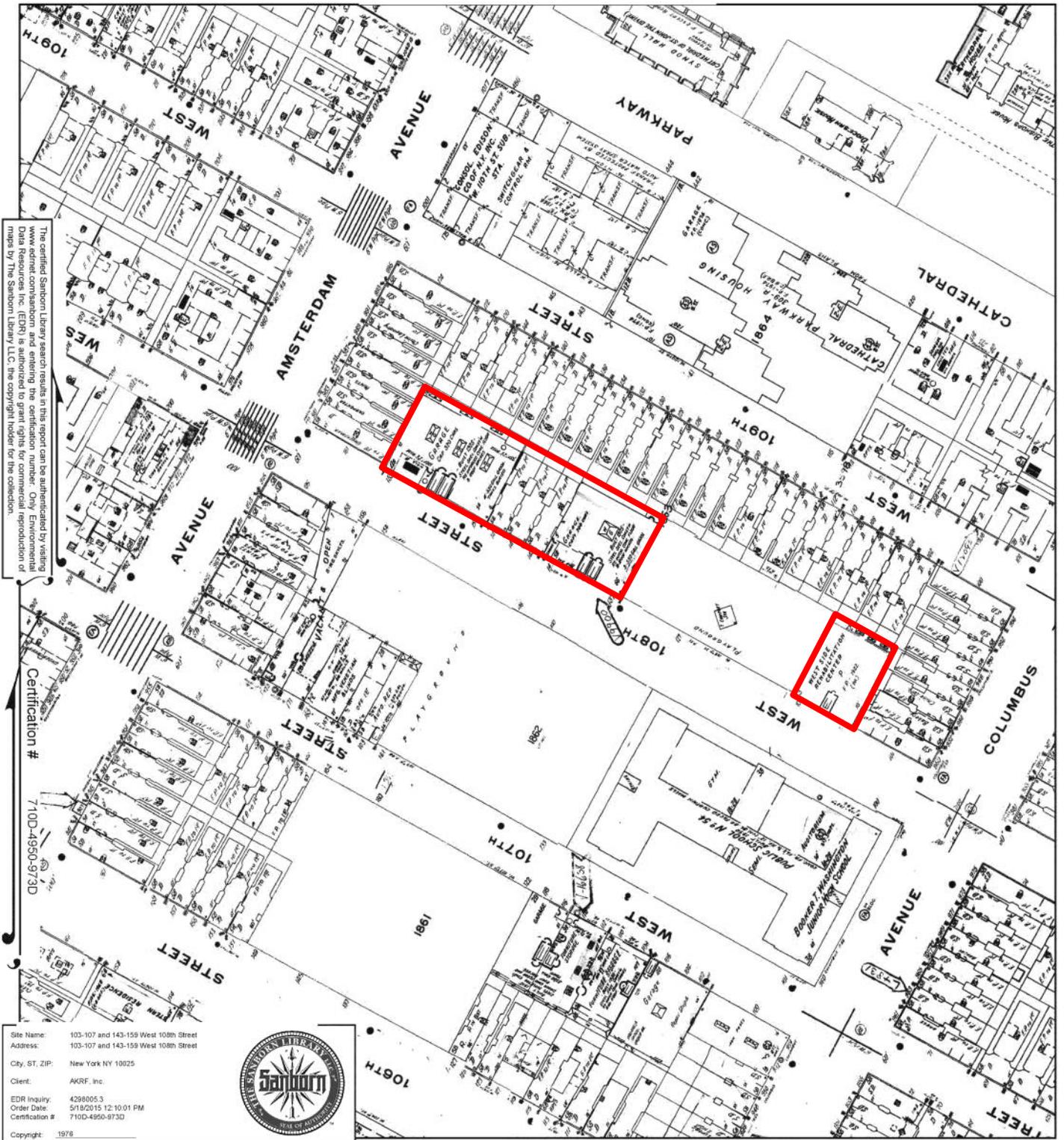
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Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53



# 1976 Certified Sanborn Map



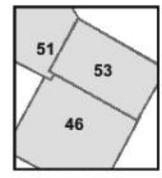
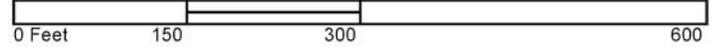
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7100-4950-973D

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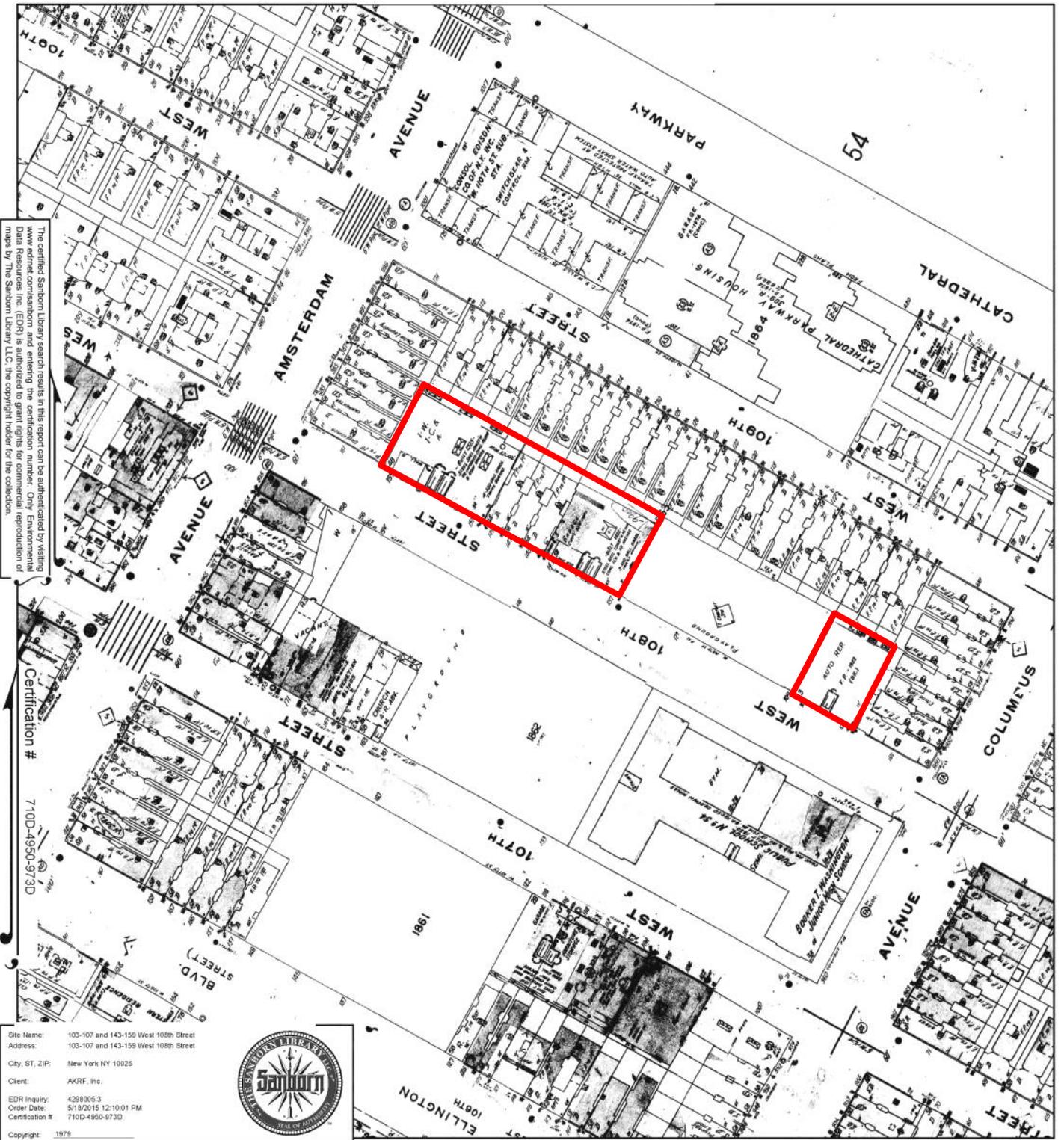
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- Volume 7S, Sheet 51
- Volume 7S, Sheet 53
- Volume 7S, Sheet 53



# 1979 Certified Sanborn Map



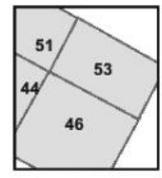
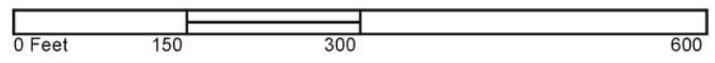
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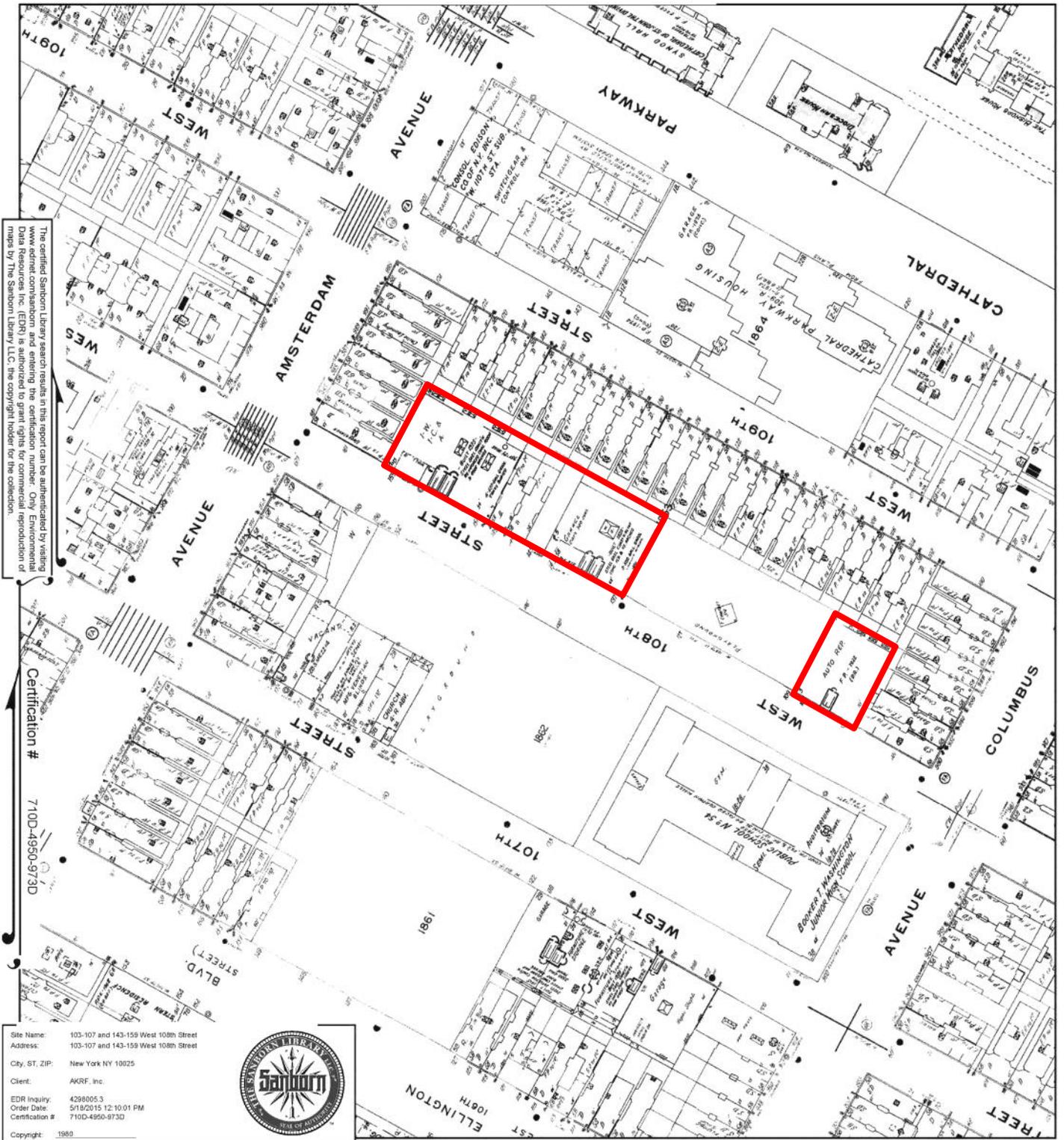
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- Volume 7S, Sheet 44
- Volume 7S, Sheet 46
- Volume 7S, Sheet 51
- Volume 7S, Sheet 53



# 1980 Certified Sanborn Map



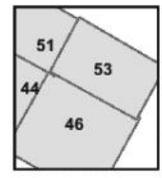
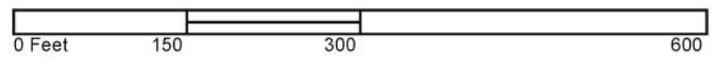
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Certification # 710D-4950-973D

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 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
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 Copyright: 1980



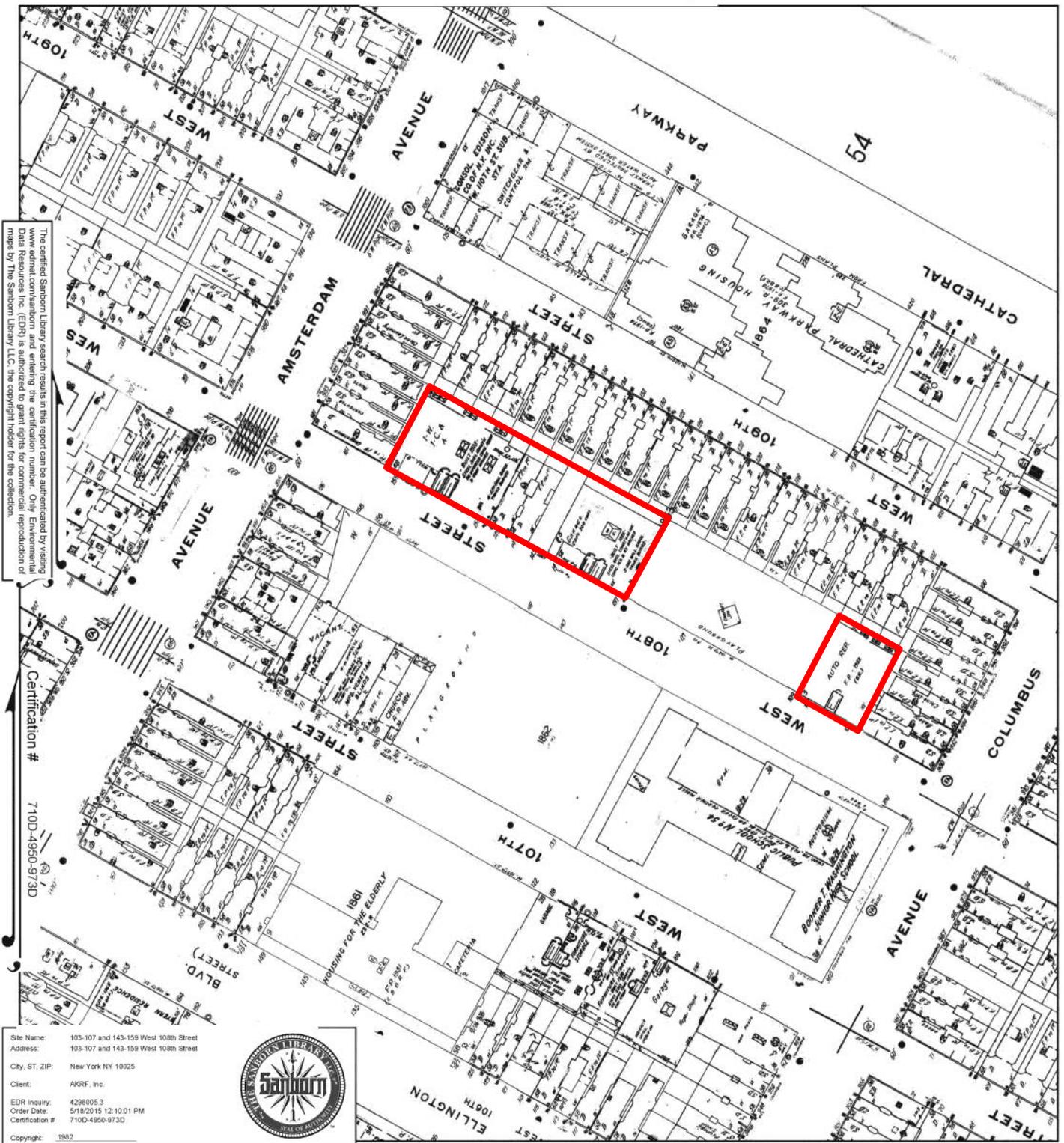
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- Volume 7S, Sheet 46
- Volume 7S, Sheet 51
- Volume 7S, Sheet 53



# 1982 Certified Sanborn Map



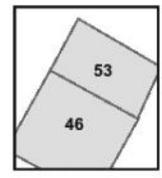
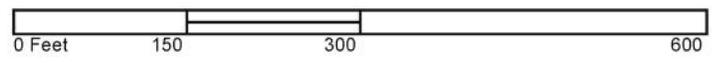
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Site Name: 103-107 and 143-159 West 108th Street  
 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
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 Certification #: 710D-4950-973D  
 Copyright: 1982



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 Volume 7S, Sheet 53



# 1983 Certified Sanborn Map

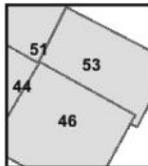
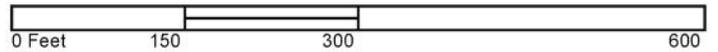
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 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification # 710D-4950-973D  
 Copyright: 1983



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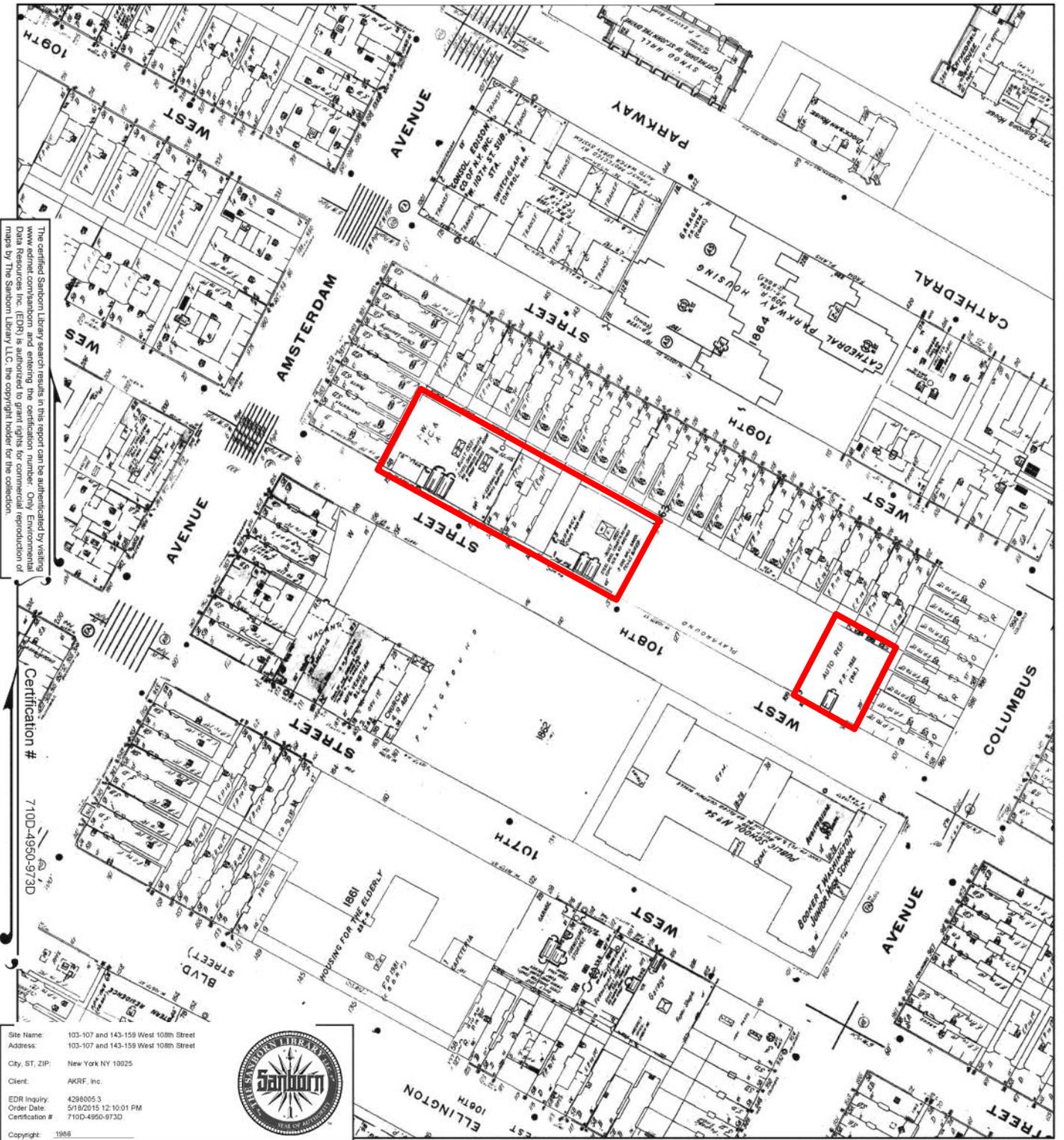


- Volume 7S, Sheet 51
- Volume 7S, Sheet 53
- Volume 7S, Sheet 44
- Volume 7S, Sheet 46





# 1986 Certified Sanborn Map



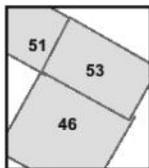
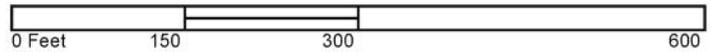
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 7100-4950-973D  
 Copyright: 1986



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53



# 1988 Certified Sanborn Map

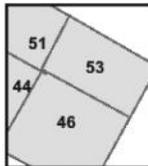
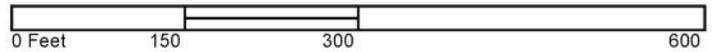
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 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 710D-4950-973D  
 Copyright: 1988



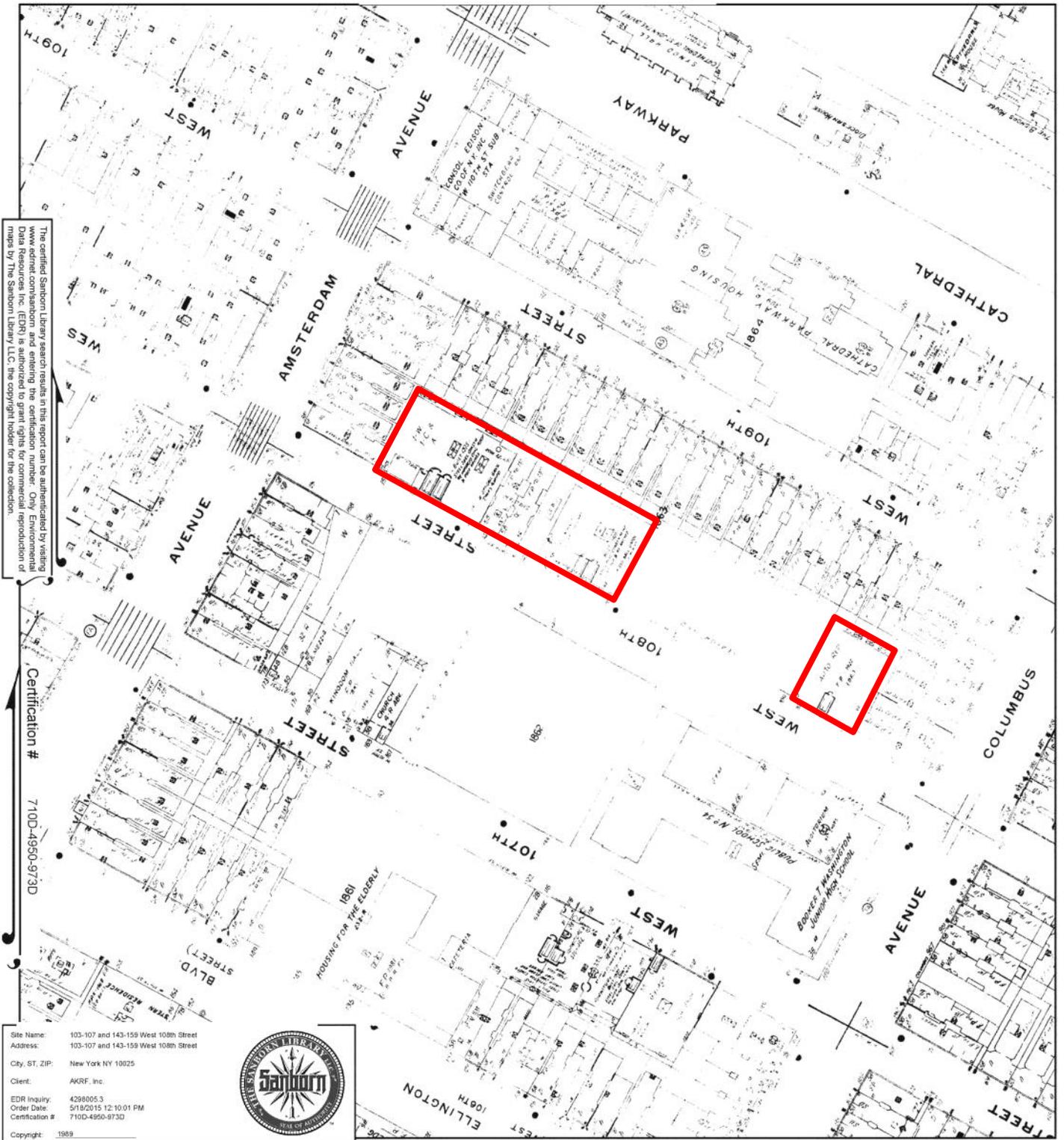
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 7S, Sheet 53
- Volume 7S, Sheet 44
- Volume 7S, Sheet 46
- Volume 7S, Sheet 51



# 1989 Certified Sanborn Map



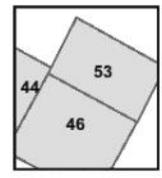
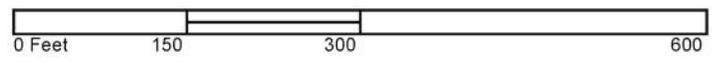
The certified Sanborn Library search results in this report can be authorized by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification # 710D-4950-973D  
 Copyright: 1989



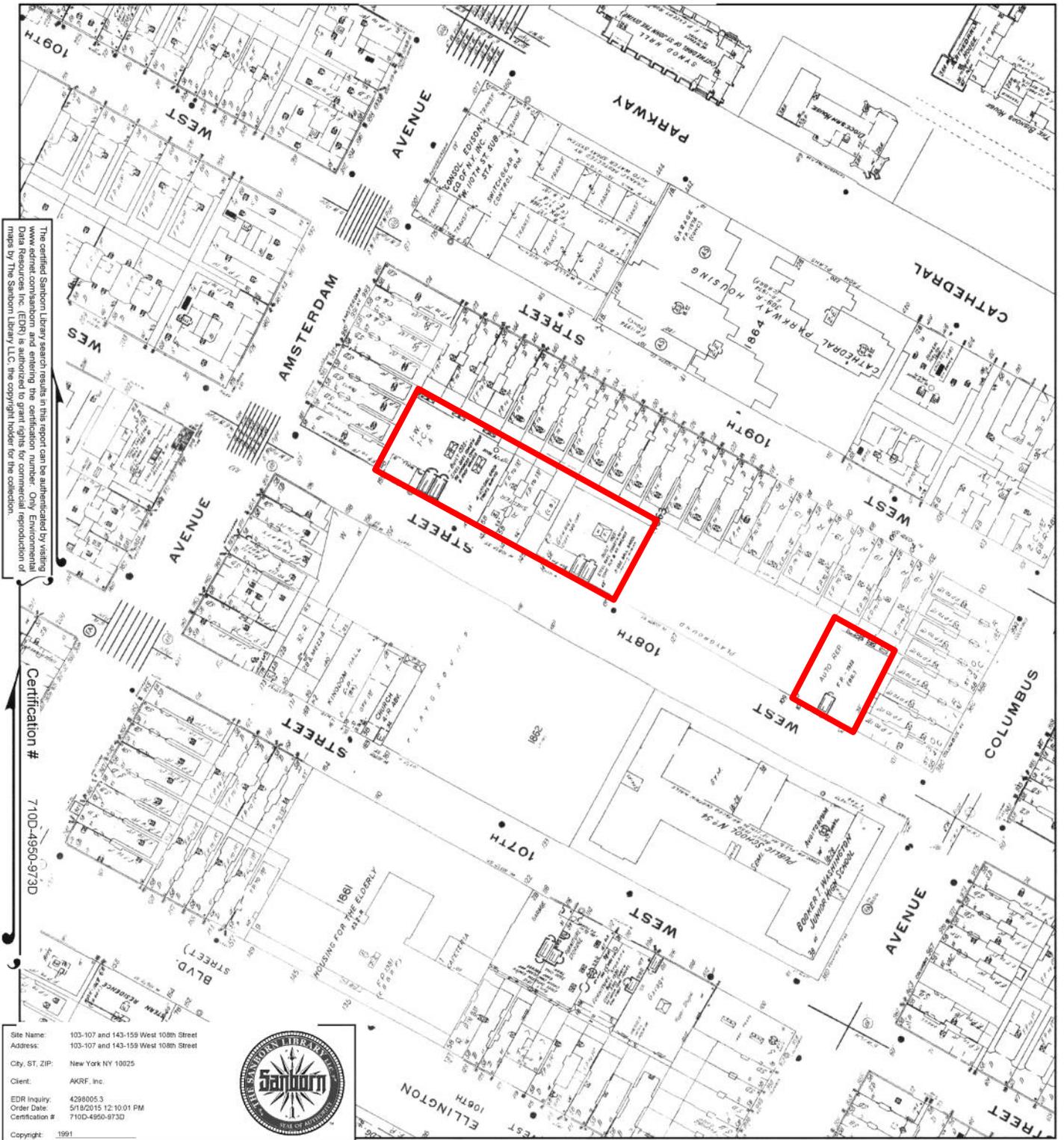
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Volume 7S, Sheet 44  
 Volume 7S, Sheet 46  
 Volume 7S, Sheet 53



# 1991 Certified Sanborn Map



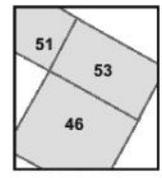
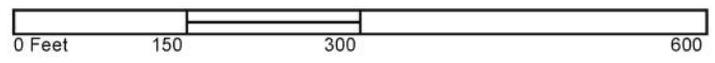
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
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 Copyright: 1991



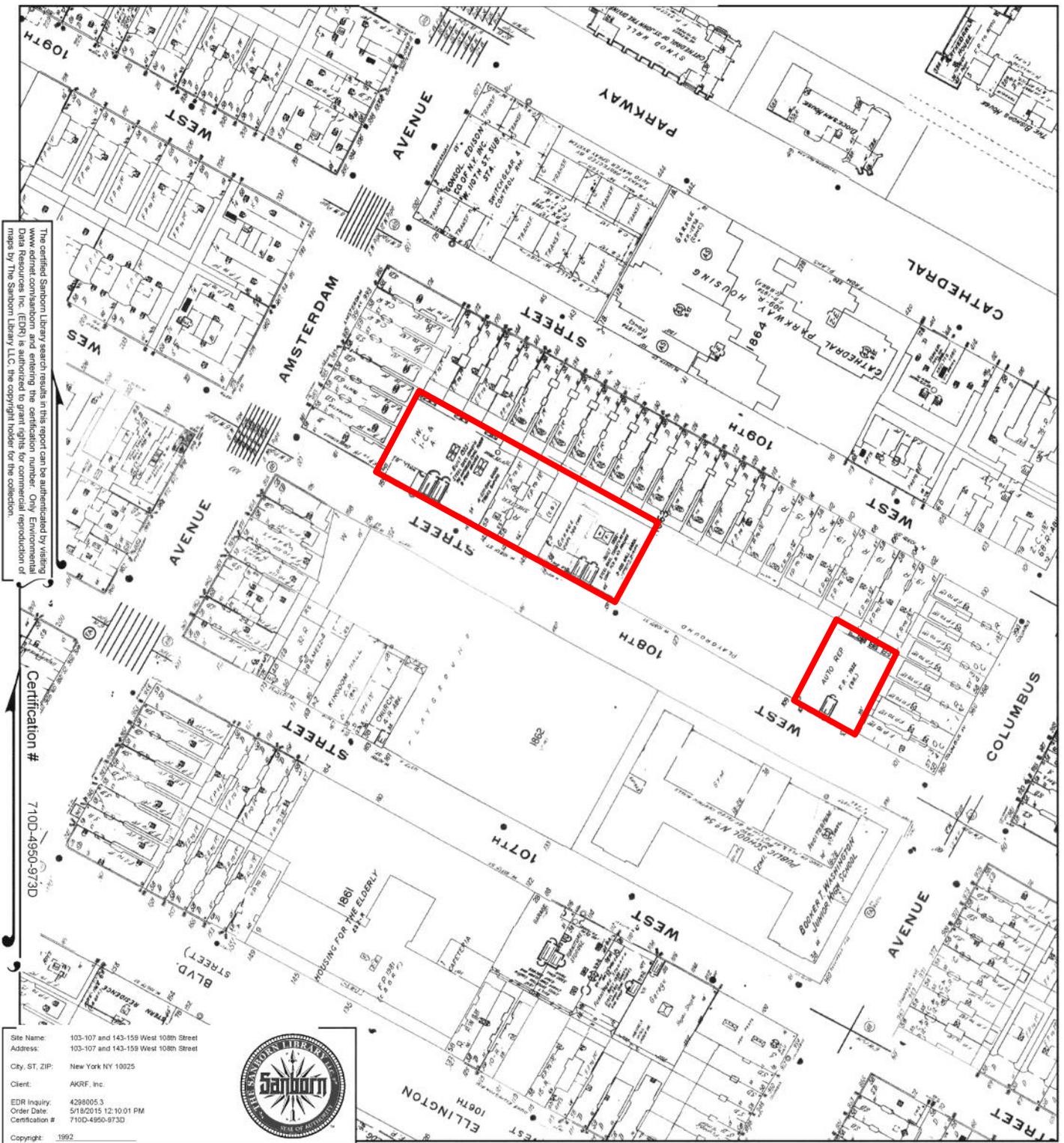
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Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53



# 1992 Certified Sanborn Map



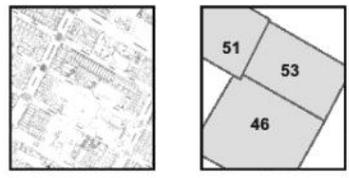
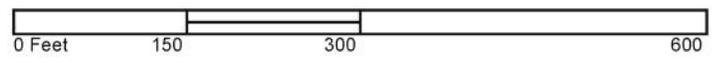
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
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 Copyright: 1992



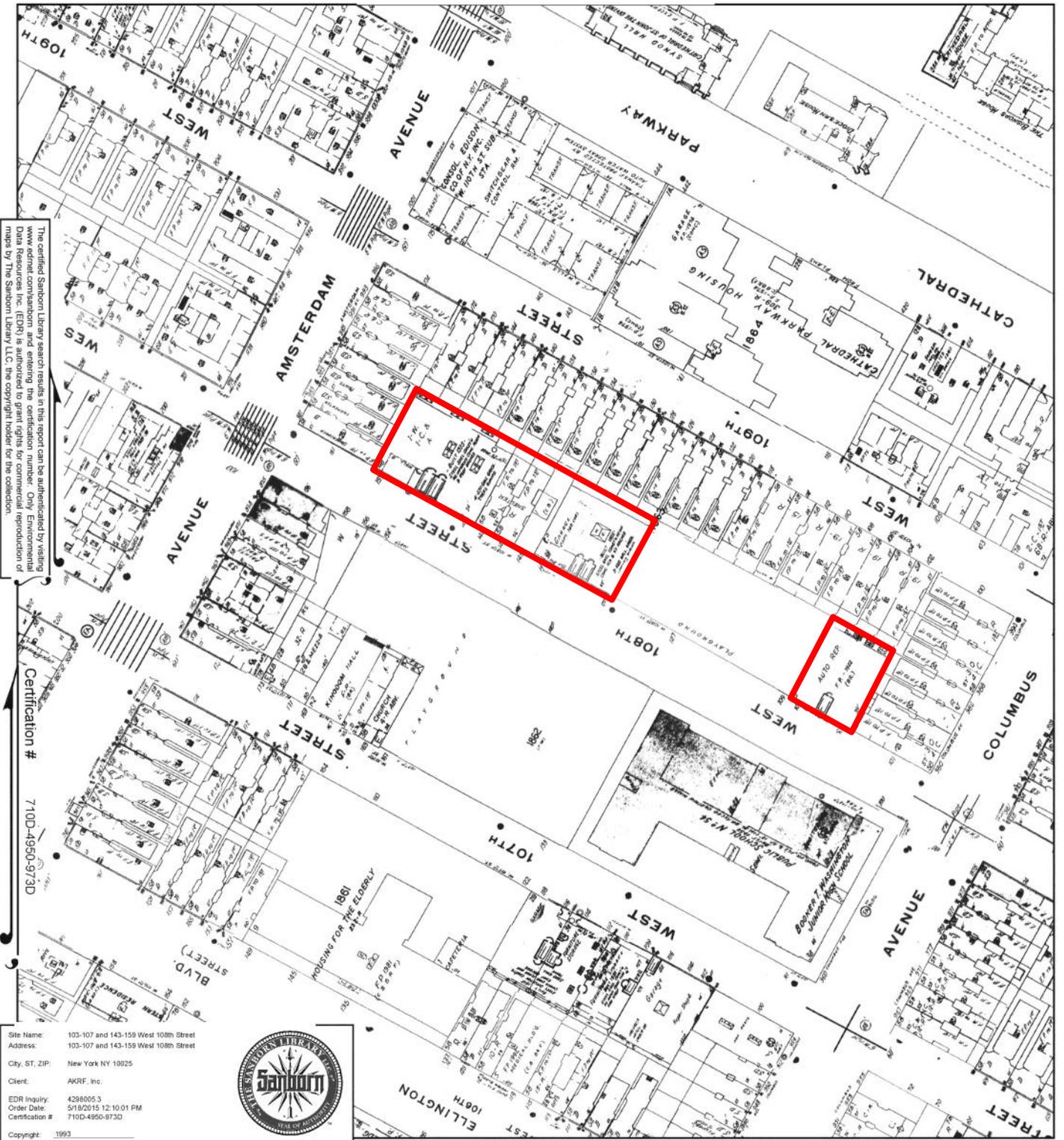
This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 7S, Sheet 46  
 Volume 7S, Sheet 53  
 Volume 7S, Sheet 51



# 1993 Certified Sanborn Map



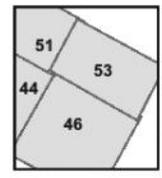
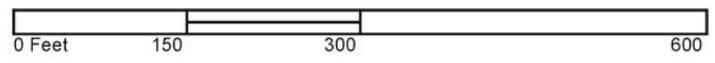
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 7100-4950-973D  
 Copyright: 1993



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 7S, Sheet 44
- Volume 7S, Sheet 51
- Volume 7S, Sheet 53
- Volume 7S, Sheet 46

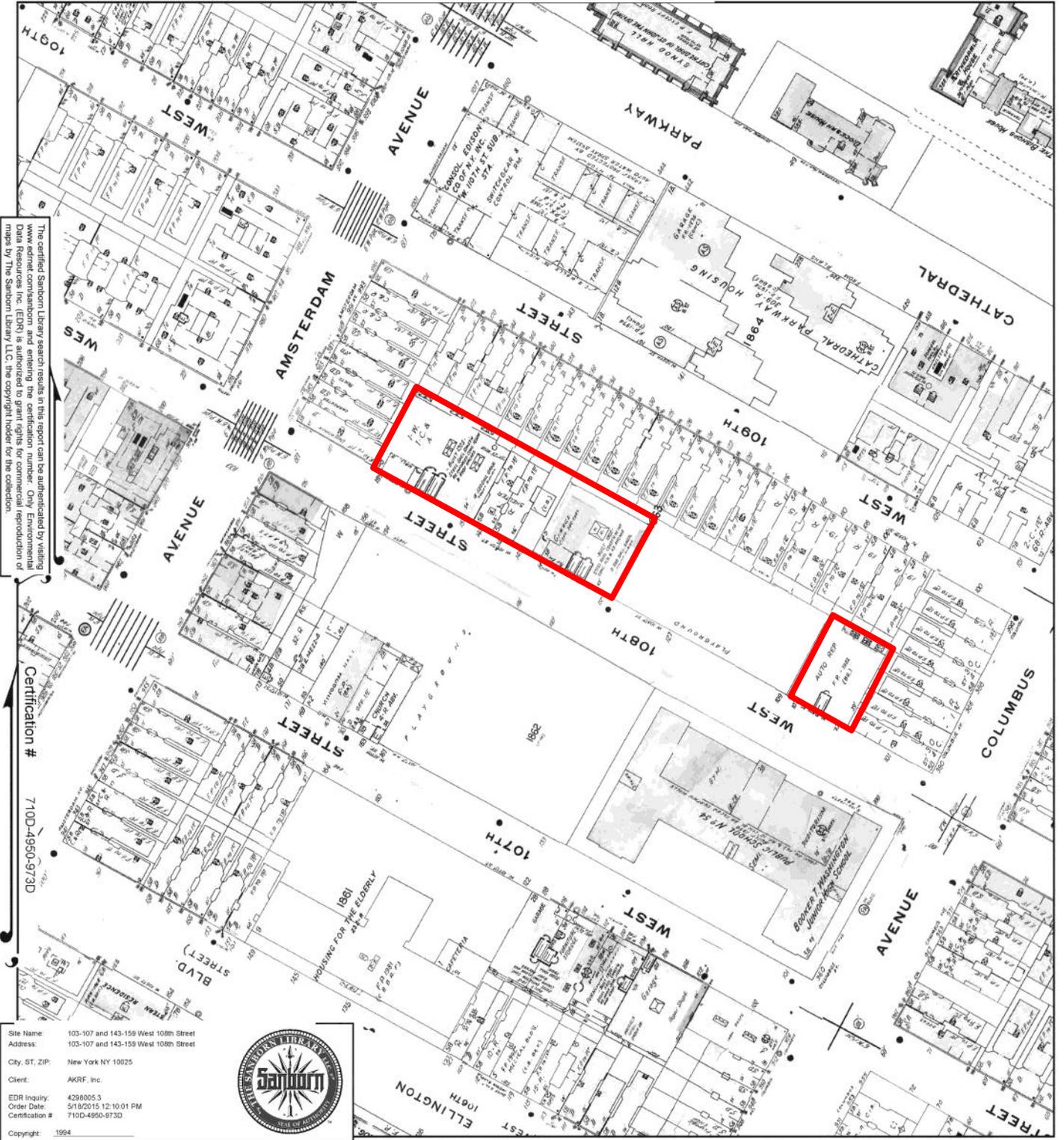


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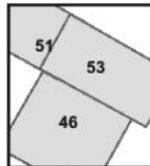
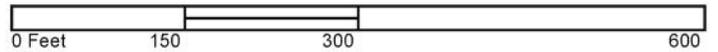
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 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
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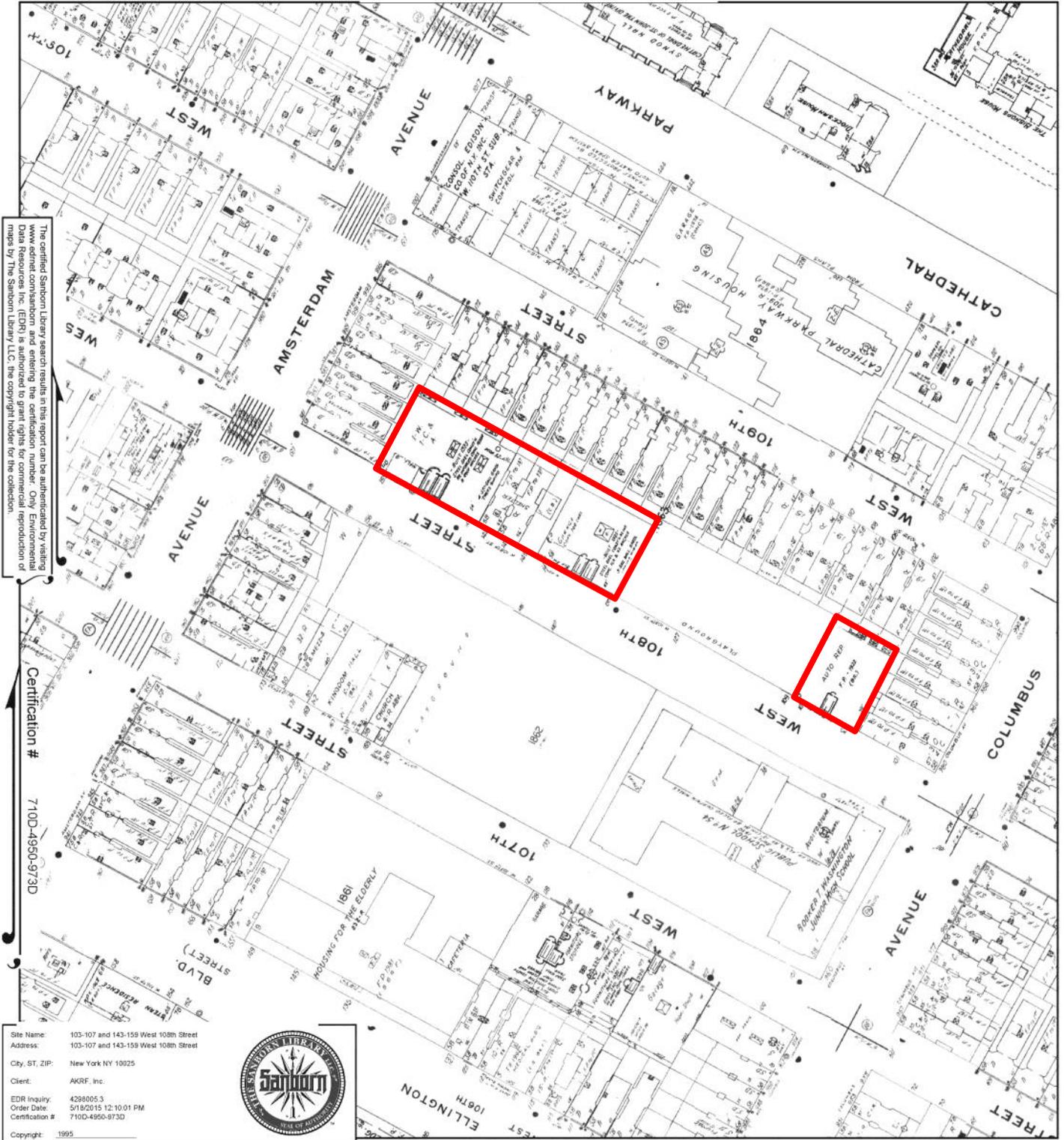
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53



# 1995 Certified Sanborn Map



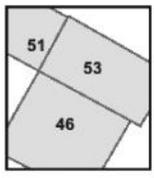
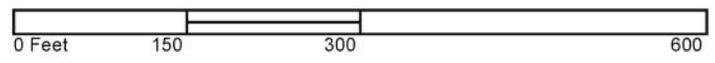
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 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 710D-4950-973D  
 Copyright: 1995



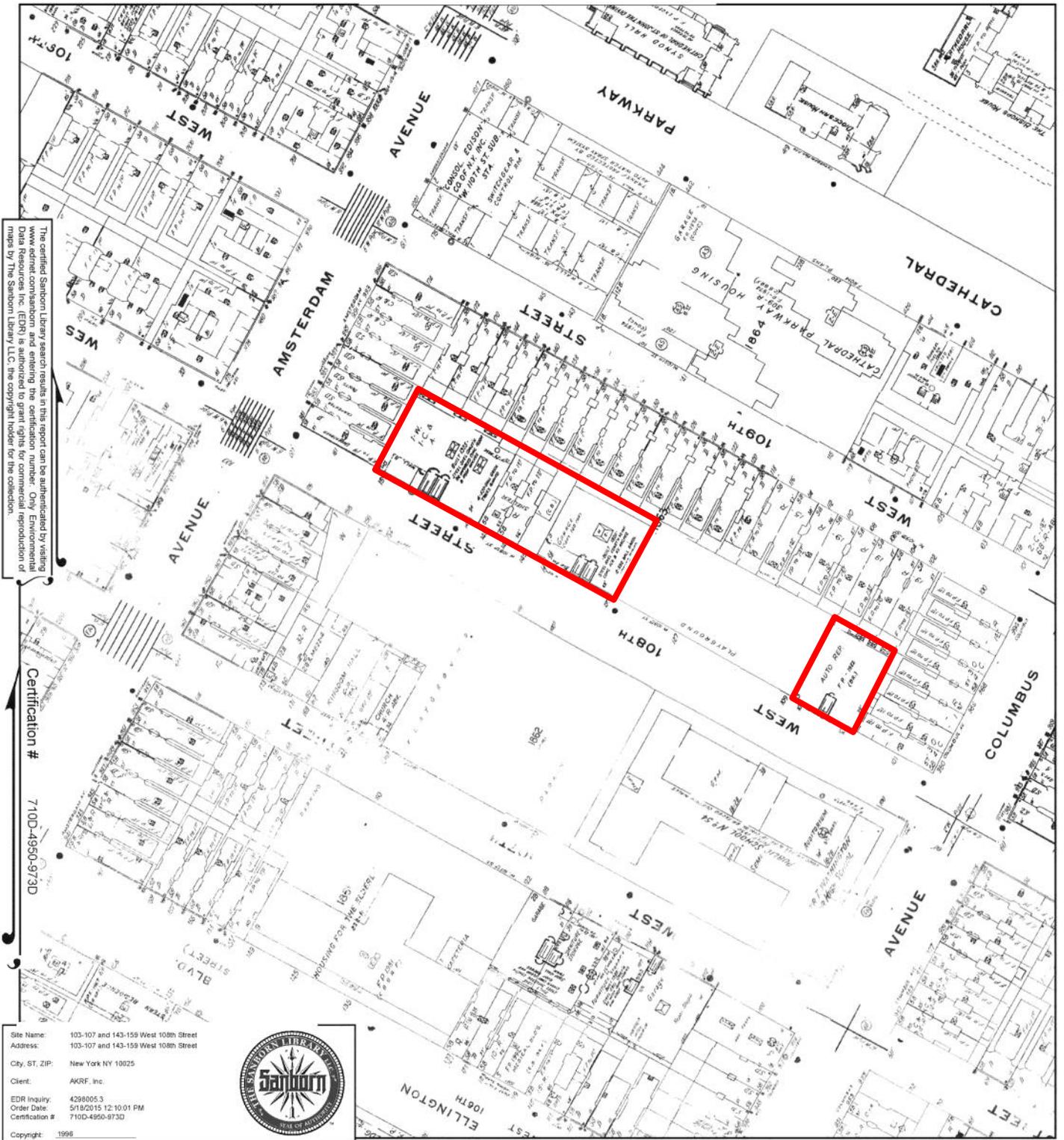
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 7S, Sheet 51  
 Volume 7S, Sheet 53  
 Volume 7S, Sheet 46



# 1996 Certified Sanborn Map



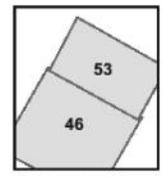
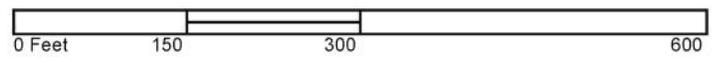
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 Address: 103-107 and 143-159 West 108th Street  
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 Copyright: 1998



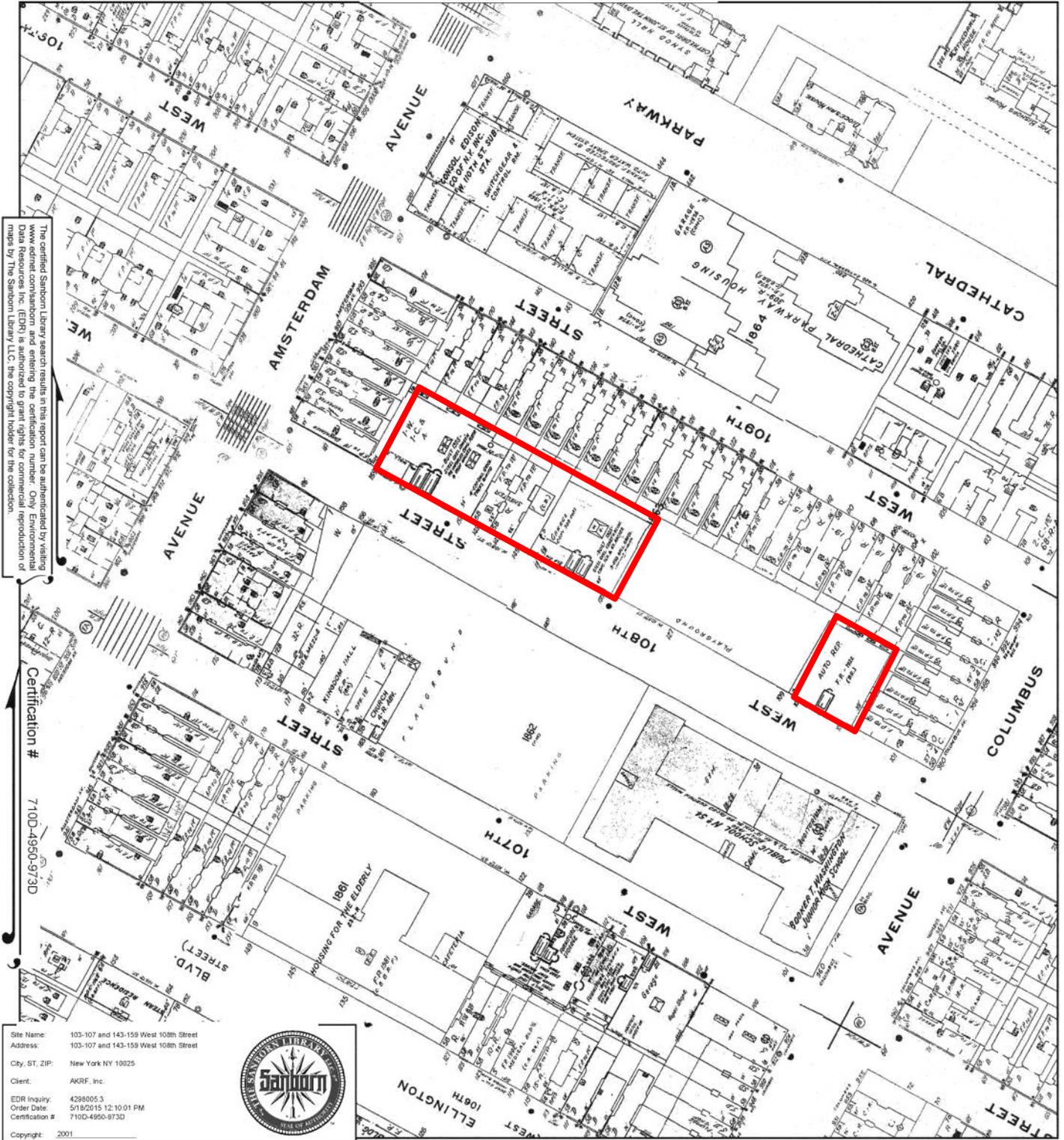
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Volume 7S, Sheet 46  
 Volume 7S, Sheet 53



# 2001 Certified Sanborn Map



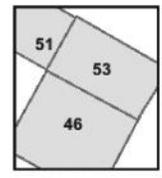
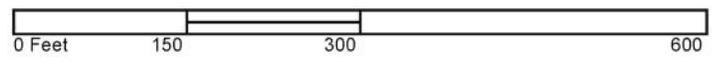
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 EDR Inquiry: 4298005.3  
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 Certification #: 7100-4950-973D  
 Copyright: 2001



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

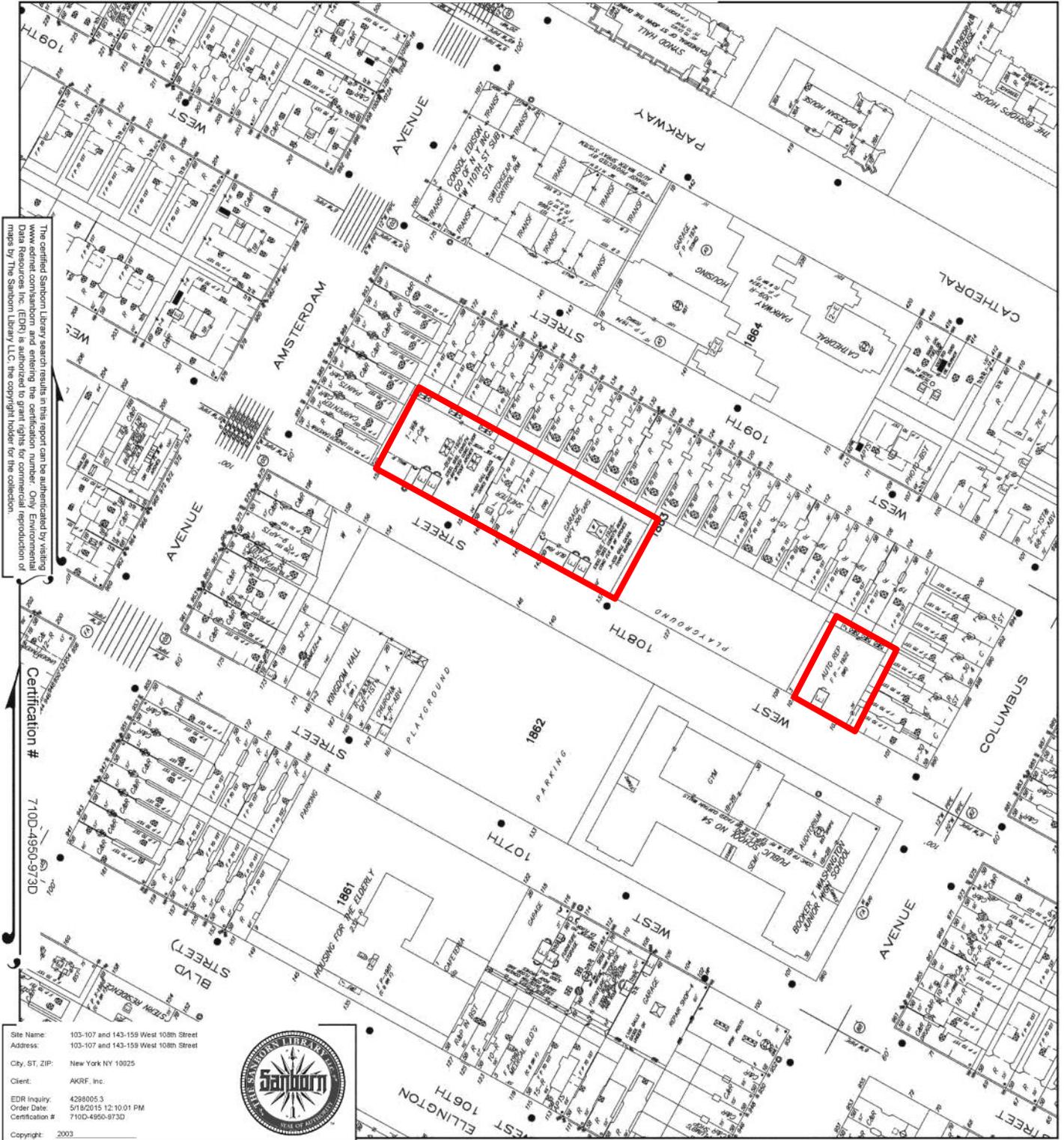


Volume 7S, Sheet 46  
 Volume 7S, Sheet 51  
 Volume 7S, Sheet 53





# 2003 Certified Sanborn Map



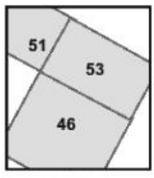
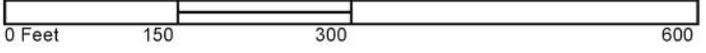
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 City, ST, ZIP: New York NY 10025  
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 Copyright: 2003



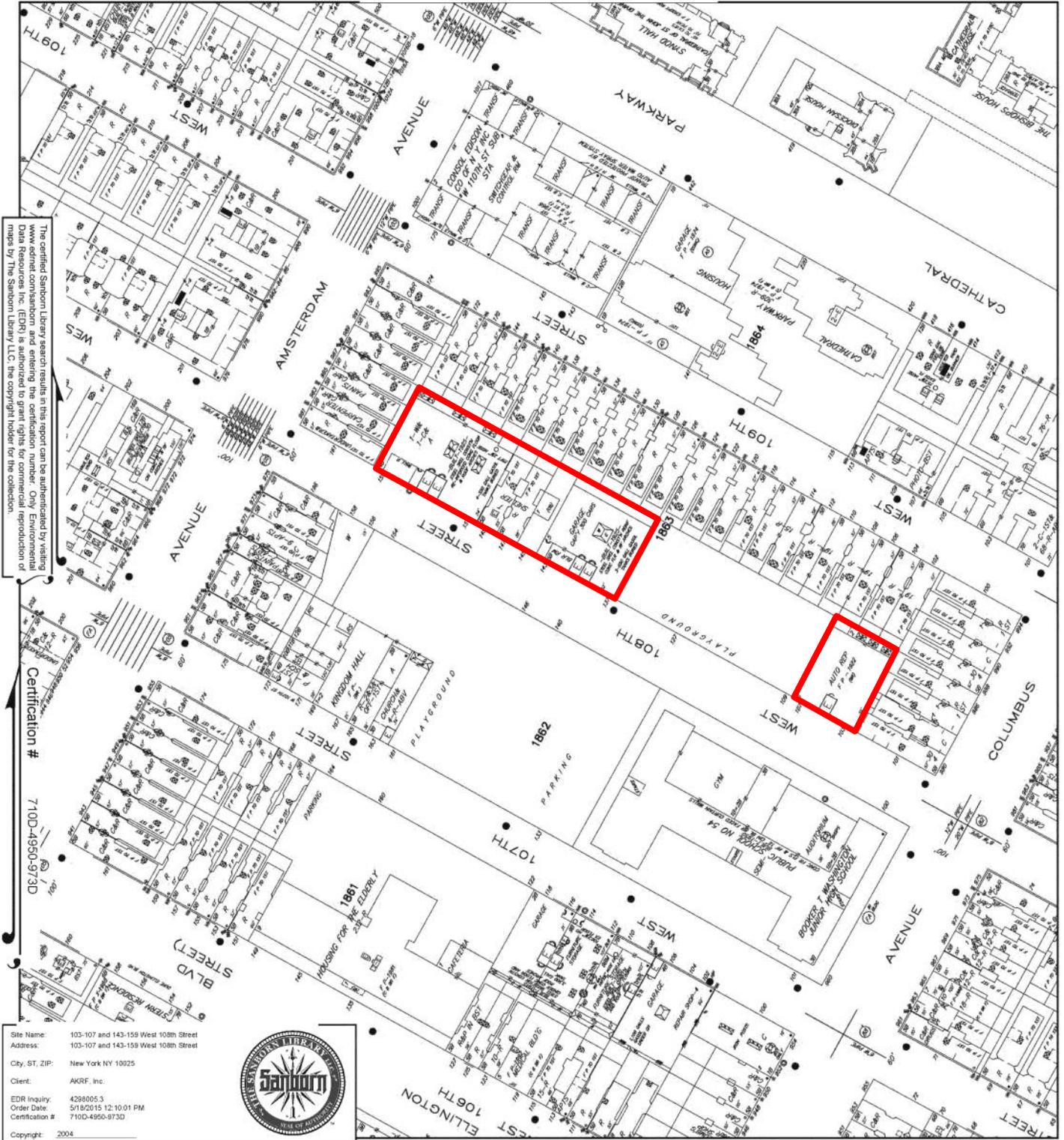
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 7S, Sheet 46
- Volume 7S, Sheet 51
- Volume 7S, Sheet 53



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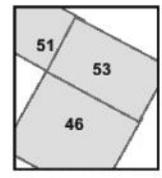
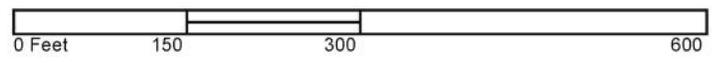
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 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
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 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 710D-4950-973D  
 Copyright: 2004



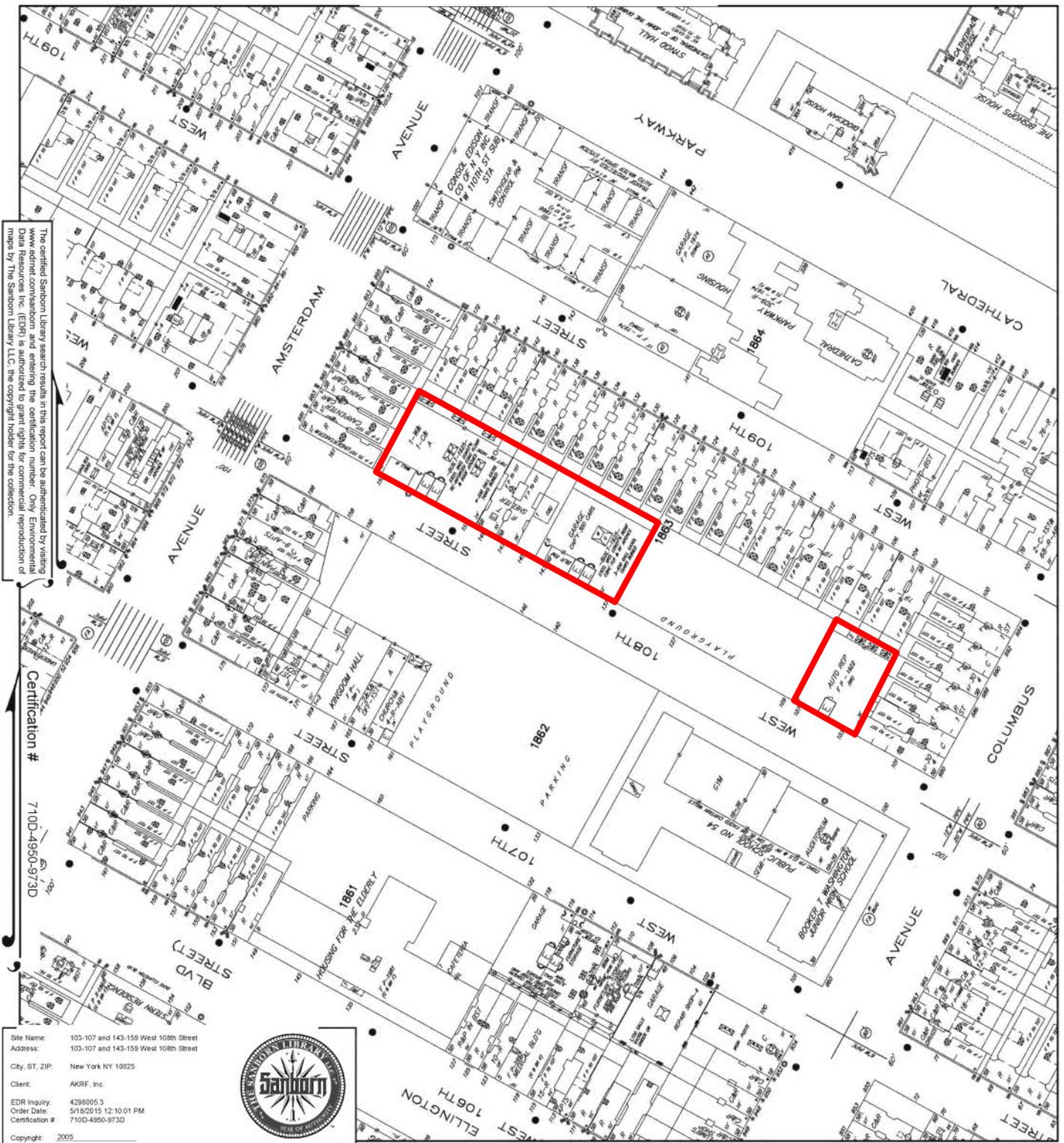
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 7S, Sheet 46  
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 Volume 7S, Sheet 53



# 2005 Certified Sanborn Map



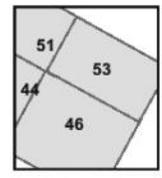
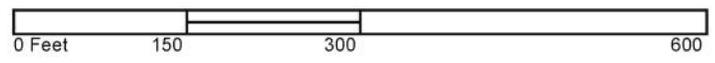
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com](http://www.edr.com) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

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 Address: 103-107 and 143-159 West 108th Street  
 City, ST, ZIP: New York NY 10025  
 Client: AKRF, Inc.  
 EDR Inquiry: 4298005.3  
 Order Date: 5/18/2015 12:10:01 PM  
 Certification #: 710D-4950-973D  
 Copyright: 2005



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 7S, Sheet 44
- Volume 7S, Sheet 46
- Volume 7S, Sheet 51
- Volume 7S, Sheet 53



**APPENDIX C**  
**HISTORICAL AERIAL PHOTOGRAPHS**



INQUIRY #: 4298005.12

YEAR: 1924

|—————| = 500'





INQUIRY #: 4298005.12

YEAR: 1940

| = 500'





INQUIRY #: 4298005.12

YEAR: 1943

— = 500'





INQUIRY #: 4298005.12

YEAR: 1951

| = 500'





INQUIRY #: 4298005.12

YEAR: 1954

| = 500'





INQUIRY #: 4298005.12

YEAR: 1961

— = 500'





INQUIRY #: 4298005.12

YEAR: 1966

— = 500'



INQUIRY #: 4298005.12

YEAR: 1974

| = 500'





INQUIRY #: 4298005.12

YEAR: 1976

| = 1000'





INQUIRY #: 4298005.12

YEAR: 1984

| = 500'





INQUIRY #: 4298005.12

YEAR: 1991

|—————| = 500'





INQUIRY #: 4298005.12

YEAR: 1995

|—————| = 500'





INQUIRY #: 4298005.12

YEAR: 2006

|—————| = 500'



EDR



INQUIRY #: 4298005.12

YEAR: 2008

| = 500'





INQUIRY #: 4298005.12

YEAR: 2009

| = 500'





INQUIRY #: 4298005.12

YEAR: 2010

| = 500'





INQUIRY #: 4298005.12

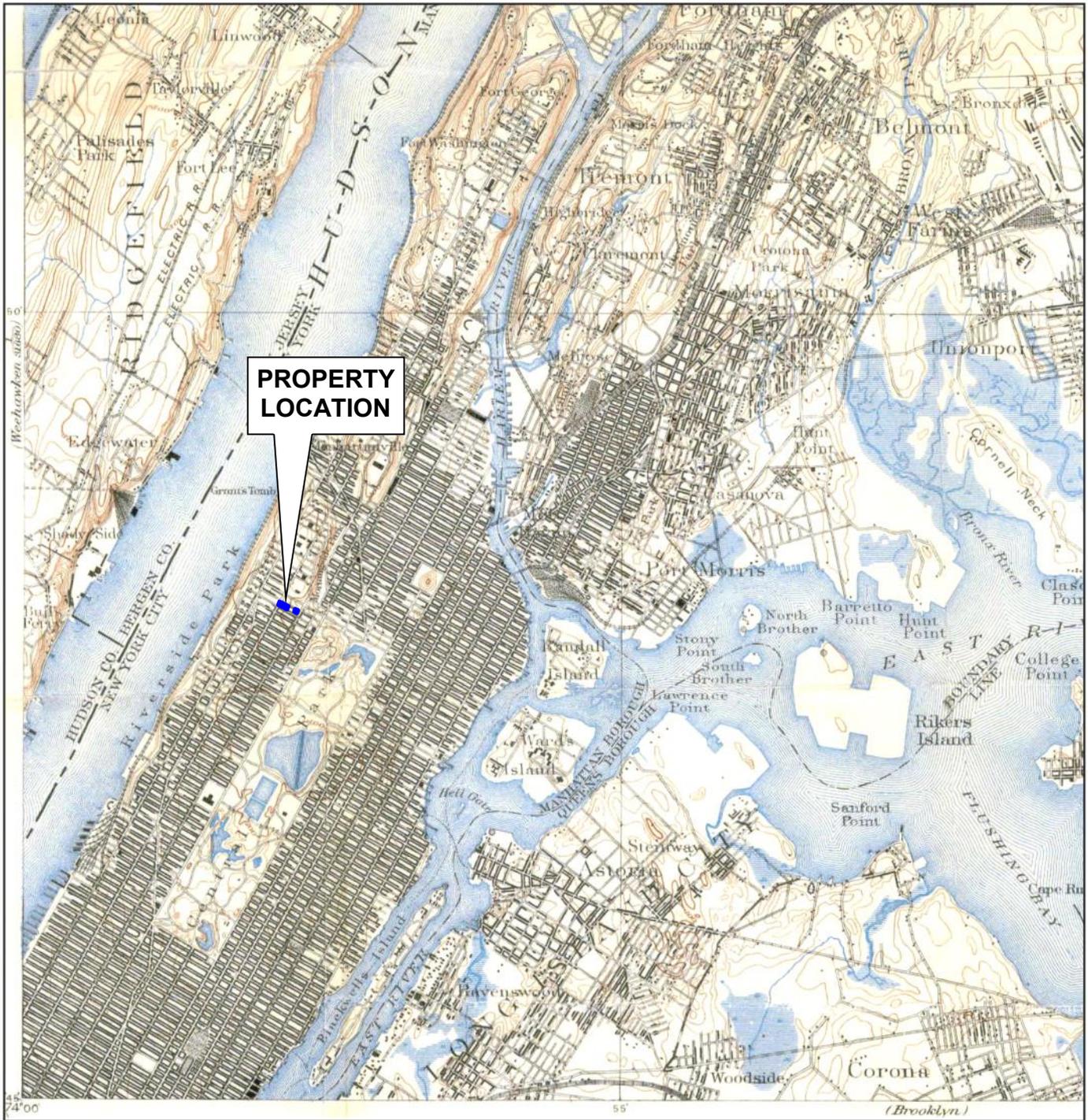
YEAR: 2011

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**APPENDIX D**  
**HISTORICAL USGS TOPOGRAPHIC MAPS**

# Historical Topographic Map



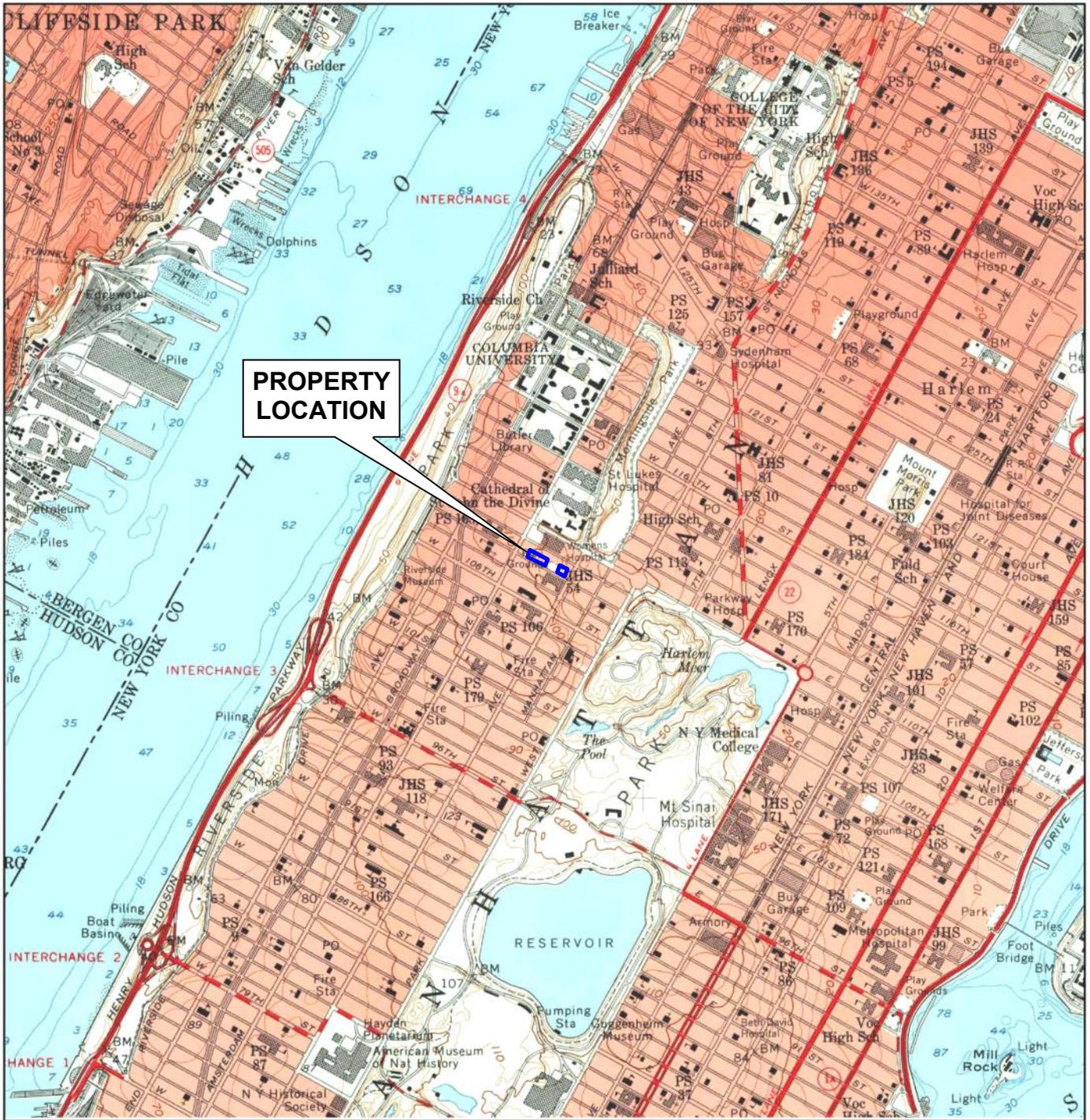
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	<p>SERIES: 15 SCALE: 1:62500</p>	<p>LAT/LONG: 40.8013 / -73.9636</p>	

# Historical Topographic Map



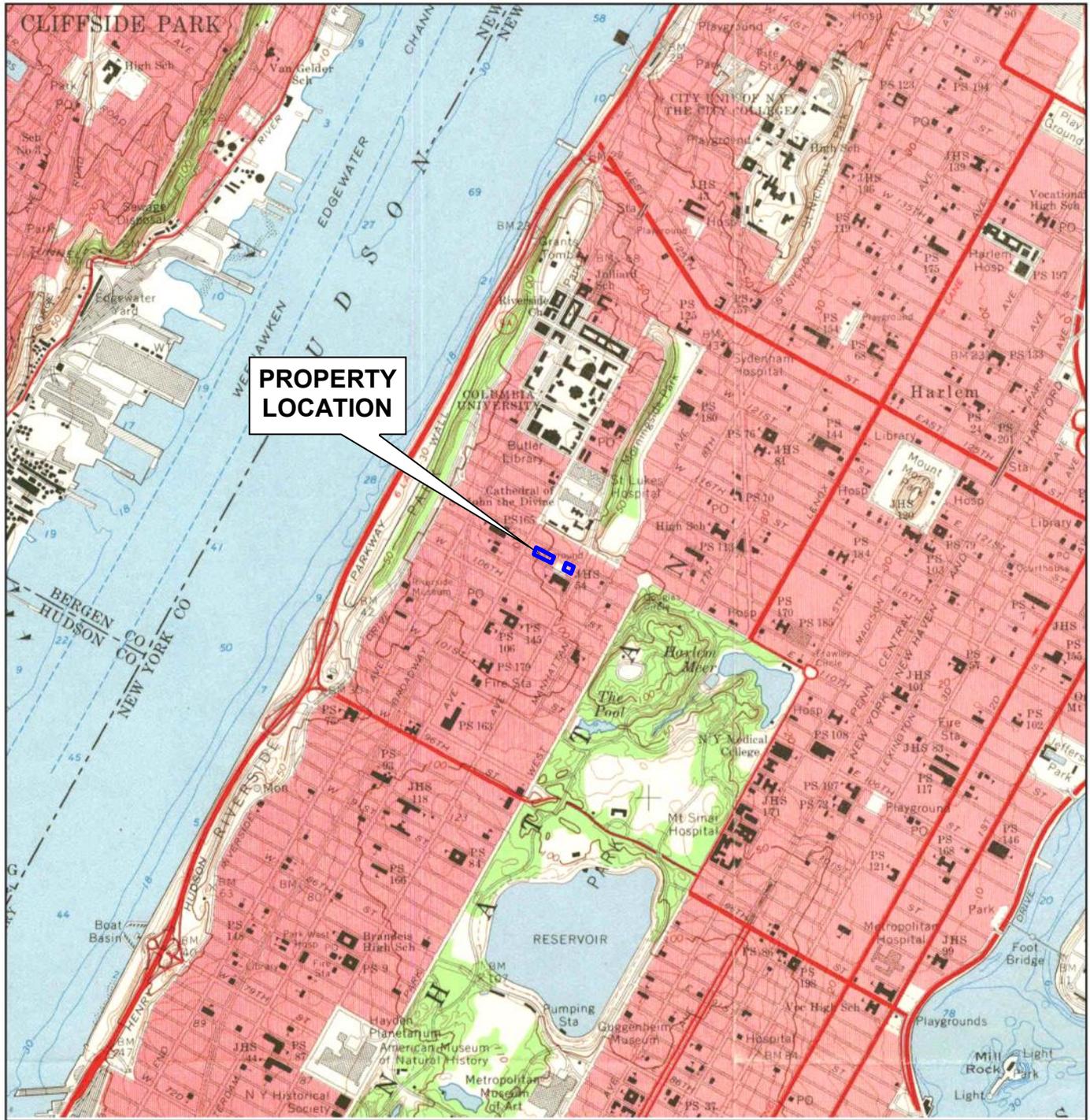
<p>N ↑</p>	<p>TARGET QUAD NAME: CENTRAL PARK MAP YEAR: 1947</p>	<p>SITE NAME: 103-107 and 143-159 West 108th Street ADDRESS: 103-107 and 143-159 West 108th Street New York, NY 10025</p>	<p>CLIENT: AKRF, Inc. CONTACT: Elizabeth Matamoros INQUIRY#: 4298005.4 RESEARCH DATE: 05/18/2015</p>
	<p>SERIES: 7.5 SCALE: 1:25000</p>	<p>LAT/LONG: 40.8013 / -73.9636</p>	

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: CENTRAL PARK MAP YEAR: 1956</p>	<p>SITE NAME: 103-107 and 143-159 West 108th Street ADDRESS: 103-107 and 143-159 West 108th Street New York, NY 10025</p>	<p>CLIENT: AKRF, Inc. CONTACT: Elizabeth Matamoros INQUIRY#: 4298005.4 RESEARCH DATE: 05/18/2015</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>LAT/LONG: 40.8013 / -73.9636</p>	

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: CENTRAL PARK MAP YEAR: 1966</p>	<p>SITE NAME: 103-107 and 143-159 West 108th Street ADDRESS: 103-107 and 143-159 West 108th Street New York, NY 10025</p>	<p>CLIENT: AKRF, Inc. CONTACT: Elizabeth Matamoros INQUIRY#: 4298005.4 RESEARCH DATE: 05/18/2015</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>LAT/LONG: 40.8013 / -73.9636</p>	

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: CENTRAL PARK MAP YEAR: 1979 PHOTOREVISED FROM :1966 SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: 103-107 and 143-159 West 108th Street ADDRESS: 103-107 and 143-159 West 108th Street LAT/LONG: 40.8013 / -73.9636</p>	<p>CLIENT: AKRF, Inc. CONTACT: Elizabeth Matamoros INQUIRY#: 4298005.4 RESEARCH DATE: 05/18/2015</p>

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: CENTRAL PARK MAP YEAR: 1995</p>	<p>SITE NAME: 103-107 and 143-159 West 108th Street ADDRESS: 103-107 and 143-159 West 108th Street New York, NY 10025</p>	<p>CLIENT: AKRF, Inc. CONTACT: Elizabeth Matamoros INQUIRY#: 4298005.4 RESEARCH DATE: 05/18/2015</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>LAT/LONG: 40.8013 / -73.9636</p>	

**APPENDIX E**  
**CITY DIRECTORY SUMMARY**

**103-107 and 143-159 West 108th Street**

103-107 and 143-159 West 108th Street  
New York, NY 10025

Inquiry Number: 4298005.5

June 01, 2015

# The EDR-City Directory Abstract

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	-	X	X	-
	NYNEX Telephone	X	X	X	-
1996	NYNEX	-	-	-	-
1988	NYNEX Telephone	-	X	X	-
	NYNEX Telephone	X	X	X	-
1983	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1978	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1968	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1963	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1958	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1956	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1950	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1947	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1942	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1938	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
	Manhattan and Bronx Directory Publishing Company Residential Directory	X	X	X	-
1927	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1920	R. L. Polk & Co.	X	X	X	-

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

103-107 and 143-159 West 108th Street  
New York, NY 10025

#### FINDINGS DETAIL

Target Property research detail.

#### W 108 %

##### 147 W 108 %

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1968	XAGORARIS GERASIMOS W 108	New York Telephone

#### W 108 ST

##### 147 W 108 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1978	CHAO FOH CHUON	New York Telephone
	HOM TONI CHI-LIANG	New York Telephone
1973	BECKWITH L	New York Telephone
	CHAO FOH CHUON	New York Telephone
	DIMETRIADES CHRIS	New York Telephone
	GRAVES H	New York Telephone
	HOM TONM CH LIANQ	New York Telephone
	MACHAN ANNA	New York Telephone
1968	BUDABIN GEO S	New York Telephone
	EICHNER MALTIN	New York Telephone
	GORING WM	New York Telephone
	KIRKMAN HARRY L	New York Telephone
	KOMAE KAMETARO	New York Telephone
	MC ELROY JOHN	New York Telephone
	SEUNG KING-CHEUNG	New York Telephone
	SIN TOM H	New York Telephone
1963	ASAHARA MITSUJI	New York Telephone
	KOMAO KAMETARO	New York Telephone
	MACHAN PLACIDO	New York Telephone
	MALLOY DENNIS	New York Telephone
	PALERMO SEMEN	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	PARK JAS	New York Telephone
	ROBERT	New York Telephone
	SANG	New York Telephone
	TALIAFERRO KERRY W	New York Telephone
	TOLETE FABIAN	New York Telephone
	VINCENT JAS	New York Telephone
	WALLBANK HETTY H	New York Telephone
	XAGORANS GERASIMOS	New York Telephone
1958	COZIC JEAN	New York Telephone
1956	FLAHERTY JAS J	New York Telephone
	PAGAN JOSE P	New York Telephone
	PATRICK EDNA	New York Telephone
	SHAFIR ELSIE MRS	New York Telephone
1950	O BRIEN JAS J	New York Telephone
1931	CITARELLA MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	KUHNE LOUISE	Manhattan and Bronx Directory Publishing Company Residential Directory
	MARINELLI MAURO	Manhattan and Bronx Directory Publishing Company Residential Directory
	RENUE CARMINE	Manhattan and Bronx Directory Publishing Company Residential Directory
	RICCARDI ANTONIO	Manhattan and Bronx Directory Publishing Company Residential Directory
	SONLIAS ANTHONY C	Manhattan and Bronx Directory Publishing Company Residential Directory
	SPERDUTO NICHOLAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	SULLIVAN THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	WALSH PATK	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	CITARELLA CHAS R	New York Telephone

### 149 W 108 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	VALLEY LODGE	NYNEX Telephone
1993	VALLEY LODGE	NYNEX Telephone
1983	LORENZO REGINA	New York Telephone
	SOSA PLACIDO	New York Telephone
1978	DE JESUS DANIEL	New York Telephone
	ELLIOTT MARCOS R	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1978	SANTIAGO BRIGIDA	New York Telephone	
	VINCENT MARIANA	New York Telephone	
1973	BODLEY E	New York Telephone	
	INFANTE IVAN	New York Telephone	
	LYUN JOHN M	New York Telephone	
	NELLES BAREND G	New York Telephone	
	SCOTT DON	New York Telephone	
	VAN WILSON PHILLIP	New York Telephone	
	1968	BLOCH JUDUTH R	New York Telephone
BOBRICK ROBT P		New York Telephone	
BODLEY E		New York Telephone	
BOWDERY ALLAN		New York Telephone	
JONES ROBT W		New York Telephone	
LA ROCHE LAURENT P		New York Telephone	
MATTSON ARTHUR		New York Telephone	
NELLES BAREND G		New York Telephone	
SOLKOFF JOEL		New York Telephone	
SWANKE WAYNE E		New York Telephone	
TUCKER ANNIE MRS		New York Telephone	
TUCKER VII GINIA		New York Telephone	
TUCKER WM A		New York Telephone	
WEINBERG JERRY		New York Telephone	
WENCH PETROUCHKA		New York Telephone	
1963		ANDREWS HERBERT	New York Telephone
		BLOCH JUDITH R	New York Telephone
	DICKERSON LUCIA MRS	New York Telephone	
	E	New York Telephone	
	LUCERO ALFREDO	New York Telephone	
	TAKAKJIAN ELIZ	New York Telephone	
	TOLSTOY PAUL	New York Telephone	
	TUCKER ANNE MRS	New York Telephone	
	TUCKER VIRGINIA	New York Telephone	
	TUCKER WM A	New York Telephone	
WAHLM WM S	New York Telephone		
1958	CRUZ MARIA MRS	New York Telephone	
	DAVIDSON A N MRS	New York Telephone	
	LAM FON	New York Telephone	
	LYNN JOHN M	New York Telephone	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	MARTIN HELENA T	New York Telephone
	MORALES MARY MRS	New York Telephone
	MOYA VICTOR	New York Telephone
	SOM Y Q	New York Telephone
	STAMOS OLGA MRS	New York Telephone
	TOLSTOY PAUL	New York Telephone
	WONG CHRISTINE	New York Telephone
	1956	BRENNAN WM J
CRUZ MARIA MRS		New York Telephone
LYNN JOHN M		New York Telephone
MCGUIGAN MARY MRS		New York Telephone
MCGUIGAN T		New York Telephone
MELENDEZ IRIS		New York Telephone
MOYA VICTOR		New York Telephone
RIVERA THOS		New York Telephone
1950	BEST ETHEL A RN	New York Telephone
	BRENNAN WM J	New York Telephone
	MCGLYNN MICHL T	New York Telephone
1942	GARIANO FRANK	New York Telephone
1931	FERGUSON BEATRICE	Manhattan and Bronx Directory Publishing Company Residential Directory
	FERICK JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	HABERMAN A	Manhattan and Bronx Directory Publishing Company Residential Directory
	O CONNOR DANL	Manhattan and Bronx Directory Publishing Company Residential Directory
	O CONNOR JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	PENY MARGT	Manhattan and Bronx Directory Publishing Company Residential Directory
	PILEMAN MICHL	Manhattan and Bronx Directory Publishing Company Residential Directory
	PILEMAN THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	RIEGOW MAX	Manhattan and Bronx Directory Publishing Company Residential Directory
	SMITH CATH	Manhattan and Bronx Directory Publishing Company Residential Directory
	1927	SABINO ANIELLO R

## FINDINGS

### 151 W 108 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	PARK YORK GARAGE CORP	NYNEX Telephone
	YORKSHIRE GARAGE	NYNEX Telephone
1993	PARK YORK GARAGE CORP	NYNEX Telephone
	YORKSHIRE GARAGE	NYNEX Telephone
1988	PARK YORK GARAGE CORP	NYNEX Telephone
	YORKSHIRE GARAGE	NYNEX Telephone
1983	PARK YORK GARAGE CORP	New York Telephone
	YORKSHIRE GARAGE	New York Telephone
1978	PARK YORK GARAGE CORP	New York Telephone
	YORKSHIRE GARAGE	New York Telephone
1973	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE ARAE	New York Telephone
	RUSSO E AUTO BODY REPAIRS	New York Telephone
1968	PARK YOIK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
	RUSSOE AUTO BOY REPAIRS	New York Telephone
1963	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
	RUSSO EMIL AUTO REPR	New York Telephone
	RUSSO S AUTO REPR	New York Telephone
1958	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
	RUSSO EMIL AUTO REPR	New York Telephone
	RUSSOS AUTO REPR	New York Telephone
1956	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
	RUSSO EMIL AUTO REPR	New York Telephone
1950	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
1947	PARK YORK GARAGE CORP	New York Telephone
1942	PARK YORK GARAGE CORP	New York Telephone
	PARK YORKSHIRE GARAGE	New York Telephone
1938	PARK YORKSHNE GARAGE	New York Telephone
1927	YORKSHIRE GARAGE INC	New York Telephone

### 157 W 108 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	MIDTOWN PURCHASING CO INC	New York Telephone

## FINDINGS

### **W 108TH**

#### **149 W 108TH**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1931	Ferguson Beatrice	Manhattan and Bronx Directory Publishing Company Residential Directory
	Ferick Jas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Haberman A	Manhattan and Bronx Directory Publishing Company Residential Directory
	OConnor Danl	Manhattan and Bronx Directory Publishing Company Residential Directory
	OConnor Jas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Peny Margt	Manhattan and Bronx Directory Publishing Company Residential Directory
	Pileman Michl	Manhattan and Bronx Directory Publishing Company Residential Directory
	Pileman Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Riegow Max	Manhattan and Bronx Directory Publishing Company Residential Directory
	Smith Cath	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Sabino Aniello r	New York Telephone
1920	Fillow F Howard	R. L. Polk & Co.
	McChristin Bernard	R. L. Polk & Co.
	Neioffer Otto	R. L. Polk & Co.
	OConnor Danl clk	R. L. Polk & Co.
	OConnor Walter lab	R. L. Polk & Co.
	Schatte Jos	R. L. Polk & Co.
	Stanton Edw chauf	R. L. Polk & Co.

#### **151 W 108TH**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1934	Park Yorkshire Garage Inc NY Wm Hellman pres v pres sec treas	R. L. Polk & Co.
1927	Yorkshire Garage Inc	New York Telephone
1920	Balaban Sol tailor	R. L. Polk & Co.
	Finneran Michl firemn	R. L. Polk & Co.
	Gerdes Edw	R. L. Polk & Co.
	Gerdes W E clk First Nat Bank	R. L. Polk & Co.
	Hughes Edw clk	R. L. Polk & Co.
	Illinger Paul D meat ctr	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Illingworth Clarence treas Jno Illingworth Steel Co h Phila Pa	R. L. Polk & Co.
	Mansell Josephine M clk Guaranty Trust Co	R. L. Polk & Co.
	Stanton Wm F fruits	R. L. Polk & Co.

### 153 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Devan Danl clk	R. L. Polk & Co.
	Flynn Thos P slsmn	R. L. Polk & Co.
	Kercher Wm slsmn	R. L. Polk & Co.
	Leonhardt Wm clk	R. L. Polk & Co.
	Morehouse Wm D clk	R. L. Polk & Co.
	Muller Leon baker	R. L. Polk & Co.
	Stengel Christian lab	R. L. Polk & Co.
	Thomas Jas A slsmn	R. L. Polk & Co.
	Thomas Jno A clk	R. L. Polk & Co.
	Thomas Jno C pres Manhattan American Motor Car Co Inc r NY Athletic Club	R. L. Polk & Co.

### 155 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Anderson C S drsmkr	R. L. Polk & Co.
	Edelstein Abr Edelstein Bros	R. L. Polk & Co.
	Furlong Martln J	R. L. Polk & Co.
	Kiernan Bernard clk	R. L. Polk & Co.
	Melo Carmino	R. L. Polk & Co.
	Melo Saml New W End Express	R. L. Polk & Co.
	Merling Benedict mgr Sheffield Farms Co Inc	R. L. Polk & Co.
	Mittelkauf Chas	R. L. Polk & Co.

### 157 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Costello Thos	R. L. Polk & Co.
	Lee Patk clk	R. L. Polk & Co.
	Lee Patk V	R. L. Polk & Co.
	Mitchell Lawrence V	R. L. Polk & Co.
	Morrissey Jas A foremn	R. L. Polk & Co.
	Pepper Jos	R. L. Polk & Co.
	Purcell Fred O	R. L. Polk & Co.
	Purcell Jas W foremn	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Purcell Jno W	R. L. Polk & Co.
	Schmidt Ernest	R. L. Polk & Co.
	Slevin Jas	R. L. Polk & Co.
	Slevin Wm	R. L. Polk & Co.

### **159 W 108TH**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Cannister Edw	R. L. Polk & Co.
	Carroll Patk	R. L. Polk & Co.
	Dalheim Alvin G clk Bankers Trust Co	R. L. Polk & Co.
	Dalheim Clara H sten Irving Natl Bank	R. L. Polk & Co.
	Dalheim Otto J broker	R. L. Polk & Co.
	Feehan Kathleen clk P O	R. L. Polk & Co.
	Feehan Wm J hostler	R. L. Polk & Co.
	Frain Martin mtrmn	R. L. Polk & Co.
	Herman Jas pmr	R. L. Polk & Co.
	Hernon Wm clk	R. L. Polk & Co.
	Hoecker Fradk watchmn	R. L. Polk & Co.
	Hoecker Johana wid Wm	R. L. Polk & Co.
	Korman Hy	R. L. Polk & Co.
	Nolan Jas J	R. L. Polk & Co.
	Nolan Jno J	R. L. Polk & Co.
	Spae Eliz M	R. L. Polk & Co.
	Stemmler Adolph J clk Western Electric Co	R. L. Polk & Co.
	Stemmler Anton driver	R. L. Polk & Co.
	Stemmler Edw C sec E G Mfg Co Inc	R. L. Polk & Co.
	Walters Felix	R. L. Polk & Co.
	Waters Felix firemn	R. L. Polk & Co.

### **W 108TH H DO**

#### **155 W 108TH H DO**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	Anderson Carrie S Mrs drsmkr	R. L. Polk & Co.

## FINDINGS

### **W 108TH ST**

#### **149 W 108TH ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2013	WEST SIDE FEDERATION FOR SENIOR HOUS	Cole Information Services
2008	VALLEY LODGE	Cole Information Services
2006	Valley Lodge Is	Hill-Donnelly Information Services
	Westside Fedrtn Senior Housing	Hill-Donnelly Information Services
2000	VALLEY LODGE	Cole Information Services
	W SIDE FEDRN HSNG	Cole Information Services

#### **151 W 108TH ST**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2013	YORKSHIRE GARAGE	Cole Information Services
2008	151 WEST 108TH ST GARAG CORP	Cole Information Services
	ZEPHYR CONTRACTING INC	Cole Information Services
2006	Yorkshire Garage 1 s	Hill-Donnelly Information Services
	Zephyr Contracting Inc o	Hill-Donnelly Information Services
2000	PARK YORK GRGE CRP	Cole Information Services
	YORKSHIRE GARAGE	Cole Information Services
	ZEPHYR CONTRNG INC	Cole Information Services

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### W 108 ST

##### **146 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	MURPHY FRANCIS X POLICE	Manhattan and Bronx Directory Publishing Company Residential Directory

##### **150 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1978	ATKINSON BILLIE	New York Telephone
1950	KANE BILL USED CARS	New York Telephone
1947	NEW AMSTERDAM AUTO PARTS & SVCE CO MAIN OFFICE	New York Telephone

##### **152 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	CARRIG JOHN G FIREMAN	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	NOIL CHEMICAL & COLOR CO	New York Telephone

##### **154 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	JACKSON WALTER L	New York Telephone
1950	RUSSO EMIL AUTOREPR	New York Telephone
1947	RUSSO EMIL AUTO REPR	New York Telephone
1942	DE MARCO FRANK AUTO REP	New York Telephone
	RUSSO EMIL AUTO REPR	New York Telephone
1938	DE MARCO FRANK AUTO REP	New York Telephone
1927	DE MARCO FRANK AUTO REP	New York Telephone

##### **158 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	WATER CONSERVATION INC	NYNEX Telephone

##### **161 W 108 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	DE LA CRUZ MARIA	NYNEX Telephone
	GONZALES MARIA	NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	HERNANDEZ FRANCISCA	NYNEX Telephone
	HIRALDO JUAN	NYNEX Telephone
	MATOS PABLO	NYNEX Telephone
	SANCHEZ MERCEDES	NYNEX Telephone
	VALDEZ CARMEN	NYNEX Telephone
1983	DE LA CRUZ MARIA	New York Telephone
	DIAZ JULIA	New York Telephone
	MATOS PABLO	New York Telephone
1978	ESTRELLA OSCAR	New York Telephone
	FRANCES ERIDA	New York Telephone
	RAMIREZ CARMEN	New York Telephone
	SUAREZ JOSE	New York Telephone
	VENTURA RAMONA	New York Telephone
1973	ROMERO SIOMARA	New York Telephone
	SANCHEZ MARIA	New York Telephone
	SUAREZ JOSE	New York Telephone
	ALMONTE ROSA	New York Telephone
	CRUZ JUANA E	New York Telephone
	GONZALEZ RUFINO	New York Telephone
1968	NINA SANTIAGO	New York Telephone
	KING GERTRUDE MRS	New York Telephone
	ROMERO SIOMARA	New York Telephone
	TEJEDA CASILDA	New York Telephone
1963	VAZQUEZ ACISCLO R	New York Telephone
	CULLOTY MARGARET M	New York Telephone
	MCNALLY ELIZ MRS	New York Telephone
	MURFITT THERESA MRS	New York Telephone
	O CONNELL EDW	New York Telephone
1958	RIVERA JULIO	New York Telephone
	VAZQUEZ ACISCLO R	New York Telephone
	BEST ETHEL A RN	New York Telephone
	CULLOTY JOHN NI	New York Telephone
	JOHNSON PAUL	New York Telephone
	KILCOOLEY ANNA T	New York Telephone
	MCNALLY ELIZ MRS	New York Telephone
MURFITT THERESA MRS	New York Telephone	
	RAMOS DAVID	New York Telephone
	VAZQUEZ ACISCLO R	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	BEST ETHEL A RN	New York Telephone
	CULLOTY JOHN M	New York Telephone
	HURLEY BETTY MRS	New York Telephone
	KILCOOLEY ANNA T	New York Telephone
	KING G MRS	New York Telephone
	MCGUIRE WM J MRS	New York Telephone
	MCNALLY WALTER A	New York Telephone
	VAZQUEZ ACISCLO R	New York Telephone
1950	KING G MRS	New York Telephone
	MC GUIRE WM J MRS	New York Telephone
	MC NALLY WALTER A	New York Telephone
	SPRENGER E MRS	New York Telephone
1947	KING GERTRUDE	New York Telephone
1942	CHIND VERNER	New York Telephone
1938	LYNCH E N MISS	New York Telephone
	SCHEFFLER LOUISE F MRS	New York Telephone
1931	AVON ANTONIO	Manhattan and Bronx Directory Publishing Company Residential Directory
	AVON HELEN	Manhattan and Bronx Directory Publishing Company Residential Directory
	DELLAROCCA A	Manhattan and Bronx Directory Publishing Company Residential Directory
	DELLAROCCA CAMELIA	Manhattan and Bronx Directory Publishing Company Residential Directory
	DOUGHERTY JOHN F	Manhattan and Bronx Directory Publishing Company Residential Directory
	MULLIGAN SARAH	Manhattan and Bronx Directory Publishing Company Residential Directory
	ROBBINS JACOB S	Manhattan and Bronx Directory Publishing Company Residential Directory
	SULLIVAN MATTHEW	Manhattan and Bronx Directory Publishing Company Residential Directory
	SULLIVAN NELLIE	Manhattan and Bronx Directory Publishing Company Residential Directory
	WARE WM	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	AVON A R	New York Telephone
	BYRNES JOS J R	New York Telephone
	CARLIN ANNA H R	New York Telephone
	LYNCH E N MISS R	New York Telephone
	TRENCH E D R	New York Telephone

## FINDINGS

### **W 108TH**

#### **146 W 108TH**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Murphy Francis X police	Manhattan and Bronx Directory Publishing Company Residential Directory

#### **147 W 108TH**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Citarella Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
	Kuhne Louise	Manhattan and Bronx Directory Publishing Company Residential Directory
	Marinelli Mauro	Manhattan and Bronx Directory Publishing Company Residential Directory
	Renue Carmine	Manhattan and Bronx Directory Publishing Company Residential Directory
	Riccardi Antonio	Manhattan and Bronx Directory Publishing Company Residential Directory
	Sonlias Anthony C	Manhattan and Bronx Directory Publishing Company Residential Directory
	Sperduto Nicholas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Sullivan Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Walsh Patk	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Citarella Chas r	New York Telephone
1923	Holmes Alice nurse	R. L. Polk & Co.
1920	Citarella Chas clk	R. L. Polk & Co.
	Curry Jno	R. L. Polk & Co.
	Granecci Jos barber	R. L. Polk & Co.
	Holmes Alice nures	R. L. Polk & Co.
	Holmes Amy J Mrs sten Chase Nat Bank r Westfield NJ	R. L. Polk & Co.
	Kessler Chas mach	R. L. Polk & Co.
	OMeara Irene clk NY Times	R. L. Polk & Co.
	Pollio Antonio Russo & Pollio	R. L. Polk & Co.
	Russo Andw Russo & Pollio	R. L. Polk & Co.
	Tynan Jos condr	R. L. Polk & Co.

#### **150 W 108TH**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Guernsey Emily M wid Danl W	R. L. Polk & Co.

## FINDINGS

### 152 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Carrig John G fireman	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Noil Chemical & Color Co	New York Telephone
1923	Noil Chemical & Color Works Inc NY Hugh A Murray pres Fredk E Grant v p Byron Clark sec organic dye stuff	R. L. Polk & Co.
1920	Summers Franklin P mgr Noil Chemical & Color Co	R. L. Polk & Co.
	Noil Chemical & Color Co NY Hugh A Murray pres	R. L. Polk & Co.

### 154 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	De Marco Frank auto rep	New York Telephone

### 156 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1920	Nussbaum Saml window clnr	R. L. Polk & Co.

### 161 W 108TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	Ware Jos C clk	R. L. Polk & Co.
1931	Ware Wm	Manhattan and Bronx Directory Publishing Company Residential Directory
	Sullivan Nellie	Manhattan and Bronx Directory Publishing Company Residential Directory
	Sullivan Matthew	Manhattan and Bronx Directory Publishing Company Residential Directory
	Robbins Jacob S	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mulligan Sarah	Manhattan and Bronx Directory Publishing Company Residential Directory
	Dougherty John F	Manhattan and Bronx Directory Publishing Company Residential Directory
	Dellarocca Camelia	Manhattan and Bronx Directory Publishing Company Residential Directory
	Dellarocca A	Manhattan and Bronx Directory Publishing Company Residential Directory
	Avon Helen	Manhattan and Bronx Directory Publishing Company Residential Directory
	Avon Antonio	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Trench E D r	New York Telephone
	Lynch E N Miss r	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Carlin Anna H r	New York Telephone
	Avon A r	New York Telephone
	Byrnes Jos J r	New York Telephone
1920	Geller Abr Falk Bros & Geller	R. L. Polk & Co.
	Geller Jos	R. L. Polk & Co.
	Rhoades Genevieve H	R. L. Polk & Co.
	Winkler Chris	R. L. Polk & Co.
	Dougherty Jno F	R. L. Polk & Co.
	Carlin Jno F	R. L. Polk & Co.
	Bennett Raymond C	R. L. Polk & Co.

### W 108TH R DO

#### 161 W 108TH R DO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	Lynch E Nellie masseur	R. L. Polk & Co.

### W 108TH ST

#### 161 W 108TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	LOCKSMITH EXPRESS	Cole Information Services
2006	Sanchez Mercedes t	Hill-Donnelly Information Services
	Number 5 S h Padron Alejandrin A	Hill-Donnelly Information Services
	Number 3 S Ramirez Anna	Hill-Donnelly Information Services
	Number 4 R h Valdez Carmen AV	Hill-Donnelly Information Services
	Number 3 R h Miguel Zoyla	Hill-Donnelly Information Services
	Number 4 R h Hiraldo Juan At	Hill-Donnelly Information Services
	Number 5 R Germes Luis At	Hill-Donnelly Information Services
	Number 2 R Frances Erida v 7 o	Hill-Donnelly Information Services
	Number 3 N h Duran Marienis vt	Hill-Donnelly Information Services
	E Benite Anna L t	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
2000	CARMEN VALDEZ	Cole Information Services
	MERCEDES SANCHEZ	Cole Information Services
	LUIS OTERO	Cole Information Services
	MIGUEL MATAS	Cole Information Services
	3S JUAN HIRALDO	Cole Information Services
	ANNA L BENITE	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	APARTMENTS	Cole Information Services

### **W 180 ST**

#### **154 W 180 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	MILLER MOLLIE	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	MILLER CHAS L R	New York Telephone

#### **159 W 180 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	RAND HILARY	New York Telephone
1931	MASSENBURG JAS	Manhattan and Bronx Directory Publishing Company Residential Directory

#### **166 W 180 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	SMITH MINNIE	Manhattan and Bronx Directory Publishing Company Residential Directory

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

103-107 and 143-159 West  
108th Street

#### Address Not Identified in Research Source

1996

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

146 W 108 ST

#### Address Not Identified in Research Source

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

146 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

147 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934

150 W 108 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1973, 1968, 1963, 1958, 1956, 1942, 1938, 1934, 1931, 1927, 1923, 1920

150 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923

152 W 108 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920

152 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934

154 W 108 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1958, 1956, 1934, 1931, 1923, 1920

154 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

154 W 180 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920

156 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923

158 W 108 ST

2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

159 W 180 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

161 W 108 ST

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1934, 1923, 1920

161 W 108TH

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1923

161 W 108TH R DO

2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920

161 W 108TH ST

2013, 2008, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

## FINDINGS

### **Address Researched**

161 W 108TH ST

166 W 180 ST

### **Address Not Identified in Research Source**

2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

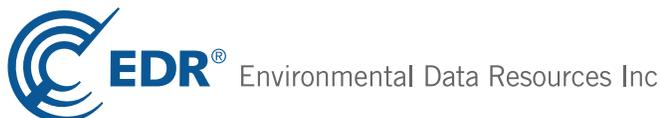
2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

**APPENDIX F**  
**REGULATORY RECORDS REVIEW**

**103-107 and 143-159 West 108th Street**  
103-107 and 143-159 West 108th Street  
New York, NY 10025

Inquiry Number: 4298005.2s  
May 18, 2015

## The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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Physical Setting Source Map .....	A-8
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***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

#### COORDINATES

Latitude (North): 40.8013000 - 40° 48' 4.68"  
Longitude (West): 73.9636000 - 73° 57' 48.96"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 587427.1  
UTM Y (Meters): 4517005.0  
Elevation: 92 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-G8 CENTRAL PARK, NY NJ  
Most Recent Revision: 1995

#### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20100731, 20110705, 20110710  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 103-107 AND 143-159 WEST 108TH STREET  
 NEW YORK, NY 10025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">Reg</a>	HUDSON RIVER PCBS	NO STREET APPLICABLE	NPL, CERCLIS, RCRA-SQG, US ENG CONTROLS, US INST...	Same	2374, 0.450, WNW
<a href="#">A1</a>	E & B OPERATING CORP	137 W 108 ST	NY UST, NY HIST UST	Lower	1 ft.
<a href="#">A2</a>	CON EDISON SERVICE B	148 W 108TH ST & E O	RCRA NonGen / NLR, NY MANIFEST	Lower	3, 0.001,
<a href="#">A3</a>	TIME WARNER CABLE	156 WEST 108TH STREE	NY AST	Lower	6, 0.001, SSE
<a href="#">A4</a>	FIFTY GAL IN MH 1797	156 WEST 108 STREET	NY Spills	Lower	6, 0.001, SSE
<a href="#">B5</a>	WEST 109 PORTFOLIO,	118 WEST 109TH STREE	NY AST	Lower	99, 0.019, East
<a href="#">A6</a>	136-146 W 109TH ST	136-146 W 109TH ST	NY Spills	Lower	104, 0.020, ENE
<a href="#">A7</a>	136-140 WEST 109TH S	136-140 WEST 109TH S	NY LTANKS	Lower	104, 0.020, ENE
<a href="#">A8</a>	WEST 109 PORTFOLIO,	136 WEST 109TH STREE	NY AST	Lower	104, 0.020, ENE
<a href="#">C9</a>	170 WEST 109TH STREE	170 WEST 109TH STREE	NY AST	Higher	113, 0.021, North
<a href="#">C10</a>	174 PROPERTY ASSOC I	174 WEST 109TH ST	NY AST, NY HIST AST	Higher	114, 0.022, North
<a href="#">A11</a>	108TH STREET	108TH STREET	NY Spills	Lower	114, 0.022, ESE
<a href="#">D12</a>	981 AMSTERDAM AVENUE	981 AMSTERDAM AVENUE	NY HIST UST, NY AST	Higher	149, 0.028, WNW
<a href="#">D13</a>	CON EDISON SERVICE B	AMSTERDAM AVE & 108T	RCRA-CESQG, NY MANIFEST	Higher	154, 0.029, WNW
<a href="#">D14</a>	NYSDEC BUREAU OF SPI	W 108TH ST & AMSTERD	NY MANIFEST	Higher	154, 0.029, WNW
<a href="#">D15</a>	CON EDISON	W 108TH ST & AMSTERD	RCRA-CESQG, NJ MANIFEST, NJ MANIFEST	Higher	154, 0.029, WNW
<a href="#">D16</a>	W. 108TH ST & AMSTER	W. 108TH ST & AMSTER	NY Spills	Higher	154, 0.029, WNW
<a href="#">D17</a>	200 WEST 108TH ST/MA	200 WEST 108TH STREE	NY LTANKS	Higher	158, 0.030, WNW
<a href="#">D18</a>	200 WEST 108TH STREE	200 WEST 108TH STREE	NY AST, NY HIST AST	Higher	158, 0.030, WNW
<a href="#">D19</a>	WEST 108 ST / AMSTER	W. 108TH ST / AMSTER	NY Spills	Higher	158, 0.030, WNW
<a href="#">D20</a>	VAULT 5176	W108TH ST/AMSTERDAM	NY Spills	Higher	158, 0.030, WNW
<a href="#">B21</a>	APART	107 WEST 109TH STREE	NY LTANKS	Lower	160, 0.030, East
<a href="#">B22</a>	107 W 109TH ST	107 WEST 109TH STREE	NY AST	Lower	160, 0.030, East
<a href="#">E23</a>	MAN HOLE #17969	103 WEST 108TH ST	NY Spills	Lower	162, 0.031, ESE
<a href="#">D24</a>	201 WEST 108 STREET	201 WEST 108TH STREE	NY AST, NY HIST AST	Higher	174, 0.033, WNW
<a href="#">C25</a>	MANHAOLE 60621	W 109TH ST & AMSTERD	NY Spills	Higher	189, 0.036, NNW
<a href="#">B26</a>		980 COLUMBUS AVE	EDR US Hist Auto Stat	Lower	192, 0.036, ESE
<a href="#">D27</a>	BASEMENT FLOOR	175 W 107TH ST	NY Spills	Higher	193, 0.037, West
<a href="#">D28</a>		961 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	193, 0.037, West
<a href="#">D29</a>	DYNASTY CLEANERS	961 AMSTERDAM AVE	NY DRYCLEANERS, US AIRS	Higher	193, 0.037, West
<a href="#">D30</a>	CON EDISON MANHOLE 2	W 109TH ST & AMSTERD	RCRA NonGen / NLR, NY MANIFEST	Higher	194, 0.037, NNW
<a href="#">D31</a>	LEAKING SWITCH	109TH ST/AMSTERDAM A	NY Spills	Higher	194, 0.037, NNW
<a href="#">C32</a>	W 110TH ST SUBSTATIO	1001 AMSTERDAM AVE	NY Spills	Higher	195, 0.037, NNW
<a href="#">E33</a>	NYNEX	108TH ST/COLUMBUS AV	NY MANIFEST	Lower	197, 0.037, ESE
<a href="#">D34</a>	204 WEST 108TH STREE	204 WEST 108TH STREE	NY AST, NY HIST AST	Higher	199, 0.038, WNW
<a href="#">E35</a>		981 COLUMBUS AVE	EDR US Hist Cleaners	Lower	201, 0.038, ESE
<a href="#">C36</a>	WEST 110 SUBSTATION	110 STREET	NY Spills	Higher	203, 0.038, NNW
<a href="#">D37</a>	201 WEST 109 STREET	201 W 109 ST.	NY AST	Higher	204, 0.039, NNW
<a href="#">D38</a>	203-09 WEST 109TH ST	203 WEST 109TH STREE	NY AST	Higher	218, 0.041, NNW

MAPPED SITES SUMMARY

Target Property Address:  
103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D39	TINA CLEANERS INC.	984 AMSTERDAM AVE	NY DRYCLEANERS	Higher	220, 0.042, NW
D40	PROYOUNGSUN CLEANERS	982 AMSTERDAM AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	220, 0.042, NW
B41	CON EDISON - MANHOLE	W 109 ST & COLUMBUS	RCRA-LQG, NJ MANIFEST, NJ MANIFEST	Lower	222, 0.042, East
B42	WEST 109TH ST & COLU	W.109TH ST & COLUMBU	NY Spills	Lower	222, 0.042, East
B43	CON EDISON - MANHOLE	W 109 ST AND COLUMBU	RCRA-LQG, NJ MANIFEST, NJ MANIFEST	Lower	222, 0.042, East
D44	204-06 WEST 109TH ST	204-06 WEST 109TH ST	NY AST, NY HIST AST	Higher	228, 0.043, NNW
D45	209 WEST 108TH ST.,	209 WEST 108TH STREE	NY AST	Higher	233, 0.044, WNW
D46	203-219 W 109TH ST	205 WEST 109TH ST	NY AST, NY HIST AST	Higher	233, 0.044, NNW
D47	964 AMSTERDAM AVE	964 AMSTERDAM AVENUE	NY AST	Higher	248, 0.047, West
D48	LOT 3,TAXBLOCK 1862	965 AMSTERDAM AVENUE	NY E DESIGNATION	Higher	254, 0.048, West
D49	965 AMSTERDAM AVENUE	965 AMSTERDAM AVENUE	NY AST, NY HIST AST	Higher	254, 0.048, West
B50		1021 COLUMBUS AVE	EDR US Hist Auto Stat	Lower	259, 0.049, East
F51	BEACON 109 207-209 L	209 WEST 109TH STREE	NY AST	Higher	263, 0.050, NNW
E52		971 COLUMBUS AVE	EDR US Hist Cleaners	Lower	267, 0.051, SE
G53	PADDED WAGON MOVERS	120 W 107TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	269, 0.051, SSE
H54	ELTA APARTMENTS INC	166 W 107TH ST	NY AST, NY HIST AST	Higher	269, 0.051, SW
H55	ELISEO CARREAR ELVIO	172 W 107 TH ST	NY AST, NY HIST AST	Higher	270, 0.051, SW
D56	212 WEST 108 STREET	212 WEST 108TH STREE	NY AST	Higher	271, 0.051, WNW
C57	WEST 110TH ST SUBSTA	100TH ST SUBSTATION	NY Spills	Higher	272, 0.052, NNE
C58	VAULT # 1	W 110TH ST SUBSTATIO	NY LTANKS	Higher	272, 0.052, NNE
C59	WEST 110 SUBSTATION	464 WEST 107TH STREE	NY Spills	Higher	272, 0.052, NNE
C60	SPILL NUMBER 0102245	W 110TH ST SUBSTATIO	NY Spills	Higher	272, 0.052, NNE
D61	APARTMENT BLDG.	963 AMSTERDAM AVE.	NY Spills	Higher	277, 0.052, West
D62	963 AMSTERDAM AVE	963 AMSTERDAM AVE	NY AST	Higher	277, 0.052, West
F63	WEST 109 PORTFOLIO,	211 WEST 109TH STREE	NY AST	Higher	278, 0.053, NNW
D64	216 WEST 108TH ST	216 WEST 108TH STREE	NY AST	Higher	289, 0.055, WNW
F65		212 W 109TH ST	EDR US Hist Auto Stat	Higher	290, 0.055, NNW
I66	MANHOLE 24535	WEST 107TH/AMSTERDAM	NY Spills	Higher	306, 0.058, West
E67	NYC BD OF ED - IS 54	103 W 107TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	307, 0.058, SSE
E68	I.S. 54	103 WEST 107TH STREE	NY AST, NY HIST AST	Lower	307, 0.058, SSE
I69	CON EDISON MANHOLE 2	W 107TH ST & AMSTERD	RCRA NonGen / NLR, NY MANIFEST	Higher	309, 0.059, West
F70	215 WEST 109TH ST/MA	215 WEST 109TH STREE	NY Spills	Higher	311, 0.059, NNW
F71	215-109 ASSOC.	215 W 109TH STREET	NY AST	Higher	311, 0.059, NNW
D72	201 WEST 107TH STREE	201 WEST 107TH STREE	NY AST, NY HIST AST	Higher	311, 0.059, West
G73	JEWISH HOME & HOSPIT	102 W 107TH ST	RCRA NonGen / NLR, FINDS	Lower	315, 0.060, SSE
D74	218 W 108	218 WEST 108TH ST	NY Spills	Higher	317, 0.060, WNW
E75	MANHOLE 30749	WEST 107 ST COLUMBUS	NY Spills	Lower	325, 0.062, SE
E76		961 COLUMBUS AVE	EDR US Hist Cleaners	Lower	327, 0.062, SE
G77	PINNACLE AMSTERDAM L	961 COLUMBUS AVE	NY AST	Lower	328, 0.062, SE

MAPPED SITES SUMMARY

Target Property Address:  
103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
D78	SPILL NUMBER 0312458	220 WEST 108TH STREE	NY LTANKS	Higher	336, 0.064, WNW
I79	HIRTH REAL ESTATE	202 W 107 ST	NY AST, NY HIST AST	Higher	337, 0.064, West
I80	SPILL NUMBER 0313925	205 WEST 107 ST	NY Spills	Higher	337, 0.064, West
I81	205 W. 107TH ST	205 W. 107TH ST	NY Spills	Higher	337, 0.064, West
I82	EMPIRE STATE OIL CO.	205 WEST 107 ST	NY Spills	Higher	337, 0.064, West
I83	APT BLDG MICHAEL ROS	203 W 107 ST	NY AST, NY HIST AST	Higher	337, 0.064, West
E84	72 WEST 108TH STREET	72 WEST 108TH STREET	NY AST, NY HIST AST	Lower	342, 0.065, ESE
F85		1012 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	350, 0.066, North
B86	CATHEDRAL PARKWAY TO	424 CATHEDRAL PARKWA	NY AST, NY HIST AST	Lower	352, 0.067, ENE
B87	TULIP APARTMENTS INC	412 WEST 110TH ST	NY AST, NY HIST AST	Lower	356, 0.067, ENE
88	CON EDISON SERVICE B	446 CATHEDRAL PKWY F	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	358, 0.068, NE
B89		410 W 110TH ST	EDR US Hist Cleaners	Lower	359, 0.068, ENE
B90	MORNINGSIDE HOUSING	410 CATHEDRAL PARKWA	NY AST	Lower	359, 0.068, ENE
C91	WEST 110TH ST SUBSTA	464 WEST 110TH ST	NY Spills	Higher	361, 0.068, NNE
C92	CON ED SUB STATION	464 WEST 110TH STREE	NY Spills	Higher	361, 0.068, NNE
C93	WEST 110 TH SUBSTATI	460 WEST 110TH ST	NY Spills	Higher	362, 0.069, NNE
C94	WEST 110 ST SUBSTATI	464 W 110TH STREET	NY Spills	Higher	363, 0.069, NNE
C95	ROADWAY	IFO 464 W 110TH ST	NY Spills	Higher	363, 0.069, NNE
C96	WEST 110 ST SUBSTATI	464 WEST 110 STREET	NY Spills	Higher	363, 0.069, NNE
C97	STREET	464 WEST 110TH STREE	NY Spills	Higher	363, 0.069, NNE
C98	CON EDISON - WEST 11	464 W 110TH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	363, 0.069, NNE
C99	WEST 110TH ST SUBSTA	464 WEST 110TH STREE	NY LTANKS, NY Spills	Higher	363, 0.069, NNE
C100	110TH STREET SUBSTAT	464 W. 110 STREET	NY Spills	Higher	363, 0.069, NNE
C101	WEST 110 ST S/S. POT	464 WEST 110 STREET.	NY Spills	Higher	363, 0.069, NNE
C102	W 110 ST S/S. XFMR #	464 WEST 110 STREET	NY Spills	Higher	363, 0.069, NNE
I103	JEOMILL REALTY CORP	207-209 W 107 ST	NY AST, NY HIST AST	Higher	363, 0.069, West
I104	G. RUGGIERI	955 AMSTERDAM AVE AK	NY AST, NY HIST AST	Higher	366, 0.069, WSW
D105	ASCENSION SCHOOL	224 W 108 ST	NY UST, NY HIST UST	Higher	371, 0.070, WNW
C106	CON EDISON SERVICE B	473 CATHEDRAL PKWY F	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	376, 0.071, NNE
F107	WEST 109 PORTFOLIO,	223 WEST 109TH STREE	NY AST	Higher	376, 0.071, NW
F108	VAULT 6400	OPP 1012 AMSTERDAM A	NY Spills	Higher	381, 0.072, NNW
I109	K R F MANAGEMENT CO	210 WEST 107TH STREE	NY AST, NY HIST AST	Higher	389, 0.074, West
110	COLUMBUS AVE & 110TH	COLUMBUS AVE & 110TH	NY Spills	Lower	393, 0.074, ENE
I111	211 W 107 STREET COR	211 W 107 STREET	NY UST, NY HIST UST, NY AST, NY HIST AST	Higher	393, 0.074, West
F112	W 110 ST SUBSTATION	W 110TH ST & AMSTERD	NY Spills	Higher	400, 0.076, North
F113	MANHOLE #60415	WEST 110TH ST/AMSTER	NY Spills	Higher	404, 0.077, North
F114	CONSOLIDATED EDISON	W110 ST & AMSTERDAM	NY MANIFEST	Higher	405, 0.077, North
F115	214109; 110TH ST AND	110TH ST AND AMSTERD	NY Spills	Higher	405, 0.077, North
F116	ROADWAY	500 WEST 110 STREET	NY Spills	Higher	411, 0.078, North

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103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

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F117	ARNLIE REALTY CO LLC	500 WEST 110TH STREE	NY AST	Higher	411, 0.078, North
G118	953 COLUMBUS HOLDING	953 COLUMBUS AVENUE	NY AST	Lower	414, 0.078, SSE
G119	953 COLUMBUS AVENUE/	953 COLUMBUS AVENUE	NY Spills	Lower	414, 0.078, SSE
F120	JOHN KLEIN BUILDING	229 WEST 109TH ST	NY Spills	Higher	426, 0.081, NW
F121	229 W 109 RLTY CORP	229 W 109 ST	NY AST, NY HIST AST	Higher	426, 0.081, NW
G122	951 COLUMBUS AVENUE	951 COLUMBUS AVENUE	NY AST	Higher	440, 0.083, SSE
J123	70 WEST 108TH STREET	70 WEST 108TH STREET	NY AST	Lower	452, 0.086, ESE
F124	509 CATHEDRAL PKWY	509 CATHEDRAL PKWY	NY AST, NY HIST AST	Higher	453, 0.086, NNW
K125	235 WEST 108TH ST OW	235 WEST 108TH STREE	NY AST, NY HIST AST	Higher	462, 0.087, WNW
I126	CO-OP BUILDING	220 WEST 107TH STREE	NY LTANKS	Higher	465, 0.088, West
I127	APT BLD	220 WEST 107TH STREE	NY LTANKS	Higher	465, 0.088, West
F128	NYC BD OF ED - PUBLI	234 W 109TH ST	RCRA-CESQG, ICIS, FINDS, NY MANIFEST	Higher	468, 0.089, NW
F129	PUBLIC SCHOOL 165 -	234 WEST 109TH STREE	NY AST	Higher	468, 0.089, NW
F130	WEST 109 PORTFOLIO,	235 WEST 109TH STREE	NY AST	Higher	470, 0.089, NW
F131	235 WEST 109TH ST/MA	235 WEST 109TH STREE	NY Spills	Higher	470, 0.089, NW
I132		944 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	471, 0.089, WSW
F133	CATHEDRAL TOWER	514 WEST 110TH STREE	NY AST	Higher	474, 0.090, NNW
I134	CASMA REALTY CORP	947 AMSTERDAM AV	NY AST, NY HIST AST	Higher	475, 0.090, WSW
F135	515 CATHEDRAL PKWY	515 CATHEDRAL PKWY	NY AST, NY HIST AST	Higher	482, 0.091, NNW
I136	ASCENSION CHURCH REC	221 W 107TH ST	NY AST, NY HIST AST	Higher	484, 0.092, West
I137	CON EDISON SERVICE B	221 W 107TH ST	RCRA NonGen / NLR, NY MANIFEST, NY MANIFEST	Higher	484, 0.092, West
I138	ASCENSION CHURCH	221 WEST 107TH ST	NY LTANKS, NY Spills	Higher	484, 0.092, West
I139	CHURCH	221 W 107TH ST	NY Spills	Higher	484, 0.092, West
J140	JODANI ASSOCIATES	68 WEST 107TH STREET	NY AST	Lower	488, 0.092, SE
L141	EJ'S BUCKET BUDDIES	947 COLUMBUS AVE	NY AST	Higher	492, 0.093, SSE
F142	237 W 109TH ST OWNER	237 W 109TH ST	NY AST, NY HIST AST	Higher	495, 0.094, NW
J143	66 W 109 ST	66 W 109 ST	NY AST, NY HIST AST	Lower	496, 0.094, ESE
J144	66-70 WEST 109TH STR	66 WEST 109TH STREET	NY AST	Lower	496, 0.094, ESE
F145	520 WEST 110TH CONDO	520 WEST 110TH ST	NY AST	Higher	500, 0.095, NNW
F146	520 WEST 110TH CONDO	520 WEST 110TH ST	NY HIST AST, NY Spills	Higher	500, 0.095, NNW
I147	NYCHA - AUDUBON BETH	945 AMSTERDAM AVE	RCRA NonGen / NLR, FINDS	Higher	502, 0.095, WSW
J148	APARTMENT BLDG	64 WEST 107TH ST	NY Spills	Lower	510, 0.097, SE
J149	SUEHAR ASSOCIATES	64 WEST 107TH STREET	NY AST	Lower	510, 0.097, SE
K150	241 W 108 ST	241 W 108 ST	NY AST	Higher	510, 0.097, WNW
M151	CON EDISON	64 W 109 ST	NY MANIFEST	Lower	513, 0.097, ESE
L152	942 COLUMBUS AV	942 COLUMBUS AV	NY AST, NY HIST AST	Higher	515, 0.098, SSE
L153	CLE CLEANER	942 COLUMBUS AVE	RCRA NonGen / NLR, FINDS	Higher	515, 0.098, SSE
I154	940 AMSTERDAM AVENUE	940 AMSTERDAM AVENUE	NY AST, NY HIST AST	Higher	515, 0.098, WSW
N155	110 HOLDING CORP	501 W 110TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	521, 0.099, NNW

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<a href="#">N156</a>	501 CATHEDRAL PARKWA	501 CATHEDRAL PARKWA	NY AST, NY HIST AST	Higher	521, 0.099, NNW
<a href="#">N157</a>		1020 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	521, 0.099, NNW
<a href="#">I158</a>	943 AMSTERDAM AVE HD	943 AMSTERDAM AVE	NY AST	Higher	530, 0.100, WSW
<a href="#">O159</a>	161 WEST 106TH STREE	161 WEST 106TH STREE	NY AST, NY HIST AST	Higher	540, 0.102, SSW
<a href="#">O160</a>	153 WEST 106TH STREE	153 WEST 106TH STREE	NY AST, NY HIST AST	Higher	540, 0.102, SSW
<a href="#">O161</a>	MANHATTAN WEST ASSOC	135 WEST 106TH STREE	NY AST	Higher	540, 0.102, South
<a href="#">L162</a>	115 WEST 106TH STREE	115 WEST 106TH STREE	NY AST	Higher	542, 0.103, South
<a href="#">P163</a>	243 W 109TH STREET	243 WEST 109TH STREE	NY AST, NY HIST AST	Higher	543, 0.103, NW
<a href="#">L164</a>	CITY OF N.Y DEPT OF	111 W 106TH ST	NY AST	Higher	546, 0.103, South
<a href="#">L165</a>	CON EDISON MANHOLE:	111 W 106TH ST W OF	RCRA-CESQG, NY MANIFEST	Higher	546, 0.103, South
<a href="#">L166</a>	CON EDISON SERVICE B	111 W 106TH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	546, 0.103, South
<a href="#">L167</a>		111 W 106TH ST	EDR US Hist Auto Stat	Higher	546, 0.103, South
<a href="#">Q168</a>	APRT	230 WEST 107TH STREE	NY LTANKS	Higher	548, 0.104, West
<a href="#">Q169</a>	K R F MANAGEMENT CO	230 WEST 107 STREET	NY AST, NY HIST AST	Higher	548, 0.104, West
<a href="#">N170</a>	THE BRITAINIA CONDO	527 WEST 110TH STREE	NY AST, NY HIST AST	Higher	548, 0.104, NNW
<a href="#">N171</a>	RESIDENCE	527 W. 110TH ST	NY Spills	Higher	548, 0.104, NNW
<a href="#">N172</a>	BRITANINA CONDO'S	527 WEST 110TH ST	NY LTANKS	Higher	548, 0.104, NNW
<a href="#">L173</a>	109 WEST 106TH STREE	109 WEST 106TH STREE	NY AST	Higher	549, 0.104, South
<a href="#">O174</a>	PNINA REALTY ASSOCIA	160 WEST 106TH STREE	NY AST, NY HIST AST	Higher	549, 0.104, SSW
<a href="#">O175</a>	LOT 57,TAXBLOCK 1860	156 WEST 106 STREET	NY E DESIGNATION	Higher	550, 0.104, SSW
<a href="#">L176</a>	VAULT 1262	120 WEST 106TH STREE	NY LTANKS, NY Spills	Higher	550, 0.104, South
<a href="#">L177</a>	JEWISH HOME & HOSPIT	120 WEST 106TH STREE	NY LTANKS, NY UST, NY HIST UST, NY AST, NY Spills	Higher	550, 0.104, South
<a href="#">L178</a>	JEWISH HOME & HOSPIT	120 W 106TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	550, 0.104, South
<a href="#">J179</a>	219446; 193 MANHATTA	193 MANHATTAN AVENUE	NY Spills	Lower	552, 0.105, ESE
<a href="#">J180</a>	193 MANHATTAN AVE	193 MANHATTAN AVE	NY Spills	Lower	552, 0.105, ESE
<a href="#">J181</a>	NY TELEPHONE DBA VER	193 MANHATTAN AVE	RCRA-SQG, FINDS, NY TANKS, NY MANIFEST, NY...	Lower	552, 0.105, ESE
<a href="#">L182</a>	107 W. 106TH STREET	107 W. 106TH STREET	NY Spills	Higher	553, 0.105, South
<a href="#">J183</a>	CON EDISON MANHOLE 1	67 W 107TH ST	RCRA NonGen / NLR, NY MANIFEST, NY MANIFEST	Lower	553, 0.105, SE
<a href="#">P184</a>	244 WEST 109 STREET	244 WEST 109 STREET	NY AST	Higher	557, 0.105, NW
<a href="#">K185</a>	APARTMENT BUILDING	246 WEST 108TH STREE	NY LTANKS, NY Spills	Higher	564, 0.107, WNW
<a href="#">K186</a>	246 W. 108TH , LLC	246 W. 108TH ST.	NY Spills	Higher	564, 0.107, WNW
<a href="#">K187</a>	246 WEST 108TH, LLC	246 WEST 108TH STREE	NY AST	Higher	564, 0.107, WNW
<a href="#">N188</a>	504-516 WEST 110TH S	510 WEST 110TH ST	NY Spills	Higher	568, 0.108, North
<a href="#">N189</a>	AMHERST-CORTLAND & C	504-510 WEST 110TH S	NY AST	Higher	568, 0.108, North
<a href="#">N190</a>	ASHLAND ENV - AMHERS	504-510 W 110TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	568, 0.108, North
<a href="#">R191</a>	936 AMSTERDAM AVE IN	201 WEST 106TH STREE	NY AST	Higher	569, 0.108, WSW
<a href="#">P192</a>	247 WEST 109TH STREE	247 WEST 109TH STREE	NY AST, NY HIST AST	Higher	576, 0.109, NW
<a href="#">R193</a>	934 AMSTERDAM AVE	934 AMSTERDAM AVE	NY AST	Higher	577, 0.109, WSW
<a href="#">R194</a>		200 W 106TH ST	EDR US Hist Cleaners	Higher	578, 0.109, WSW

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 103-107 AND 143-159 WEST 108TH STREET  
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L195	CON EDISON	W 106 ST & COLUMBUS	NY MANIFEST	Higher	579, 0.110, SSE
L196	CON EDISON MANHOLE:	W 106TH ST & COLUMBU	RCRA-CESQG, NY MANIFEST	Higher	579, 0.110, SSE
L197	CON EDISON GAS MAIN:	COLUMBUS AVE & W 106	RCRA-CESQG, NY MANIFEST	Higher	579, 0.110, SSE
J198	63-67 WEST 107TH STR	63 WEST 107TH STREET	NY AST, NY HIST AST	Lower	584, 0.111, SE
L199	106 AT AND COLUMBUS	106 ST AND COLUMBUS	NY Spills	Higher	585, 0.111, SSE
L200	I/A/O WEST 106TH ST	WEST 106TH ST & COLU	NY Spills	Higher	585, 0.111, SSE
L201	CONSOLIDATED EDISON	106TH ST & COLUMBUS	NY MANIFEST	Higher	585, 0.111, SSE
L202	MANHOLE # 30740	WEST 106TH STREET/CO	NY Spills	Higher	585, 0.111, SSE
R203	CONSOLIDATED EDISON	204 W. 106 ST	NY MANIFEST	Higher	592, 0.112, WSW
O204	RESIDENCE	160 W.106TH ST	NY Spills	Higher	596, 0.113, SW
N205	MARSID REALTY CO	535 WEST 110TH STREE	NY AST, NY HIST AST	Higher	599, 0.113, NNW
R206	206 WEST 106 STREET	206 WEST 106 STREET	NY AST, NY HIST AST	Higher	601, 0.114, WSW
Q207	233-35 WEST 107TH ST	233-35 WEST 107TH ST	NY AST, NY HIST AST	Higher	604, 0.114, West
P208	514 WEST 110TH ST	514 WEST 110TH ST	NY Spills	Higher	612, 0.116, NNW
R209		932 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	613, 0.116, WSW
M210	SPILL NUMBER 0210330	360 CATHEDRAL PARKWA	NY Spills	Lower	619, 0.117, East
Q211	235 WEST 107TH STREE	235 W. 107TH STREET	NY AST	Higher	625, 0.118, West
M212	LOT 52,TAXBLOCK 1844	209 MANHATTAN AVENUE	NY E DESIGNATION	Lower	635, 0.120, ESE
J213	NYNEX - 108TH ST	108TH ST & MANHATTAN	NY Spills	Lower	639, 0.121, ESE
J214	CON EDISON	W 108TH ST & MANHATT	RCRA-CESQG, NJ MANIFEST, NJ MANIFEST	Lower	639, 0.121, ESE
R215	SPILL NUMBER 9713191	207 WEST 106TH STREE	NY Spills	Higher	640, 0.121, WSW
R216	207 W 106TH ST	207 WEST 106TH STREE	NY AST	Higher	640, 0.121, WSW
L217		932 COLUMBUS AVE	EDR US Hist Cleaners	Higher	642, 0.122, SSE
K218	255 WEST 108 STREET	255 WEST 108 STREET	NY AST, NY HIST AST	Higher	643, 0.122, WNW
K219	BLDG	255 W 108TH ST	NY Spills	Higher	643, 0.122, WNW
J220	CON EDISON SERVICE B	204 MANHATTAN AVE FR	RCRA NonGen / NLR, NY MANIFEST	Lower	644, 0.122, ESE
J221	194/8 MANHATTAN AV	194/8 MANHATTAN AV	NY AST, NY HIST AST	Lower	644, 0.122, ESE
Q222	WEST SIDE INN	237 WEST 107TH STREE	NY AST, NY HIST AST	Higher	646, 0.122, West
M223	CON EDISON GAS MAIN	MANHATTAN AVE & W 10	RCRA NonGen / NLR, NY MANIFEST	Lower	647, 0.123, ESE
Q224	237 W 107TH STREET	237 EAST 107TH STREE	NY Spills	Higher	647, 0.123, West
K225	SAMJO REALTY CORP.	226 W 108 ST.	NY AST, NY HIST AST	Higher	652, 0.123, WNW
N226	CHEMICAL BANK	543 CATHEDRAL PARKWA	NY AST, NY HIST AST	Higher	652, 0.123, NNW
P227	TRUSTEES OF COLUMBIA	257-263 WEST 109 ST	NY AST	Higher	660, 0.125, NW
N228	HARMONY HALL	544 WEST 110TH STREE	NY AST, NY HIST AST	Higher	660, 0.125, NNW
N229	CON EDISON SERVICE B	111-113 W 96TH ST &	RCRA NonGen / NLR, FINDS	Higher	663, 0.126, North
S230	153 MANHATTAN AVENUE	161 MANHATTAN AVENUE	NY AST	Lower	668, 0.127, SE
N231	504 W 111 OWNERS COR	504 WEST 111ST ST	NY AST	Higher	671, 0.127, North
P232		258 W 109TH ST	EDR US Hist Cleaners	Higher	675, 0.128, NW
N233	ST. JOHN COURT	500 WEST 111TH ST	NY AST	Higher	681, 0.129, North

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R234	AMSTERDAM PORTFOLIO	931 AMSTERDAM AVENUE	NY AST	Higher	688, 0.130, WSW
S235	CONSOLIDATED EDISON	155 MANHATTAN	NY MANIFEST	Lower	688, 0.130, SE
N236	BLENNERHASSET CORP	507 WEST 111TH ST	NY AST	Higher	689, 0.130, North
R237	PROVARC CO. INC.	930 AMSTERDAM AVENUE	NY AST	Higher	691, 0.131, WSW
S238	CON EDISON SERVICE B	MANHATTAN AVE & 107T	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	693, 0.131, SE
L239	928 COLUMBUS HOLDING	928 COLUMBUS AVENUE	NY AST	Higher	698, 0.132, South
S240		150 MANHATTAN AVE	EDR US Hist Cleaners	Lower	700, 0.133, SE
L241	931-33 COLUMBUS AVEN	931 COLUMBUS AVENUE	NY AST	Higher	701, 0.133, South
T242	211 W 106TH ST	211 WEST 106TH STREE	NY AST	Higher	707, 0.134, West
N243	SHERER REALTY CORP I	513-515 WEST 111TH S	NY AST, NY HIST AST	Higher	707, 0.134, North
M244	CON EDISON	W 110TH ST & MANHATT	RCRA NonGen / NLR	Lower	713, 0.135, East
L245	THE STERLING GROUP,	929 COLUMBUS AVENUE	NY AST	Higher	714, 0.135, South
R246	929 AMSTERDAM AVE	929 AMSTERDAM AVENUE	NY AST	Higher	716, 0.136, SW
N247	TRUSTEES OF COLUMBIA	518 WEST 111TH STREE	NY UST, NY HIST UST	Higher	719, 0.136, North
R248	926 AMSTERDAM AVE	926 AMSTERDAM AVENUE	NY AST	Higher	722, 0.137, SW
Q249	107 WEST APARTMENT C	245 WEST 107TH ST	NY AST	Higher	730, 0.138, WNW
L250	926 COLUMBUS AVENUE	926 COLUMBUS AVE	NY AST	Higher	732, 0.139, South
N251	TRUSTEES OF COLUMBIA	521 WEST 111TH STREE	NY AST, NY HIST AST	Higher	736, 0.139, North
N252	B M I REALTY CO	526 WEST 111TH STREE	NY AST	Higher	739, 0.140, North
U253	RSP REALTY LLC	65 W 106 STREET	NY AST, NY HIST AST	Lower	739, 0.140, SSE
S254		147 MANHATTAN AVE	EDR US Hist Cleaners	Lower	753, 0.143, SE
V255	CON EDISON SERVICE B	927 COLUMBUS AVE FRO	RCRA NonGen / NLR, NY MANIFEST	Higher	757, 0.143, South
V256	927 COLUMBUS AVENUE	927 COLUMBUS AVENUE	NY AST	Higher	757, 0.143, South
W257	CATHEDRAL OF SAINT J	1047 AMSTERDAM AVE	RCRA-SQG, NJ MANIFEST, NJ MANIFEST	Higher	757, 0.143, North
S258	3-7 WEST 108TH REALT	7 WEST 108TH STREET	NY AST	Lower	760, 0.144, SE
N259	528 WEST OWNERS CORP	528 WEST 111TH ST	NY AST, NY HIST AST	Higher	761, 0.144, North
U260	61- W 106 ST REALTY	61-63 WEST 106TH STR	NY AST	Lower	768, 0.145, SSE
S261	3-5 WEST 108 ST LLC	3-5 & 7-9 WEST 108TH	NY AST	Lower	768, 0.145, ESE
N262	TRUSTEES OF COLUMBIA	529 WEST 111TH STREE	NY AST, NY HIST AST	Higher	769, 0.146, North
X263		560 W 110TH ST	EDR US Hist Cleaners	Higher	774, 0.147, NNW
V264		922 COLUMBUS AVE	EDR US Hist Cleaners	Higher	783, 0.148, South
V265	M BROTHERS INC.	925 COLUMBUS AVENUE	NY AST, NY HIST AST	Higher	785, 0.149, South
Y266	250 MANHATTAN AVENUE	250 MANHATTAN AVENUE	NY AST	Lower	788, 0.149, East
U267	MARC REALTY CO	56 WEST 106TH STREET	NY AST	Lower	795, 0.151, SSE
Z268	TRUSTEES OF COLUMBIA	535 WEST 111TH STREE	NY AST, NY HIST AST	Higher	798, 0.151, NNW
T269	RESIDENTIAL APARTMEN	238 WEST 106TH STREE	NY AST, NY HIST AST	Higher	798, 0.151, West
Z270	536 WEST 111TH STREE	536 WEST 111TH STREE	NY AST	Higher	799, 0.151, NNW
U271	MANHATTAN VENTURA LL	53-57 W 106 STREET	NY AST, NY HIST AST	Lower	814, 0.154, SSE
AA272	157-161 WEST 105TH S	157-161 WEST 105TH S	NY AST	Higher	820, 0.155, SSW

MAPPED SITES SUMMARY

Target Property Address:  
103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">AA273</a>	145 WEST 105 ST	145 WEST 105 ST	NY AST, NY HIST AST	Higher	820, 0.155, SSW
<a href="#">AA274</a>	145-147 WEST 105TH S	145-147 WEST 105 ST	NY AST, NY HIST AST	Higher	820, 0.155, SSW
<a href="#">V275</a>	JEWISH HOSPITAL FOR	121 WEST 105TH STREE	NY LTANKS, NY Spills	Higher	821, 0.155, South
<a href="#">Y276</a>	258 MANHATTAN AVENUE	258 MANHATTAN AVENUE	NY AST, NY HIST AST	Lower	822, 0.156, East
<a href="#">U277</a>	51 WEST 106 STREET	51 WEST 106TH STREET	NY AST	Lower	827, 0.157, SSE
<a href="#">AA278</a>	NYC BD OF ED - PUBLI	150 W 105TH ST	RCRA-SQG, FINDS, NY MANIFEST	Higher	830, 0.157, SSW
<a href="#">AA279</a>	P.S 145	150 WEST 105TH STREE	NY AST, NY HIST AST	Higher	830, 0.157, SSW
<a href="#">AA280</a>	GROSVENOR NEIGHBORHO	176 WEST 105TH STREE	NY AST	Higher	831, 0.157, SW
<a href="#">V281</a>	107 WEST 105 STREET	107 WEST 105TH STREE	NY AST	Higher	831, 0.157, South
<a href="#">V282</a>	120 W 105 ST	120 WEST 105 ST	NY AST, NY HIST AST	Higher	837, 0.159, South
<a href="#">AB283</a>	P & R EQUITIES INC	262 WEST 107TH ST	NY AST, NY HIST AST	Higher	837, 0.159, WNW
<a href="#">AC284</a>	JO & WO REALTY CORPP	201 WEST 105 STREET	NY AST, NY HIST AST	Higher	838, 0.159, SW
<a href="#">U285</a>		141 MANHATTAN AVE	EDR US Hist Auto Stat	Lower	842, 0.159, SSE
<a href="#">V286</a>		921 COLUMBUS AVE	EDR US Hist Auto Stat	Higher	842, 0.159, South
<a href="#">Z287</a>	545 WEST 111TH ST	545 WEST 111TH STREE	NY AST, NY HIST AST	Higher	848, 0.161, NNW
<a href="#">V288</a>	SIGMUND FOX	106 WEST 105TH STREE	NY AST, NY HIST AST	Higher	858, 0.162, South
<a href="#">U289</a>	CON EDISON	139 MANHATTAN AV	NY MANIFEST	Lower	862, 0.163, SSE
<a href="#">T290</a>	CON EDISON - SERVICE	219 W 106 ST.	RCRA-LQG, NY MANIFEST	Higher	866, 0.164, West
<a href="#">AC291</a>	212 WEST 105TH STREE	212 WEST 105TH ST	NY AST, NY HIST AST	Higher	884, 0.167, WSW
<a href="#">AC292</a>	215 WEST 105TH STREE	215 WEST 105TH STREE	NY AST	Higher	884, 0.167, WSW
<a href="#">T293</a>	CON EDISON	250 W 106 ST	NY MANIFEST	Higher	893, 0.169, West
<a href="#">AD294</a>	SPILL NUMBER 0104930	255 WEST 108TH ST	NY LTANKS	Higher	896, 0.170, WNW
<a href="#">Y295</a>	272 MANHATTAN AVE	272 MANHATTAN AVENUE	NY AST	Lower	903, 0.171, East
<a href="#">AE296</a>	CON EDISON	20 W 109 ST	NY MANIFEST	Lower	908, 0.172, ESE
<a href="#">AC297</a>	CON EDISON MANHOLE:	221 W 105TH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	913, 0.173, WSW
<a href="#">V298</a>		915 COLUMBUS AVE	EDR US Hist Cleaners	Higher	914, 0.173, South
<a href="#">W299</a>	CON EDISON SERVICE B	112-114 W 100TH ST &	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	917, 0.174, North
<a href="#">W300</a>	AMSTERDAM NURSING HO	1060 AMSTERDAM AVENU	NY UST, NY AST	Higher	926, 0.175, North
<a href="#">W301</a>	508 WEST 112TH STREE	508-510 WEST 112TH S	NY AST, NY HIST AST	Higher	927, 0.176, North
<a href="#">AE302</a>	17-19 WEST 108TH ST.	17-19 WEST 108TH STR	NY AST	Lower	936, 0.177, ESE
<a href="#">W303</a>	TRUSTEES OF COLUMBIA	512 WEST 112TH STREE	NY AST, NY HIST AST	Higher	937, 0.177, North
<a href="#">W304</a>	TRUSTEES OF COLUMBIA	509 WEST 112TH STREE	NY AST, NY HIST AST	Higher	938, 0.178, North
<a href="#">W305</a>	TRUSTEES OF COLUMBIA	511 WEST 112TH STREE	NY AST, NY HIST AST	Higher	942, 0.178, North
<a href="#">V306</a>	910 COLUMBUS AVE	910 COLUMBUS AVE	NY TANKS, NY HIST AST	Higher	951, 0.180, South
<a href="#">AF307</a>	69 WEST 105TH STREET	69 WEST 105TH STREET	NY AST, NY HIST AST	Higher	951, 0.180, SSE
<a href="#">AE308</a>	15 WEST 108 STREET	15 WEST 108TH STREET	NY AST	Lower	954, 0.181, ESE
<a href="#">AE309</a>	15 WEST 108 STREET	15 WEST 108TH STREET	NY HIST UST	Lower	954, 0.181, ESE
<a href="#">AB310</a>	CINEPLEX ODEON OLYMP	2770 BROADWAY	NY AST, NY HIST AST	Higher	955, 0.181, West
<a href="#">AG311</a>	229 W 105 ST	229 W 105 ST	NY AST, NY HIST AST	Higher	955, 0.181, WSW

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<a href="#">AB312</a>		2766 BROADWAY	EDR US Hist Cleaners	Higher	957, 0.181, West
<a href="#">AG313</a>	230 W 105 REALTY COR	230 WEST 105TH ST	NY AST	Higher	968, 0.183, WSW
<a href="#">W314</a>	TRUSTEES OF COLUMBIA	522 WEST 112TH STREE	NY AST, NY HIST AST	Higher	969, 0.184, North
<a href="#">W315</a>	TRUSTEES OF COLUMBIA	521 WEST 112TH STREE	NY AST, NY HIST AST	Higher	969, 0.184, North
<a href="#">V316</a>		911 COLUMBUS AVE	EDR US Hist Auto Stat	Higher	970, 0.184, South
<a href="#">X317</a>	532 WEST OWNERS CORP	532 WEST 111TH ST	NY AST, NY HIST AST	Higher	972, 0.184, NNW
<a href="#">AH318</a>	TRUSTEES OF COLUMBIA	523 WEST 112TH STREE	NY AST, NY HIST AST	Higher	978, 0.185, North
<a href="#">AE319</a>		12 W 109TH ST	EDR US Hist Auto Stat	Lower	980, 0.186, ESE
<a href="#">AB320</a>	CON EDISON	2788 BROADWAY	NY MANIFEST	Higher	983, 0.186, WNW
<a href="#">AD321</a>	301 WEST 108TH/300 W	301 WEST 108TH/300 W	NY AST	Higher	984, 0.186, WNW
<a href="#">AI322</a>	SOUTHERN BAPTIST CHU	12-16 WEST 108TH STR	NY AST, NY HIST AST	Lower	986, 0.187, ESE
<a href="#">AI323</a>	15 WEST 107TH STREET	15 WEST 107TH STREET	NY AST	Lower	989, 0.187, SE
<a href="#">AI324</a>	11 WEST 108 STREET	11 WEST 108TH STREET	NY AST	Lower	990, 0.188, ESE
<a href="#">AB325</a>	2790 BROADWAY OWNERS	2790 BROADWAY	NY AST, NY HIST AST	Higher	990, 0.188, WNW
<a href="#">AJ326</a>	CONSOLIDATED EDISON	2752 BROADWAY	NY MANIFEST	Higher	993, 0.188, West
<a href="#">Z327</a>	TRUSTEES OF COLUMBIA	530 WEST 112TH STREE	NY AST, NY HIST AST	Higher	996, 0.189, North
<a href="#">AJ328</a>	CON EDISON MANHOLE:	W 106TH ST & BROADWA	RCRA-CESQG	Higher	999, 0.189, West
<a href="#">AI329</a>	10-12 WEST 107TH STR	10-12 WEST 107 ST	NY AST	Lower	1002, 0.190, SE
<a href="#">AI330</a>	10 WEST 107 ST	10 WEST 107 ST	NY AST, NY HIST AST	Lower	1002, 0.190, SE
<a href="#">AF331</a>	MANHATTEN VALLEY MGM	58 WEST 105 ST	NY AST, NY HIST AST	Higher	1002, 0.190, SSE
<a href="#">AF332</a>	58 WEST 105 ST	58 WEST 105 ST	NY AST, NY HIST AST	Higher	1002, 0.190, SSE
<a href="#">AI333</a>	477 CENTRAL PARK WES	477 CENTRAL PARK WES	NY LTANKS, NY AST, NY HIST AST	Lower	1009, 0.191, ESE
<a href="#">AC334</a>	CON EDISON	906 AMSTERDAM AVE	NY MANIFEST	Higher	1013, 0.192, SW
<a href="#">Z335</a>	TRUSTEES OF COLUMBIA	533 WEST 112TH STREE	NY AST, NY HIST AST	Higher	1013, 0.192, North
<a href="#">AF336</a>	JHJ REALTY LLC	55 W 105TH ST	NY AST, NY HIST AST	Higher	1014, 0.192, SSE
<a href="#">AD337</a>	YAT SING CLEANERS	2808 BROADWAY	NY DRYCLEANERS	Higher	1016, 0.192, NW
<a href="#">AD338</a>		2808 BROADWAY	EDR US Hist Cleaners	Higher	1016, 0.192, NW
<a href="#">AD339</a>	YAT SING CLEANERS	2808 BROADWAY	RCRA NonGen / NLR, NY MANIFEST	Higher	1016, 0.192, NW
<a href="#">V340</a>	BIG BEAR, LLC (OWNER	101 WEST 104TH ST. (	NY AST	Higher	1016, 0.192, South
<a href="#">AG341</a>	CLOSED-LACKOF RECENT	218019 105TH AVE.	NY LTANKS	Higher	1019, 0.193, WSW
<a href="#">AK342</a>		467 CENTRAL PARK W	EDR US Hist Cleaners	Lower	1023, 0.194, SE
<a href="#">AK343</a>	THE 467 CONDOMINIUM	467 CENTRAL PARK WES	NY AST, NY HIST AST	Lower	1023, 0.194, SE
<a href="#">AJ344</a>	STAHL BROADWAY CO.	225 WEST 106TH STREE	NY AST, NY HIST AST	Higher	1036, 0.196, West
<a href="#">Z345</a>	TRUSTEES OF COLUMBIA	539 WEST 112TH STREE	NY AST, NY HIST AST	Higher	1036, 0.196, North
<a href="#">AI346</a>	CON EDISON	9 W 107 ST	NY MANIFEST	Lower	1041, 0.197, SE
<a href="#">AL347</a>	HARLEM VALLEY	282 MANHATTAN AVENUE	NY AST	Lower	1041, 0.197, ENE
<a href="#">AL348</a>	APARTMENT COMPLEX	282 MANHATTAN AVE	NY LTANKS	Lower	1041, 0.197, ENE
<a href="#">AB349</a>	KIM'S BROADWAY'S CLE	2785 BROADWAY	NY DRYCLEANERS	Higher	1043, 0.198, WNW
<a href="#">AB350</a>	NOAM ASSOCIATES	2785 BROADWAY	NY AST, NY HIST AST	Higher	1043, 0.198, WNW

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<a href="#">AB351</a>	KIMS DRY CLEANING ST	2785 BROADWAY	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1043, 0.198, WNW
<a href="#">Z352</a>	CON EDISON - SERVICE	542 W 112 STREET AND	RCRA-LQG, NJ MANIFEST, NJ MANIFEST	Higher	1044, 0.198, North
<a href="#">Z353</a>	TRUSTEES OF COLUMBIA	542 WEST 112TH STREE	NY AST, NY HIST AST	Higher	1044, 0.198, North
<a href="#">AM354</a>		904 COLUMBUS AVE	EDR US Hist Cleaners	Higher	1045, 0.198, South
<a href="#">AB355</a>		2783 BROADWAY	EDR US Hist Cleaners	Higher	1049, 0.199, WNW
<a href="#">AB356</a>		2785 BROADWAY	EDR US Hist Cleaners	Higher	1051, 0.199, WNW
<a href="#">AN357</a>		301 W 110TH ST	EDR US Hist Cleaners	Lower	1053, 0.199, East
<a href="#">AK358</a>	C S WEST 107TH STREE	6 WEST 107TH STREET	NY AST	Lower	1054, 0.200, SE
<a href="#">AJ359</a>		2753 BROADWAY	EDR US Hist Cleaners	Higher	1054, 0.200, West
<a href="#">AI360</a>	4-10 WEST 108TH ST	4-10 WEST 108TH STRE	NY AST	Lower	1057, 0.200, ESE
<a href="#">AK361</a>	21 WEST 106TH STREET	21 WEST 106TH STREET	NY AST	Lower	1060, 0.201, SE
<a href="#">AK362</a>	APT BLDG	21 W 106TH ST	NY LTANKS, NY Spills	Lower	1060, 0.201, SE
<a href="#">AI363</a>	BASEMENT 3 W. 108TH	3 W 108TH ST	NY LTANKS	Lower	1060, 0.201, ESE
<a href="#">AH364</a>	COLUMBIA UNIVERSITY	545 WEST 112TH STREE	NY LTANKS	Higher	1061, 0.201, North
<a href="#">AH365</a>	2880 BROADWAY	AKA 545 WEST 112TH S	NY AST	Higher	1061, 0.201, North
<a href="#">AE366</a>	SHAIQ VICTOR RESIDEN	480 PARK AVE APT 16A	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1063, 0.201, ESE
<a href="#">AE367</a>	447/448 CENTRAL PARK	447/448 CENTRAL PARK	NY HIST UST	Lower	1063, 0.201, ESE
<a href="#">AE368</a>	POTISMAN CLEANERS IN	480 PARK AVE - BASEM	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1063, 0.201, ESE
<a href="#">AE369</a>	480 PARK AVENUE CORP	480 PARK AVENUE	NY AST	Lower	1063, 0.201, ESE
<a href="#">AE370</a>	POTISMAN CLEANERS IN	480 PARK AVENUE	NY DRYCLEANERS	Lower	1063, 0.201, ESE
<a href="#">AJ371</a>		2751 BROADWAY	EDR US Hist Auto Stat	Higher	1063, 0.201, West
<a href="#">AC372</a>	CONSOLIDATED EDISON	904 AMSTERDAM ST	NY MANIFEST	Higher	1070, 0.203, SW
<a href="#">AJ373</a>		2749 BROADWAY	EDR US Hist Cleaners	Higher	1073, 0.203, West
<a href="#">AM374</a>	SHAW REALTY CO LLC	111-117 WEST 104TH S	NY TANKS, NY HIST AST	Higher	1078, 0.204, South
<a href="#">AK375</a>	13-19 DUKE ELLINGTON	17 WEST 106 STREET	NY AST	Lower	1081, 0.205, SE
<a href="#">AE376</a>	CONSOLIDATED EDISON	CENTRAL PK W & 109TH	NY MANIFEST	Lower	1083, 0.205, ESE
<a href="#">AE377</a>	CON EDISON SERVICE B	CENTRAL PARK WEST &	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1083, 0.205, ESE
<a href="#">AE378</a>	CON EDISION - MH2955	W.109 ST. AND C.P.W.	RCRA NonGen / NLR, NY MANIFEST	Lower	1083, 0.205, ESE
<a href="#">AE379</a>	485 CPW OWNERS CORPO	485 CENTRAL PARK WES	NY AST	Lower	1087, 0.206, ESE
<a href="#">AI380</a>		479 CENTRAL PARK W	EDR US Hist Auto Stat	Lower	1087, 0.206, ESE
<a href="#">AD381</a>	CON ED	2807 BROADWAY	NY MANIFEST	Higher	1089, 0.206, WNW
<a href="#">AD382</a>	300 WEST 108 OWNERS	300 WEST 108TH ST	NY AST, NY HIST AST	Higher	1093, 0.207, WNW
<a href="#">AD383</a>	300 WEST 108 OWNERS	300 W 108TH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1093, 0.207, WNW
<a href="#">AM384</a>	119 & 121 WEST 104TH	119 WEST 104TH STREE	NY AST	Higher	1094, 0.207, South
<a href="#">AK385</a>	D-E-B-H-D-F-C CO-OP.	15 WEST 106TH STREET	NY AST	Lower	1096, 0.208, SE
<a href="#">AO386</a>		2823 BROADWAY	EDR US Hist Cleaners	Higher	1098, 0.208, NW
<a href="#">AL387</a>	CONSOLIDATED EDISON	MANHATTAN AVE & W 11	NY MANIFEST	Lower	1099, 0.208, ENE
<a href="#">AP388</a>	CON EDISON - SERVICE	W 104 ST AND AMSTERD	RCRA-LQG, NJ MANIFEST, NJ MANIFEST	Higher	1101, 0.209, SW
<a href="#">AQ389</a>	BORAY ESTATES	300 W 107TH STREET	NY AST, NY HIST AST	Higher	1110, 0.210, WNW

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AK390	13 WEST 106 ST	13 WEST 106 ST	NY AST, NY HIST AST	Lower	1112, 0.211, SE
AK391	UPWEST LLC	471/473/473/474/475	NY AST, NY HIST AST	Lower	1119, 0.212, SE
AK392	JOBMAN 478/480 LP	478 CENTRAL PARK WES	NY AST	Lower	1119, 0.212, SE
AM393	CON EDISON - SERVICE	W 104 ST AND COLUMBU	RCRA-LQG, NJ MANIFEST, NJ MANIFEST	Higher	1119, 0.212, South
AO394	WOOLWORTH CORP	2831 BROADWAY	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1120, 0.212, NW
AP395	206 WEST 104TH ST	206 WEST 104TH ST	NY AST, NY HIST AST	Higher	1121, 0.212, SW
AP396	209 CONDOMINIUM	209 WEST 104TH STREE	NY UST, NY HIST UST	Higher	1122, 0.213, SW
AO397	RITE AID #4186	2833 BROADWAY	RCRA-LQG, NY MANIFEST	Higher	1126, 0.213, NW
AK398	CON EDISON	11 W 106TH ST	NY MANIFEST	Lower	1127, 0.213, SE
AJ399	248 W 105 ST	248 WEST 105TH STREE	NY AST	Higher	1127, 0.213, WSW
AJ400	CON EDISON SERVICE B	250 W 105TH	RCRA NonGen / NLR, NY MANIFEST	Higher	1135, 0.215, WSW
AJ401	HARLINGTON REALTY CO	250 WEST 105TH STREE	NY AST, NY HIST AST	Higher	1135, 0.215, WSW
AG402	CON EDISON	2730 BROADWAY	NY MANIFEST	Higher	1136, 0.215, WSW
AG403	CON EDISON SERVICE B	2730 BROADWAY	RCRA NonGen / NLR, NY MANIFEST	Higher	1136, 0.215, WSW
AO404	309 WEST 109TH STREE	309 WEST 109 STREET	NY AST, NY HIST AST	Higher	1137, 0.215, NW
AP405		896 AMSTERDAM AVE	EDR US Hist Cleaners	Higher	1137, 0.215, SW
AP406	DANI AMSTERDAM CLEAN	896 AMSTERDAM AVENUE	NY DRYCLEANERS	Higher	1137, 0.215, SW
AP407	DANI CLEANERS	896 AMSTERDAM AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1137, 0.215, SW
AM408	MANFAR ASSOCIATES	85 WEST 104TH STREET	NY AST, NY HIST AST	Higher	1143, 0.216, South
AL409	CON EDISON SERVICE B	312 W 112TH ST	RCRA NonGen / NLR, NY MANIFEST, NY MANIFEST	Lower	1146, 0.217, ENE
AM410	PARK WEST/COMMUNITY	83 W 104TH STREET #1	NY DRYCLEANERS	Higher	1147, 0.217, South
AM411		83 W 104TH ST	EDR US Hist Cleaners	Higher	1147, 0.217, South
AQ412	ABOVE GOUND TANK	949 WEST END AVE	NY LTANKS, NY Spills	Higher	1147, 0.217, West
AQ413	949 WEST END AVENUE	949 WEST END AVENUE	NY AST, NY HIST AST	Higher	1147, 0.217, West
AP414	216 W. 104 ST.	216 W. 104 ST.	NY AST	Higher	1147, 0.217, SW
AP415	US POSTAL SERVICE CA	215 W 104TH ST	RCRA-CESQG, NY MANIFEST	Higher	1148, 0.217, WSW
AP416	CATHEDRAL	215 WEST 104TH STREE	NY AST, NY HIST AST	Higher	1148, 0.217, WSW
AP417	CON EDISON	217 W 104 ST	NY MANIFEST	Higher	1159, 0.220, WSW
AO418	COLLEGE RESIDENCE CL	601 W. 110TH ST	NY AST	Higher	1161, 0.220, NW
AQ419	BIJU REALTY CO	945 WEST END AVENUE	NY AST, NY HIST AST	Higher	1162, 0.220, West
AR420	ST LUKES HOSP.	421 W 113TH ST	NY LTANKS	Higher	1164, 0.220, NE
AK421	APARTMENT HOUSE	461 CENTRAL PARK WES	NY AST, NY HIST AST	Lower	1169, 0.221, SE
AG422	V9791	219 W 104TH STREET	RCRA NonGen / NLR, NY MANIFEST	Higher	1170, 0.222, WSW
AG423	CON EDISON SERVICE B	2726 BROADWAY	RCRA NonGen / NLR, NY MANIFEST	Higher	1174, 0.222, WSW
AG424	LOT 17,TAXBLOCK 1876	2726 BROADWAY	NY MANIFEST, NY E DESIGNATION	Higher	1176, 0.223, WSW
AS425		224 W 104TH ST	EDR US Hist Cleaners	Higher	1177, 0.223, WSW
AT426	CON EDISON MANHOLE:	AMSTERDAM AVE & 113T	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1180, 0.223, NNE
AT427	ENGINE 47	502 WEST 113TH STREE	NY HIST UST, NY AST	Higher	1181, 0.224, NNE
AT428	ENGINE 47	502 WEST 113TH STREE	NY UST	Higher	1181, 0.224, NNE

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<a href="#">AR429</a>	CONSOLIDATED EDISON	W 113 ST & AMSTERDAM	NY MANIFEST	Higher	1183, 0.224, NNE
<a href="#">AU430</a>	CON EDISON SERVICE B	936 WESTEND AVE FRON	RCRA NonGen / NLR, NY MANIFEST	Higher	1184, 0.224, West
<a href="#">AG431</a>	CON EDISON	2731 BROADWAY	NY MANIFEST, NY E DESIGNATION	Higher	1185, 0.224, WSW
<a href="#">AT432</a>	TRUSTEES OF COLUMBIA	506 WEST 113TH STREE	NY AST, NY HIST AST	Higher	1187, 0.225, North
<a href="#">AT433</a>	CON EDISON	FO 501 W 113 ST	NY MANIFEST	Higher	1189, 0.225, NNE
<a href="#">AT434</a>	ST. LUKES ROOSEVELT	501 WEST 113TH STREE	NY AST	Higher	1189, 0.225, NNE
<a href="#">AM435</a>	NYCHA - DOUGLASS HOU	885 COLUMBUS AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1192, 0.226, South
<a href="#">AU436</a>	CON EDISON MANHOLE 5	WEST END AVE & W 106	RCRA NonGen / NLR, NY MANIFEST	Higher	1193, 0.226, West
<a href="#">AU437</a>	CON EDISON	WEST END AVE & W 106	RCRA-CESQG, NJ MANIFEST, NJ MANIFEST	Higher	1193, 0.226, West
<a href="#">AU438</a>	LANCASTER STUDIO ASS	936 WEST END AVENUE	NY UST, NY HIST UST	Higher	1199, 0.227, West
<a href="#">AT439</a>	APARTMENT	511 WEST 113TH STREE	NY LTANKS	Higher	1203, 0.228, North
<a href="#">AT440</a>	TRUSTEES OF COLUMBIA	511 WEST 113TH STREE	NY AST	Higher	1203, 0.228, North
<a href="#">AU441</a>	300 WEST 106 STREET	300 WEST 106 STREET	NY AST, NY HIST AST	Higher	1207, 0.229, West
<a href="#">AV442</a>	CON EDISON GAS MAIN	311 W 111TH ST GAS M	RCRA NonGen / NLR, NY MANIFEST	Lower	1209, 0.229, East
<a href="#">AN443</a>	R & S STRAUSS	2027 8TH AVE	RCRA NonGen / NLR, FINDS	Lower	1213, 0.230, East
<a href="#">AT444</a>	517 W 113TH ST	517 W 113TH ST	NY AST, NY HIST AST	Higher	1215, 0.230, North
<a href="#">AU445</a>	ASCENSION CHURCH RET	302 W 106 ST	NY AST, NY HIST AST	Higher	1216, 0.230, West
<a href="#">AK446</a>	NYCDEP - SHAFT 12	CENTRAL PARK W & E 1	RCRA-CESQG, NY MANIFEST	Lower	1220, 0.231, SE
<a href="#">AU447</a>	THE WESTBOURNE	930 WEST END AVENUE	NY AST, NY HIST AST	Higher	1229, 0.233, West
<a href="#">AH448</a>	TRUSTEES OF COLUMBIA	526 WEST 113TH STREE	NY AST, NY HIST AST	Higher	1230, 0.233, North
<a href="#">AS449</a>	REGION FAMILY RESIDE	2720 BROADWAY	NY LTANKS	Higher	1237, 0.234, WSW
<a href="#">AS450</a>	REGENT HOTEL	2720 BROADWAY	NY AST	Higher	1237, 0.234, WSW
<a href="#">AS451</a>	CON EDISON SERVICE B	2720 BROADWAY	RCRA NonGen / NLR, NY MANIFEST	Higher	1237, 0.234, WSW
<a href="#">AS452</a>		2725 BROADWAY	EDR US Hist Cleaners	Higher	1237, 0.234, WSW
<a href="#">AH453</a>	TRUSTEES OF COLUMBIA	530 WEST 113TH STREE	NY AST, NY HIST AST	Higher	1241, 0.235, North
<a href="#">AW454</a>	316 WEST 108TH STREE	316 WEST 108TH STREE	NY AST	Higher	1241, 0.235, WNW
<a href="#">AT455</a>	CON EDISON SERVICE B	1084 AMSTERDAM AVE F	RCRA NonGen / NLR, NY MANIFEST	Higher	1242, 0.235, NNE
<a href="#">AM456</a>	CON EDISON SERVICE B	890 COLUMBUS AVE FRO	RCRA NonGen / NLR, NY MANIFEST	Higher	1244, 0.236, South
<a href="#">AS457</a>	CONSOLIDATED EDISON	W 104 ST AND BROADWA	NY MANIFEST	Higher	1245, 0.236, WSW
<a href="#">AU458</a>	310 WEST 106TH STREE	310 WEST 106TH STREE	NY AST, NY HIST AST	Higher	1248, 0.236, West
<a href="#">AU459</a>	SPILL NUMBER 0302485	310 WEST 106TH ST	NY LTANKS	Higher	1248, 0.236, West
<a href="#">AN460</a>	CONSOLIDATED EDISON	110TH ST-CENTRAL PAR	NY MANIFEST	Lower	1254, 0.237, East
<a href="#">AV461</a>	CON EDISON	W 110TH ST & MANHATT	RCRA NonGen / NLR, NY MANIFEST	Lower	1255, 0.238, East
<a href="#">AU462</a>	929-31 WEST END AVEN	929 WEST END AVENUE	NY AST, NY HIST AST	Higher	1256, 0.238, West
<a href="#">AX463</a>	TRUSTEES OF COLUMBIA	536 WEST 113TH STREE	NY UST, NY HIST UST	Higher	1258, 0.238, North
<a href="#">AY464</a>	CONSOLIDATED EDISON	BROADWAY & W 111TH S	NY MANIFEST	Higher	1259, 0.238, NNW
<a href="#">AU465</a>	315 WEST 106TH STREE	315 WEST 106TH STREE	NY AST	Higher	1259, 0.238, West
<a href="#">AS466</a>	CON EDISON - SERVICE	W 104 ST AND BROADW	RCRA-LQG	Higher	1261, 0.239, WSW
<a href="#">AX467</a>	TRUSTEES OF COLUMBIA	535 WEST 113TH STREE	NY AST, NY HIST AST	Higher	1261, 0.239, North

MAPPED SITES SUMMARY

Target Property Address:  
103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">AV468</a>	CHARLES HILL HOUSING	2050 FREDERICK DOUGL	NY UST	Lower	1263, 0.239, East
<a href="#">AY469</a>	BROADWAY 111 ST ASSO	600 WEST 111TH ST	NY AST, NY HIST AST	Higher	1269, 0.240, NNW
<a href="#">AY470</a>	CITIBANK,NA	2861 BROADWAY	NY UST, NY HIST UST	Higher	1270, 0.241, NNW
<a href="#">AY471</a>	CITI BANK	2861 BROADWAY	NY LTANKS	Higher	1270, 0.241, NNW
<a href="#">AN472</a>	110TH STREET SERVICE	2040 EIGHTH AVENUE	NY UST, NY HIST UST	Lower	1271, 0.241, East
<a href="#">AN473</a>	110TH STREET SERVICE	2040 8TH AVE	RCRA NonGen / NLR, US AIRS	Lower	1271, 0.241, East
<a href="#">AN474</a>		2040 8TH AVE	EDR US Hist Auto Stat	Lower	1271, 0.241, East
<a href="#">AX475</a>	TRUSTEES OF COLUMBIA	541 WEST 113TH STREE	NY UST, NY HIST UST	Higher	1281, 0.243, North
<a href="#">AU476</a>	924 WEST END AVE COR	924 WEST END AVENUE	NY AST	Higher	1289, 0.244, West
<a href="#">AN477</a>	FORMER 110TH STREET	2040 FREDERICK DOUGL	NY BROWNFIELDS	Lower	1292, 0.245, East
<a href="#">AN478</a>	AMOCO GAS STATION (F	2040 FREDERICK DOUGL	NY LTANKS	Lower	1292, 0.245, East
<a href="#">AN479</a>		2040 FREDERICK DOUG	EDR US Hist Auto Stat	Lower	1292, 0.245, East
<a href="#">AV480</a>	2053 FREDERICK DOUGL	2053 FREDERICK DOUGL	NY UST, NY HIST UST	Lower	1293, 0.245, East
<a href="#">AS481</a>	NEW YORK CITY HOUSIN	DOUGLASS HOUSES	RCRA NonGen / NLR, NY MANIFEST	Higher	1295, 0.245, WSW
<a href="#">AU482</a>	925 WEST END AVENUE	925 WEST END AVENUE	NY AST	Higher	1297, 0.246, West
<a href="#">AZ483</a>	DOUGLAS II	244 WEST 104TH STREE	NY AST	Higher	1304, 0.247, WSW
<a href="#">AX484</a>	TRUSTEES OF COLUMBIA	549 WEST 113TH STREE	NY AST, NY HIST AST	Higher	1309, 0.248, North
<a href="#">AW485</a>	RESIDENCE	324 WEST 108TH ST	NY LTANKS, NY Spills	Higher	1310, 0.248, WNW
<a href="#">AS486</a>	CONSOLIDATED EDISON	V2717-13 BROADWAY	NY MANIFEST	Higher	1310, 0.248, WSW
<a href="#">AY487</a>	605/611 WEST 111TH R	605/611 WEST 111TH S	NY AST	Higher	1312, 0.248, NNW
<a href="#">BA488</a>	CONSOLIDATED EDISON	94 MANHATTAN AVE	NY MANIFEST	Higher	1312, 0.248, SSE
<a href="#">AV489</a>	CON EDISON SERVICE B	2056-2058 8TH AVE FR	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	1313, 0.249, East
<a href="#">AS490</a>	RITE AID #4187	2712 BROADWAY	RCRA-CESQG, NY MANIFEST	Higher	1315, 0.249, WSW
<a href="#">491</a>	CONED	327 W 112TH ST	NY MANIFEST	Lower	1320, 0.250, East
<a href="#">BB492</a>	DOUBLE DOWN REALTY C	312 MANHATTAN AVE	NY AST, NY HIST AST	Lower	1320, 0.250, ENE
<a href="#">BB493</a>	CON EDISON SERVICE B	312 MANHATTAN AVE FR	RCRA NonGen / NLR, NY MANIFEST	Lower	1320, 0.250, ENE
<a href="#">AZ494</a>	SPILL NUMBER 9804339	245 WEST 104TH STREE	NY LTANKS, NY Spills	Higher	1324, 0.251, WSW
<a href="#">BC495</a>	SPILL NUMBER 0202369	610 WEST 110TH STREE	NY LTANKS, NY Spills	Higher	1334, 0.253, NW
<a href="#">496</a>	DOUGLAS HOUSES -NYCH	880 COLUMBUS AVENUE	NY LTANKS, NY Spills	Higher	1394, 0.264, South
<a href="#">BA497</a>	ABOVE GROUND - TTF	78 MANHATTEN AVE	NY LTANKS	Higher	1458, 0.276, South
<a href="#">498</a>	526 W 114TH ST	526 W 114TH ST	NY LTANKS	Higher	1480, 0.280, North
<a href="#">499</a>	DOUGLASS II ADDITION	868 AMSTERDAM AVENUE	NY LTANKS, NY Spills	Higher	1504, 0.285, SW
<a href="#">BC500</a>	375 RIVERSIDE DRIVE	375 RIVERSIDE DRIVE	NY LTANKS, NY Spills	Higher	1510, 0.286, NW
<a href="#">BC501</a>	IN ROADWAY	IFO 375 RIVERSIDE DR	NY LTANKS	Higher	1510, 0.286, NW
<a href="#">502</a>	SPILL NUMBER 0112005	355 RIVERSIDE DRIVE	NY LTANKS, NY Spills	Higher	1531, 0.290, WNW
<a href="#">503</a>	308 W 104TH ST	308 W 104TH ST	NY LTANKS, NY Spills	Higher	1560, 0.295, WSW
<a href="#">504</a>	ST LUKES HOSPITAL	400 WEST 114TH ST	NY LTANKS	Higher	1601, 0.303, NNE
<a href="#">BD505</a>	COLUMBIA UNIVERSITY	44 MORNINGSIDE DR	RCRA-CESQG, NY LTANKS, NY MANIFEST	Higher	1617, 0.306, NE
<a href="#">BE506</a>	PARK FRONT APARTMENT	435 CENTRAL PARK WES	NY LTANKS	Lower	1625, 0.308, SSE

MAPPED SITES SUMMARY

Target Property Address:  
 103-107 AND 143-159 WEST 108TH STREET  
 NEW YORK, NY 10025

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">BE507</a>	17 W. 103RD ST	17 WEST 103RD ST	NY LTANKS	Lower	1664, 0.315, SSE
<a href="#">508</a>	APT BUILDING - TTF	395 RIVERSIDE DRIVE	NY LTANKS	Higher	1664, 0.315, NNW
<a href="#">BF509</a>	SPILL NUMBER 0106495	2680 BROADWAY	NY LTANKS, NY Spills	Higher	1706, 0.323, SW
<a href="#">510</a>	2105 8TH AVENUE	2105 8TH AVENUE	NY LTANKS, NY Spills	Lower	1723, 0.326, ENE
<a href="#">BF511</a>	SPILL NUMBER 9801045	235 WEST 102ND ST	NY LTANKS	Higher	1744, 0.330, WSW
<a href="#">BF512</a>	248 W. 102ND ST	248 W. 102ND ST	NY LTANKS	Higher	1786, 0.338, WSW
<a href="#">513</a>	225 WEST 110TH STREE	225 WEST 110TH STREE	NY LTANKS	Lower	1815, 0.344, ESE
<a href="#">BD514</a>	APT. BUILDING	54 MORNINGSIDE DRIVE	NY LTANKS	Higher	1822, 0.345, NE
<a href="#">BG515</a>	COLUMBIA UNIVERSITY	612 WEST 114TH ST	NY LTANKS, NY Spills	Higher	1839, 0.348, NNW
<a href="#">BG516</a>	619 WEST 114TH ST.	619 WEST 114TH STREE	NY LTANKS, NY Spills	Higher	1871, 0.354, NNW
<a href="#">517</a>	APARTMENT HOUSE	370 MANHATTAN AVE	NY LTANKS	Lower	1900, 0.360, NE
<a href="#">518</a>	233 WEST 112TH ST	233 WEST 112TH ST	NY LTANKS	Lower	1910, 0.362, East
<a href="#">519</a>	RANDOLPH HOUSES	220/228/240 W. 114TH	NY LTANKS	Lower	1933, 0.366, East
<a href="#">520</a>	ST. LUKES HOSPITAL H	306 WEST 102ND ST	NY LTANKS	Higher	1954, 0.370, WSW
<a href="#">521</a>	DOUGLAS HOUSES -NYCH	830 AMSTERDAM AVE	NY LTANKS	Higher	1979, 0.375, SW
<a href="#">522</a>	COLUMBIA UNIV 601 W.	601 W. 115TH STREET	NY LTANKS, NY Spills	Higher	2023, 0.383, North
<a href="#">523</a>	SPILL NUMBER 0102271	242 W 112ST ST	NY LTANKS	Higher	2027, 0.384, SW
<a href="#">524</a>	APARTMENT BUILDING	200 WEST 111TH STREE	NY LTANKS	Lower	2042, 0.387, East
<a href="#">525</a>	24TH PRECINCT	151 WEST 100TH STREE	NY LTANKS, NY HIST UST, NY Spills	Higher	2113, 0.400, SSW
<a href="#">526</a>	228 WEST 114TH ST	228 WEST 114TH STREE	NY LTANKS	Lower	2216, 0.420, East
<a href="#">527</a>	301 WEST 116TH ST/MA	301 WEST 116TH STREE	NY LTANKS	Lower	2243, 0.425, ENE
<a href="#">528</a>	SPILL NUMBER 0112250	145 W. 110TH ST	NY LTANKS	Lower	2255, 0.427, ESE
<a href="#">529</a>	APT BUILDING TTF	250 WEST 100	NY LTANKS	Higher	2337, 0.443, SW
<a href="#">530</a>	NYC PARKS DEPT	LASKER POOL/CENTRAL	NY LTANKS	Lower	2345, 0.444, SSE
<a href="#">531</a>	COLUMBIA UNIVERSITY	435 RIVERSIDE DRIVE	NY LTANKS, NY Spills	Higher	2472, 0.468, NNW
<a href="#">532</a>	600 W. 118TH STREET	600 W. 118TH STREET	NY LTANKS	Higher	2544, 0.482, NNE
<a href="#">533</a>	STELLAR PWV MANAGEME	784 COLUMBUS AVENUE	NY LTANKS, NY AST, NY HIST AST	Lower	2568, 0.486, SSW
<a href="#">534</a>	APT BUILDING	222 WEST 116TH ST	NY LTANKS	Lower	2632, 0.498, ENE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State  
NJ SHWS..... Known Contaminated Sites in New Jersey

## EXECUTIVE SUMMARY

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

### ***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF..... Facility Register  
NJ SWF/LF..... Solid Waste Facility Directory

### ***State and tribal leaking storage tank lists***

NY HIST LTANKS..... Listing of Leaking Storage Tanks  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

NJ UST..... Underground Storage Tank Data  
NY CBS UST..... Chemical Bulk Storage Database  
NY MOSF UST..... Major Oil Storage Facilities Database  
NY CBS AST..... Chemical Bulk Storage Database  
NY MOSF AST..... Major Oil Storage Facilities Database  
NY CBS..... Chemical Bulk Storage Site Listing  
NY MOSF..... Major Oil Storage Facility Site Listing  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

### ***State and tribal institutional control / engineering control registries***

NY ENG CONTROLS..... Registry of Engineering Controls  
NJ ENG CONTROLS..... Declaration Environmental Restriction/Deed Notice Sites  
NY INST CONTROL..... Registry of Institutional Controls  
NJ INST CONTROL..... Classification Exception Area Sites  
NY RES DECL..... Restrictive Declarations Listing

### ***State and tribal voluntary cleanup sites***

NY VCP..... Voluntary Cleanup Agreements  
INDIAN VCP..... Voluntary Cleanup Priority Listing  
NJ VCP..... Voluntary Cleanup Program Sites

### ***State and tribal Brownfields sites***

NY ERP..... Environmental Restoration Program Listing  
NJ BROWNFIELDS..... Brownfields Database

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
NY SWRCY..... Registered Recycling Facility List

## EXECUTIVE SUMMARY

NY SWTIRE..... Registered Waste Tire Storage & Facility List  
NJ SWRCY..... Approved Class B Recycling Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
NY DEL SHWS..... Delisted Registry Sites  
US HIST CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information  
NY LIENS..... Spill Liens Information  
NJ LIENS..... Environmental LIENS

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
NY Hist Spills..... SPILLS Database  
NY SPILLS 80..... SPILLS 80 data from FirstSearch  
NY SPILLS 90..... SPILLS 90 data from FirstSearch  
NJ SPILLS 90..... SPILLS 90 data from FirstSearch  
NJ SPILLS 80..... SPILLS 80 data from FirstSearch

### **Other Ascertainable Records**

DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
FUDS..... Formerly Used Defense Sites  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
NY HSWDS..... Hazardous Substance Waste Disposal Site Inventory  
NY UIC..... Underground Injection Control Wells  
NJ UIC..... Underground Injection Wells Database  
NJ DRYCLEANERS..... Drycleaner List  
NY SPDES..... State Pollutant Discharge Elimination System  
NJ NPDES..... New Jersey Pollutant Discharge Elimination System Dischargers  
NY AIRS..... Air Emissions Data  
NJ AIRS..... Emissions Inventory Listing  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
NY COAL ASH..... Coal Ash Disposal Site Listing  
NY Financial Assurance..... Financial Assurance Information Listing

## EXECUTIVE SUMMARY

NJ COAL ASH.....	Coal Ash Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
LEAD SMELTERS.....	Lead Smelter Sites
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH DOE.....	Steam-Electric Plant Operation Data
NJ Financial Assurance.....	Financial Assurance Information Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

NY RGA LF.....	Recovered Government Archive Solid Waste Facilities List
NY RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
NJ RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
NJ RGA LF.....	Recovered Government Archive Solid Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/16/2014 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>HUDSON RIVER PCBs</i></b>	<b><i>NO STREET APPLICABLE</i></b>	<b><i>WNW 1/4 - 1/2 (0.450 mi.)</i></b>	<b><i>0</i></b>	<b><i>8</i></b>

## EXECUTIVE SUMMARY

### ***Federal CERCLIS list***

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.450 mi.)</b>	<b>0</b>	<b>8</b>

### ***Federal RCRA generators list***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 8 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - SERVICE</b>	<b>219 W 106 ST.</b>	<b>W 1/8 - 1/4 (0.164 mi.)</b>	<b>T290</b>	<b>738</b>
<b>CON EDISON - SERVICE</b>	<b>542 W 112 STREET AND</b>	<b>N 1/8 - 1/4 (0.198 mi.)</b>	<b>Z352</b>	<b>904</b>
<b>CON EDISON - SERVICE</b>	<b>W 104 ST AND AMSTERD</b>	<b>SW 1/8 - 1/4 (0.209 mi.)</b>	<b>AP388</b>	<b>971</b>
<b>CON EDISON - SERVICE</b>	<b>W 104 ST AND COLUMBU</b>	<b>S 1/8 - 1/4 (0.212 mi.)</b>	<b>AM393</b>	<b>987</b>
<b>RITE AID #4186</b>	<b>2833 BROADWAY</b>	<b>NW 1/8 - 1/4 (0.213 mi.)</b>	<b>AO397</b>	<b>1000</b>
<b>CON EDISON - SERVICE</b>	<b>W 104 ST AND BROADW</b>	<b>WSW 1/8 - 1/4 (0.239 mi.)</b>	<b>AS466</b>	<b>1179</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - MANHOLE</b>	<b>W 109 ST &amp; COLUMBUS</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B41</b>	<b>131</b>
<b>CON EDISON - MANHOLE</b>	<b>W 109 ST AND COLUMBU</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B43</b>	<b>136</b>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CATHEDRAL OF SAINT J</b>	<b>1047 AMSTERDAM AVE</b>	<b>N 1/8 - 1/4 (0.143 mi.)</b>	<b>W257</b>	<b>649</b>
<b>NYC BD OF ED - PUBLI</b>	<b>150 W 105TH ST</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>AA278</b>	<b>703</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NY TELEPHONE DBA VER</b>	<b>193 MANHATTAN AVE</b>	<b>ESE 0 - 1/8 (0.105 mi.)</b>	<b>J181</b>	<b>482</b>

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 15 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON SERVICE B</b>	<b>AMSTERDAM AVE &amp; 108T</b>	<b>WNW 0 - 1/8 (0.029 mi.)</b>	<b>D13</b>	<b>74</b>
<b>CON EDISON</b>	<b>W 108TH ST &amp; AMSTERD</b>	<b>WNW 0 - 1/8 (0.029 mi.)</b>	<b>D15</b>	<b>77</b>
<b>CON EDISON - WEST 11</b>	<b>464 W 110TH ST</b>	<b>NNE 0 - 1/8 (0.069 mi.)</b>	<b>C98</b>	<b>252</b>
<b>NYC BD OF ED - PUBLI</b>	<b>234 W 109TH ST</b>	<b>NW 0 - 1/8 (0.089 mi.)</b>	<b>F128</b>	<b>337</b>
<b>CON EDISON MANHOLE:</b>	<b>111 W 106TH ST W OF</b>	<b>S 0 - 1/8 (0.103 mi.)</b>	<b>L165</b>	<b>431</b>
<b>CON EDISON SERVICE B</b>	<b>111 W 106TH ST</b>	<b>S 0 - 1/8 (0.103 mi.)</b>	<b>L166</b>	<b>433</b>
<b>CON EDISON MANHOLE:</b>	<b>W 106TH ST &amp; COLUMBU</b>	<b>SSE 0 - 1/8 (0.110 mi.)</b>	<b>L196</b>	<b>526</b>
<b>CON EDISON GAS MAIN:</b>	<b>COLUMBUS AVE &amp; W 106</b>	<b>SSE 0 - 1/8 (0.110 mi.)</b>	<b>L197</b>	<b>528</b>
<b>CON EDISON MANHOLE:</b>	<b>W 106TH ST &amp; BROADWA</b>	<b>W 1/8 - 1/4 (0.189 mi.)</b>	<b>AJ328</b>	<b>829</b>
<b>KIMS DRY CLEANING ST</b>	<b>2785 BROADWAY</b>	<b>WNW 1/8 - 1/4 (0.198 mi.)</b>	<b>AB351</b>	<b>891</b>
<b>US POSTAL SERVICE CA</b>	<b>215 W 104TH ST</b>	<b>WSW 1/8 - 1/4 (0.217 mi.)</b>	<b>AP415</b>	<b>1057</b>
<b>CON EDISON</b>	<b>WEST END AVE &amp; W 106</b>	<b>W 1/8 - 1/4 (0.226 mi.)</b>	<b>AU437</b>	<b>1104</b>
<b>RITE AID #4187</b>	<b>2712 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.249 mi.)</b>	<b>AS490</b>	<b>1250</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON</b>	<b>W 108TH ST &amp; MANHATT</b>	<b>ESE 0 - 1/8 (0.121 mi.)</b>	<b>J214</b>	<b>557</b>
<b>NYCDEP - SHAFT 12</b>	<b>CENTRAL PARK W &amp; E 1</b>	<b>SE 1/8 - 1/4 (0.231 mi.)</b>	<b>AK446</b>	<b>1131</b>

### **Federal institutional controls / engineering controls registries**

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.450 mi.)</b>	<b>0</b>	<b>8</b>

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 09/18/2014 has revealed that

## EXECUTIVE SUMMARY

there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.450 mi.)</b>	<b>0</b>	<b>8</b>

### **State and tribal leaking storage tank lists**

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 03/19/2015 has revealed that there are 71 NY LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
200 WEST 108TH ST/MA Program Number: 9012229 Spill Number/Closed Date: 9012229 / 5/25/1995 Site ID: 74145	200 WEST 108TH STREE	WNW 0 - 1/8 (0.030 mi.)	D17	83
VAULT # 1 Program Number: 9903585 Spill Number/Closed Date: 9903585 / 5/18/2000 Site ID: 262511	W 110TH ST SUBSTATIO	NNE 0 - 1/8 (0.052 mi.)	C58	179
SPILL NUMBER 0312458 Program Number: 0312458 Spill Number/Closed Date: 0312458 / 9/13/2004 Site ID: 148990	220 WEST 108TH STREE	WNW 0 - 1/8 (0.064 mi.)	D78	215
<b>WEST 110TH ST SUBSTA</b> Program Number: 0502336 Spill Number/Closed Date: 0502336 / 7/25/2005 Site ID: 346678	<b>464 WEST 110TH STREE</b>	<b>NNE 0 - 1/8 (0.069 mi.)</b>	<b>C99</b>	<b>268</b>
CO-OP BUILDING Program Number: 0800858 Spill Number/Closed Date: 0800858 / 1/15/2009 Site ID: 396681	220 WEST 107TH STREE	W 0 - 1/8 (0.088 mi.)	I126	334
APT BLD Program Number: 1302762 Spill Number/Closed Date: 1302762 / 8/6/2013 Site ID: 483210	220 WEST 107TH STREE	W 0 - 1/8 (0.088 mi.)	I127	335
<b>ASCENSION CHURCH</b> Program Number: 9209757 Program Number: 9212009 Spill Number/Closed Date: 9209757 / 12/27/2002 Spill Number/Closed Date: 9212009 / 12/27/2002 Site ID: 212569 Site ID: 212570	<b>221 WEST 107TH ST</b>	<b>W 0 - 1/8 (0.092 mi.)</b>	<b>I138</b>	<b>365</b>
APRT Program Number: 0800859 Spill Number/Closed Date: 0800859 / 1/15/2009 Site ID: 396682	230 WEST 107TH STREE	W 0 - 1/8 (0.104 mi.)	Q168	435
BRITANINA CONDO'S Program Number: 9913146 Spill Number/Closed Date: 9913146 / 3/7/2000 Site ID: 165159	527 WEST 110TH ST	NNW 0 - 1/8 (0.104 mi.)	N172	445

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>VAULT 1262</b> Program Number: 9211497 Spill Number/Closed Date: 9211497 / 7/26/1993 Site ID: 129475	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L176</b>	<b>452</b>
<b>JEWISH HOME &amp; HOSPIT</b> Program Number: 1008471 Spill Number/Closed Date: 1008471 / 12/6/2012 Site ID: 441963	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L177</b>	<b>458</b>
<b>APARTMENT BUILDING</b> Program Number: 0601098 Spill Number/Closed Date: 0601098 / 5/2/2006 Site ID: 363259	<b>246 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.107 mi.)</b>	<b>K185</b>	<b>501</b>
<b>JEWISH HOSPITAL FOR</b> Program Number: 9414640 Spill Number/Closed Date: 9414640 / 2/12/2003 Site ID: 257940	<b>121 WEST 105TH STREE</b>	<b>S 1/8 - 1/4 (0.155 mi.)</b>	<b>V275</b>	<b>695</b>
SPILL NUMBER 0104930 Program Number: 0104930 Spill Number/Closed Date: 0104930 / 4/1/2004 Site ID: 319369	255 WEST 108TH ST	WNW 1/8 - 1/4 (0.170 mi.)	AD294	747
CLOSED-LACKOF RECENT Program Number: 8705931 Spill Number/Closed Date: 8705931 / 3/4/2003 Site ID: 198808	218019 105TH AVE.	WSW 1/8 - 1/4 (0.193 mi.)	AG341	870
COLUMBIA UNIVERSITY Program Number: 0312068 Spill Number/Closed Date: 0312068 / 1/29/2004 Site ID: 146280	545 WEST 112TH STREE	N 1/8 - 1/4 (0.201 mi.)	AH364	924
<b>ABOVE GOUND TANK</b> Program Number: 1307703 Spill Number/Closed Date: 1307703 / Not Reported Site ID: 488386	<b>949 WEST END AVE</b>	<b>W 1/8 - 1/4 (0.217 mi.)</b>	<b>AQ412</b>	<b>1050</b>
ST LUKES HOSP. Program Number: 0510629 Spill Number/Closed Date: 0510629 / 5/17/2006 Site ID: 356641	421 W 113TH ST	NE 1/8 - 1/4 (0.220 mi.)	AR420	1070
APARTMENT Program Number: 0509968 Spill Number/Closed Date: 0509968 / 4/5/2007 Site ID: 355843	511 WEST 113TH STREE	N 1/8 - 1/4 (0.228 mi.)	AT439	1110
REGION FAMILY RESIDE Program Number: 0105038 Program Number: 9401046 Spill Number/Closed Date: 0105038 / 1/20/2006 Spill Number/Closed Date: 9401046 / 12/27/2002 Site ID: 250582 Site ID: 250583	2720 BROADWAY	WSW 1/8 - 1/4 (0.234 mi.)	AS449	1144
SPILL NUMBER 0302485 Program Number: 0302485 Spill Number/Closed Date: 0302485 / 11/17/2003 Site ID: 254308	310 WEST 106TH ST	W 1/8 - 1/4 (0.236 mi.)	AU459	1166

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITI BANK Program Number: 9802718 Spill Number/Closed Date: 9802718 / 12/29/2005 Site ID: 63492	2861 BROADWAY	NNW 1/8 - 1/4 (0.241 mi.)	AY471	1193
<b>RESIDENCE</b> Program Number: 9805652 Spill Number/Closed Date: 9805652 / 7/28/2003 Site ID: 222580	<b>324 WEST 108TH ST</b>	<b>WNW 1/8 - 1/4 (0.248 mi.)</b>	<b>AW485</b>	<b>1242</b>
<b>SPILL NUMBER 9804339</b> Program Number: 0211958 Spill Number/Closed Date: 0211958 / 11/13/2003 Site ID: 73624	<b>245 WEST 104TH STREE</b>	<b>WSW 1/4 - 1/2 (0.251 mi.)</b>	<b>AZ494</b>	<b>1270</b>
<b>SPILL NUMBER 0202369</b> Program Number: 9206075 Spill Number/Closed Date: 9206075 / 1/21/2003 Site ID: 325209	<b>610 WEST 110TH STREE</b>	<b>NW 1/4 - 1/2 (0.253 mi.)</b>	<b>BC495</b>	<b>1273</b>
<b>DOUGLAS HOUSES -NYCH</b> Program Number: 9211297 Program Number: 9310832 Program Number: 8908134 Program Number: 9109802 Spill Number/Closed Date: 9211297 / 12/31/1992 Spill Number/Closed Date: 9310832 / 8/16/1995 Spill Number/Closed Date: 8908134 / 5/23/2008 Spill Number/Closed Date: 9109802 / 1/31/2006 Site ID: 147249 Site ID: 248026 Site ID: 228574 Site ID: 147248	<b>880 COLUMBUS AVENUE</b>	<b>S 1/4 - 1/2 (0.264 mi.)</b>	<b>496</b>	<b>1276</b>
ABOVE GROUND - TTF Program Number: 1214137 Spill Number/Closed Date: 1214137 / 4/15/2013 Site ID: 477358	78 MANHATTEN AVE	S 1/4 - 1/2 (0.276 mi.)	BA497	1282
526 W 114TH ST Program Number: 9300892 Spill Number/Closed Date: 9300892 / 4/19/1993 Site ID: 89304	526 W 114TH ST	N 1/4 - 1/2 (0.280 mi.)	498	1285
<b>DOUGLASS II ADDITION</b> Program Number: 9007637 Program Number: 9703182 Program Number: 9703190 Program Number: 9103651 Spill Number/Closed Date: 9007637 / 4/20/1995 Spill Number/Closed Date: 9703182 / 8/15/1997 Spill Number/Closed Date: 9703190 / 6/16/1997 Spill Number/Closed Date: 9103651 / Not Reported Site ID: 295716 Site ID: 210650 Site ID: 210651 Site ID: 295717	<b>868 AMSTERDAM AVENUE</b>	<b>SW 1/4 - 1/2 (0.285 mi.)</b>	<b>499</b>	<b>1286</b>
<b>375 RIVERSIDE DRIVE</b> Program Number: 8800754 Spill Number/Closed Date: 8800754 / 12/29/1988 Site ID: 227753	<b>375 RIVERSIDE DRIVE</b>	<b>NW 1/4 - 1/2 (0.286 mi.)</b>	<b>BC500</b>	<b>1292</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IN ROADWAY Program Number: 0202367 Spill Number/Closed Date: 0202367 / 9/25/2003 Site ID: 101688	IFO 375 RIVERSIDE DR	NW 1/4 - 1/2 (0.286 mi.)	BC501	1295
<b>SPILL NUMBER 0112005</b> Program Number: 0112005 Spill Number/Closed Date: 0112005 / 12/5/2003 Site ID: 330640	<b>355 RIVERSIDE DRIVE</b>	<b>WNW 1/4 - 1/2 (0.290 mi.)</b>	<b>502</b>	<b>1296</b>
<b>308 W 104TH ST</b> Program Number: 0205926 Spill Number/Closed Date: 0205926 / 11/21/2003 Site ID: 110111	<b>308 W 104TH ST</b>	<b>WSW 1/4 - 1/2 (0.295 mi.)</b>	<b>503</b>	<b>1299</b>
ST LUKES HOSPITAL Program Number: 0109481 Spill Number/Closed Date: 0109481 / 3/10/2003 Site ID: 225135	400 WEST 114TH ST	NNE 1/4 - 1/2 (0.303 mi.)	504	1303
<b>COLUMBIA UNIVERSITY</b> Program Number: 0701313 Spill Number/Closed Date: 0701313 / 5/2/2007 Site ID: 380797	<b>44 MORNINGSIDE DR</b>	<b>NE 1/4 - 1/2 (0.306 mi.)</b>	<b>BD505</b>	<b>1304</b>
APT BUILDING - TTF Program Number: 1205835 Spill Number/Closed Date: 1205835 / Not Reported Site ID: 468807	395 RIVERSIDE DRIVE	NNW 1/4 - 1/2 (0.315 mi.)	508	1314
<b>SPILL NUMBER 0106495</b> Program Number: 9511590 Spill Number/Closed Date: 9511590 / 12/13/1995 Site ID: 228862	<b>2680 BROADWAY</b>	<b>SW 1/4 - 1/2 (0.323 mi.)</b>	<b>BF509</b>	<b>1316</b>
SPILL NUMBER 9801045 Program Number: 9801045 Spill Number/Closed Date: 9801045 / 4/23/1998 Site ID: 323359	235 WEST 102ND ST	WSW 1/4 - 1/2 (0.330 mi.)	BF511	1322
248 W. 102ND ST Program Number: 0509660 Spill Number/Closed Date: 0509660 / 12/6/2005 Site ID: 355467	248 W. 102ND ST	WSW 1/4 - 1/2 (0.338 mi.)	BF512	1323
APT. BUILDING Program Number: 0804868 Spill Number/Closed Date: 0804868 / 4/28/2009 Site ID: 401857	54 MORNINGSIDE DRIVE	NE 1/4 - 1/2 (0.345 mi.)	BD514	1325
<b>COLUMBIA UNIVERSITY</b> Program Number: 0107290 Spill Number/Closed Date: 0107290 / 2/19/2003 Site ID: 190391	<b>612 WEST 114TH ST</b>	<b>NNW 1/4 - 1/2 (0.348 mi.)</b>	<b>BG515</b>	<b>1327</b>
<b>619 WEST 114TH ST.</b> Program Number: 9310922 Spill Number/Closed Date: 9310922 / 12/14/1993 Site ID: 181265	<b>619 WEST 114TH STREE</b>	<b>NNW 1/4 - 1/2 (0.354 mi.)</b>	<b>BG516</b>	<b>1329</b>
ST. LUKES HOSPITAL H Program Number: 0901728 Program Number: 0904155 Spill Number/Closed Date: 0901728 / 10/20/2014 Spill Number/Closed Date: 0904155 / 7/26/2010 Site ID: 413738 Site ID: 416299	306 WEST 102ND ST	WSW 1/4 - 1/2 (0.370 mi.)	520	1335

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOUGLAS HOUSES -NYCH Program Number: 9614533 Program Number: 0208799 Spill Number/Closed Date: 9614533 / 5/20/2008 Spill Number/Closed Date: 0208799 / 11/6/2007 Site ID: 99277 Site ID: 99276	830 AMSTERDAM AVE	SW 1/4 - 1/2 (0.375 mi.)	521	1338
<b>COLUMBIA UNIV 601 W.</b> Program Number: 9500800 Spill Number/Closed Date: 9500800 / 4/20/1995 Site ID: 293474	<b>601 W. 115TH STREET</b>	<b>N 1/4 - 1/2 (0.383 mi.)</b>	<b>522</b>	<b>1340</b>
SPILL NUMBER 0102271 Program Number: 0102271 Spill Number/Closed Date: 0102271 / 4/11/2002 Site ID: 106924	242 W 112ST ST	SW 1/4 - 1/2 (0.384 mi.)	523	1342
<b>24TH PRECINCT</b> Program Number: 9600523 Spill Number/Closed Date: 9600523 / 11/3/2003 Site ID: 275532	<b>151 WEST 100TH STREE</b>	<b>SSW 1/4 - 1/2 (0.400 mi.)</b>	<b>525</b>	<b>1346</b>
APT BUILDING TTF Program Number: 1002663 Spill Number/Closed Date: 1002663 / 5/8/2014 Site ID: 435834	250 WEST 100	SW 1/4 - 1/2 (0.443 mi.)	529	1356
<b>COLUMBIA UNIVERSITY</b> Program Number: 0700843 Spill Number/Closed Date: 0700843 / 5/25/2007 Site ID: 380252	<b>435 RIVERSIDE DRIVE</b>	<b>NNW 1/4 - 1/2 (0.468 mi.)</b>	<b>531</b>	<b>1359</b>
600 W. 118TH STREET Program Number: 9415684 Spill Number/Closed Date: 9415684 / 3/3/1995 Site ID: 222075	600 W. 118TH STREET	NNE 1/4 - 1/2 (0.482 mi.)	532	1362
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
136-140 WEST 109TH S Program Number: 9709800 Spill Number/Closed Date: 9709800 / 2/8/2005 Site ID: 311964	136-140 WEST 109TH S	ENE 0 - 1/8 (0.020 mi.)	A7	61
APART Program Number: 0706309 Spill Number/Closed Date: 0706309 / 1/7/2008 Site ID: 386804	107 WEST 109TH STREE	E 0 - 1/8 (0.030 mi.)	B21	91
<b>477 CENTRAL PARK WES</b> Program Number: 0904916 Spill Number/Closed Date: 0904916 / 8/25/2009 Site ID: 417132	<b>477 CENTRAL PARK WES</b>	<b>ESE 1/8 - 1/4 (0.191 mi.)</b>	<b>AI333</b>	<b>842</b>
APARTMENT COMPLEX Program Number: 0106678 Spill Number/Closed Date: 0106678 / 12/15/2009 Site ID: 312442	282 MANHATTAN AVE	ENE 1/8 - 1/4 (0.197 mi.)	AL348	885
<b>APT BLDG</b> Program Number: 9814763 Spill Number/Closed Date: 9814763 / 3/11/1999 Site ID: 181162	<b>21 W 106TH ST</b>	<b>SE 1/8 - 1/4 (0.201 mi.)</b>	<b>AK362</b>	<b>919</b>

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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BASEMENT 3 W. 108TH Program Number: 0703774 Spill Number/Closed Date: 0703774 / 2/29/2008 Site ID: 383784	3 W 108TH ST	ESE 1/8 - 1/4 (0.201 mi.)	AI363	923
AMOCO GAS STATION (F) Program Number: 0205438 Spill Number/Closed Date: 0205438 / 7/31/2006 Site ID: 299821	2040 FREDERICK DOUGL	E 1/8 - 1/4 (0.245 mi.)	AN478	1225
PARK FRONT APARTMENT Program Number: 0610429 Spill Number/Closed Date: 0610429 / 5/23/2007 Site ID: 374869	435 CENTRAL PARK WES	SSE 1/4 - 1/2 (0.308 mi.)	BE506	1309
17 W. 103RD ST Program Number: 0003817 Spill Number/Closed Date: 0003817 / 7/12/2000 Site ID: 283654	17 WEST 103RD ST	SSE 1/4 - 1/2 (0.315 mi.)	BE507	1313
<b>2105 8TH AVENUE</b> Program Number: 9400924 Spill Number/Closed Date: 9400924 / 4/19/1994 Site ID: 319982	<b>2105 8TH AVENUE</b>	<b>ENE 1/4 - 1/2 (0.326 mi.)</b>	<b>510</b>	<b>1320</b>
225 WEST 110TH STREE Program Number: 9808267 Spill Number/Closed Date: 9808267 / 10/8/1998 Site ID: 148090	225 WEST 110TH STREE	ESE 1/4 - 1/2 (0.344 mi.)	513	1324
APARTMENT HOUSE Program Number: 9910474 Spill Number/Closed Date: 9910474 / 8/22/2003 Site ID: 126017	370 MANHATTAN AVE	NE 1/4 - 1/2 (0.360 mi.)	517	1331
233 WEST 112TH ST Program Number: 9511046 Spill Number/Closed Date: 9511046 / 11/22/1996 Site ID: 306209	233 WEST 112TH ST	E 1/4 - 1/2 (0.362 mi.)	518	1332
RANDOLPH HOUSES Program Number: 9505402 Spill Number/Closed Date: 9505402 / 2/3/1997 Site ID: 292909	220/228/240 W. 114TH	E 1/4 - 1/2 (0.366 mi.)	519	1334
APARTMENT BUILDING Program Number: 0603385 Spill Number/Closed Date: 0603385 / 11/3/2008 Site ID: 366102	200 WEST 111TH STREE	E 1/4 - 1/2 (0.387 mi.)	524	1344
228 WEST 114TH ST Program Number: 9011108 Spill Number/Closed Date: 9011108 / 7/6/1993 Site ID: 141697	228 WEST 114TH STREE	E 1/4 - 1/2 (0.420 mi.)	526	1352
301 WEST 116TH ST/MA Program Number: 8807849 Spill Number/Closed Date: 8807849 / 9/17/2012 Site ID: 144555	301 WEST 116TH STREE	ENE 1/4 - 1/2 (0.425 mi.)	527	1353
SPILL NUMBER 0112250 Program Number: 0112250 Spill Number/Closed Date: 0112250 / 3/3/2003 Site ID: 268560	145 W. 110TH ST	ESE 1/4 - 1/2 (0.427 mi.)	528	1355

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NYC PARKS DEPT</b> Program Number: 0013242 Spill Number/Closed Date: 0013242 / Not Reported Site ID: 94432	LASKER POOL/CENTRAL	SSE 1/4 - 1/2 (0.444 mi.)	530	1357
<b>STELLAR PWV MANAGEME</b> Program Number: 9702659 Spill Number/Closed Date: 9702659 / 7/25/2005 Site ID: 177461	<b>784 COLUMBUS AVENUE</b>	<b>SSW 1/4 - 1/2 (0.486 mi.)</b>	<b>533</b>	<b>1364</b>
<b>APT BUILDING</b> Program Number: 9610840 Spill Number/Closed Date: 9610840 / 2/13/1997 Site ID: 70988	222 WEST 116TH ST	ENE 1/4 - 1/2 (0.498 mi.)	534	1369

### **State and tribal registered storage tank lists**

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 03/30/2015 has revealed that there are 3 NY TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>910 COLUMBUS AVE</b> Facility Id: 2-345555 Site Status: Active	<b>910 COLUMBUS AVE</b>	<b>S 1/8 - 1/4 (0.180 mi.)</b>	<b>V306</b>	<b>776</b>
<b>SHAW REALTY CO LLC</b> Facility Id: 2-606822 Site Status: Active	<b>111-117 WEST 104TH S</b>	<b>S 1/8 - 1/4 (0.204 mi.)</b>	<b>AM374</b>	<b>948</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>NY TELEPHONE DBA VER</b> Facility Id: 2-344877 Site Status: Active	<b>193 MANHATTAN AVE</b>	<b>ESE 0 - 1/8 (0.105 mi.)</b>	<b>J181</b>	<b>482</b>

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 15 NY UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ASCENSION SCHOOL</b> Id/Status:: 2-204447	<b>224 W 108 ST</b>	<b>WNW 0 - 1/8 (0.070 mi.)</b>	<b>D105</b>	<b>287</b>
<b>211 W 107 STREET COR</b> Id/Status:: 2-600743	<b>211 W 107 STREET</b>	<b>W 0 - 1/8 (0.074 mi.)</b>	<b>I111</b>	<b>301</b>
<b>JEWISH HOME &amp; HOSPIT</b> Id/Status:: 2-150177	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L177</b>	<b>458</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>TRUSTEES OF COLUMBIA</b> Id/Status:: 2-453994	<b>518 WEST 111TH STREE</b>	<b>N 1/8 - 1/4 (0.136 mi.)</b>	<b>N247</b>	<b>626</b>
<b>AMSTERDAM NURSING HO</b> Id/Status:: 2-218286	<b>1060 AMSTERDAM AVENU</b>	<b>N 1/8 - 1/4 (0.175 mi.)</b>	<b>W300</b>	<b>756</b>
<b>209 CONDOMINIUM</b> Id/Status:: 2-195006	<b>209 WEST 104TH STREE</b>	<b>SW 1/8 - 1/4 (0.213 mi.)</b>	<b>AP396</b>	<b>996</b>
<b>ENGINE 47</b> Id/Status:: 2-357812	<b>502 WEST 113TH STREE</b>	<b>NNE 1/8 - 1/4 (0.224 mi.)</b>	<b>AT428</b>	<b>1087</b>
<b>LANCASTER STUDIO ASS</b> Id/Status:: 2-290106	<b>936 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.227 mi.)</b>	<b>AU438</b>	<b>1107</b>
<b>TRUSTEES OF COLUMBIA</b> Id/Status:: 2-453943	<b>536 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.238 mi.)</b>	<b>AX463</b>	<b>1173</b>
<b>CITIBANK,NA</b> Id/Status:: 2-129801	<b>2861 BROADWAY</b>	<b>NNW 1/8 - 1/4 (0.241 mi.)</b>	<b>AY470</b>	<b>1189</b>
<b>TRUSTEES OF COLUMBIA</b> Id/Status:: 2-453927	<b>541 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.243 mi.)</b>	<b>AX475</b>	<b>1218</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>E &amp; B OPERATING CORP</b> Id/Status:: 2-145416	<b>137 W 108 ST</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A1</b>	<b>48</b>
<b>CHARLES HILL HOUSING</b> Id/Status:: 2-267848	<b>2050 FREDERICK DOUGL</b>	<b>E 1/8 - 1/4 (0.239 mi.)</b>	<b>AV468</b>	<b>1184</b>
<b>110TH STREET SERVICE</b> Id/Status:: 2-480665	<b>2040 EIGHTH AVENUE</b>	<b>E 1/8 - 1/4 (0.241 mi.)</b>	<b>AN472</b>	<b>1194</b>
<b>2053 FREDERICK DOUGL</b> Id/Status:: 2-605841	<b>2053 FREDERICK DOUGL</b>	<b>E 1/8 - 1/4 (0.245 mi.)</b>	<b>AV480</b>	<b>1227</b>

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 224 NY AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>170 WEST 109TH STREE</b> Facility Id: 2-061425	<b>170 WEST 109TH STREE</b>	<b>N 0 - 1/8 (0.021 mi.)</b>	<b>C9</b>	<b>64</b>
<b>174 PROPERTY ASSOC I</b> Facility Id: 2-290416	<b>174 WEST 109TH ST</b>	<b>N 0 - 1/8 (0.022 mi.)</b>	<b>C10</b>	<b>66</b>
<b>981 AMSTERDAM AVENUE</b> Facility Id: 2-606766	<b>981 AMSTERDAM AVENUE</b>	<b>WNW 0 - 1/8 (0.028 mi.)</b>	<b>D12</b>	<b>71</b>
<b>200 WEST 108TH STREE</b> Facility Id: 2-601819	<b>200 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.030 mi.)</b>	<b>D18</b>	<b>84</b>
<b>201 WEST 108 STREET</b> Facility Id: 2-096717	<b>201 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.033 mi.)</b>	<b>D24</b>	<b>95</b>
<b>204 WEST 108TH STREE</b> Facility Id: 2-603397	<b>204 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.038 mi.)</b>	<b>D34</b>	<b>111</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
201 WEST 109 STREET Facility Id: 2-322067	201 W 109 ST.	NNW 0 - 1/8 (0.039 mi.)	D37	116
203-09 WEST 109TH ST Facility Id: 2-272310	203 WEST 109TH STREE	NNW 0 - 1/8 (0.041 mi.)	D38	118
<b>204-06 WEST 109TH ST</b> Facility Id: 2-205559	<b>204-06 WEST 109TH ST</b>	<b>NNW 0 - 1/8 (0.043 mi.)</b>	<b>D44</b>	<b>140</b>
209 WEST 108TH ST., Facility Id: 2-201901	209 WEST 108TH STREE	WNW 0 - 1/8 (0.044 mi.)	D45	143
<b>203-219 W 109TH ST</b> Facility Id: 2-323276	<b>205 WEST 109TH ST</b>	<b>NNW 0 - 1/8 (0.044 mi.)</b>	<b>D46</b>	<b>146</b>
964 AMSTERDAM AVE Facility Id: 2-607981	964 AMSTERDAM AVENUE	W 0 - 1/8 (0.047 mi.)	D47	149
<b>965 AMSTERDAM AVENUE</b> Facility Id: 2-155837	<b>965 AMSTERDAM AVENUE</b>	<b>W 0 - 1/8 (0.048 mi.)</b>	<b>D49</b>	<b>152</b>
BEACON 109 207-209 L Facility Id: 2-273481	209 WEST 109TH STREE	NNW 0 - 1/8 (0.050 mi.)	F51	155
<b>ELTA APARTMENTS INC</b> Facility Id: 2-237337	<b>166 W 107TH ST</b>	<b>SW 0 - 1/8 (0.051 mi.)</b>	<b>H54</b>	<b>169</b>
<b>ELISEO CARREAR ELVIO</b> Facility Id: 2-236861	<b>172 W 107 TH ST</b>	<b>SW 0 - 1/8 (0.051 mi.)</b>	<b>H55</b>	<b>172</b>
212 WEST 108 STREET Facility Id: 2-600996	212 WEST 108TH STREE	WNW 0 - 1/8 (0.051 mi.)	D56	176
963 AMSTERDAM AVE Facility Id: 2-607257	963 AMSTERDAM AVE	W 0 - 1/8 (0.052 mi.)	D62	184
WEST 109 PORTFOLIO, Facility Id: 2-608029	211 WEST 109TH STREE	NNW 0 - 1/8 (0.053 mi.)	F63	186
216 WEST 108TH ST Facility Id: 2-112801	216 WEST 108TH STREE	WNW 0 - 1/8 (0.055 mi.)	D64	188
215-109 ASSOC. Facility Id: 2-108790	215 W 109TH STREET	NNW 0 - 1/8 (0.059 mi.)	F71	203
<b>201 WEST 107TH STREE</b> Facility Id: 2-602697	<b>201 WEST 107TH STREE</b>	<b>W 0 - 1/8 (0.059 mi.)</b>	<b>D72</b>	<b>205</b>
<b>HIRTH REAL ESTATE</b> Facility Id: 2-280267	<b>202 W 107 ST</b>	<b>W 0 - 1/8 (0.064 mi.)</b>	<b>I79</b>	<b>216</b>
<b>APT BLDG MICHAEL ROS</b> Facility Id: 2-364177	<b>203 W 107 ST</b>	<b>W 0 - 1/8 (0.064 mi.)</b>	<b>I83</b>	<b>223</b>
<b>JEOMILL REALTY CORP</b> Facility Id: 2-290963	<b>207-209 W 107 ST</b>	<b>W 0 - 1/8 (0.069 mi.)</b>	<b>I103</b>	<b>281</b>
<b>G. RUGGIERI</b> Facility Id: 2-289183	<b>955 AMSTERDAM AVE AK</b>	<b>WSW 0 - 1/8 (0.069 mi.)</b>	<b>I104</b>	<b>284</b>
WEST 109 PORTFOLIO, Facility Id: 2-219568	223 WEST 109TH STREE	NW 0 - 1/8 (0.071 mi.)	F107	293
<b>K R F MANAGEMENT CO</b> Facility Id: 2-093556	<b>210 WEST 107TH STREE</b>	<b>W 0 - 1/8 (0.074 mi.)</b>	<b>I109</b>	<b>296</b>
<b>211 W 107 STREET COR</b> Facility Id: 2-117064	<b>211 W 107 STREET</b>	<b>W 0 - 1/8 (0.074 mi.)</b>	<b>I111</b>	<b>301</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ARNLIE REALTY CO LLC Facility Id: 2-606929	500 WEST 110TH STREE	N 0 - 1/8 (0.078 mi.)	F117	313
<b>229 W 109 RLTY CORP</b> Facility Id: 2-150509	<b>229 W 109 ST</b>	<b>NW 0 - 1/8 (0.081 mi.)</b>	<b>F121</b>	<b>320</b>
951 COLUMBUS AVENUE Facility Id: 2-606987	951 COLUMBUS AVENUE	SSE 0 - 1/8 (0.083 mi.)	G122	323
<b>509 CATHEDRAL PKWY</b> Facility Id: 2-275751	<b>509 CATHEDRAL PKWY</b>	<b>NNW 0 - 1/8 (0.086 mi.)</b>	<b>F124</b>	<b>327</b>
<b>235 WEST 108TH ST OW</b> Facility Id: 2-243051	<b>235 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.087 mi.)</b>	<b>K125</b>	<b>331</b>
PUBLIC SCHOOL 165 - Facility Id: 2-607637	234 WEST 109TH STREE	NW 0 - 1/8 (0.089 mi.)	F129	343
WEST 109 PORTFOLIO, Facility Id: 2-219541	235 WEST 109TH STREE	NW 0 - 1/8 (0.089 mi.)	F130	346
CATHEDRAL TOWER Facility Id: 2-610717	514 WEST 110TH STREE	NNW 0 - 1/8 (0.090 mi.)	F133	350
<b>CASMA REALTY CORP</b> Facility Id: 2-316946	<b>947 AMSTERDAM AV</b>	<b>WSW 0 - 1/8 (0.090 mi.)</b>	<b>I134</b>	<b>352</b>
<b>515 CATHEDRAL PKWY</b> Facility Id: 2-275239	<b>515 CATHEDRAL PKWY</b>	<b>NNW 0 - 1/8 (0.091 mi.)</b>	<b>F135</b>	<b>355</b>
<b>ASCENSION CHURCH REC</b> Facility Id: 2-204439	<b>221 W 107TH ST</b>	<b>W 0 - 1/8 (0.092 mi.)</b>	<b>I136</b>	<b>359</b>
EJ'S BUCKET BUDDIES Facility Id: 2-611563	947 COLUMBUS AVE	SSE 0 - 1/8 (0.093 mi.)	L141	373
<b>237 W 109TH ST OWNER</b> Facility Id: 2-323292	<b>237 W 109TH ST</b>	<b>NW 0 - 1/8 (0.094 mi.)</b>	<b>F142</b>	<b>375</b>
520 WEST 110TH CONDO Facility Id: 2-094870	520 WEST 110TH ST	NNW 0 - 1/8 (0.095 mi.)	F145	384
241 W 108 ST Facility Id: 2-213705	241 W 108 ST	WNW 0 - 1/8 (0.097 mi.)	K150	394
<b>942 COLUMBUS AV</b> Facility Id: 2-479624	<b>942 COLUMBUS AV</b>	<b>SSE 0 - 1/8 (0.098 mi.)</b>	<b>L152</b>	<b>397</b>
<b>940 AMSTERDAM AVENUE</b> Facility Id: 2-089427	<b>940 AMSTERDAM AVENUE</b>	<b>WSW 0 - 1/8 (0.098 mi.)</b>	<b>I154</b>	<b>402</b>
<b>501 CATHEDRAL PARKWA</b> Facility Id: 2-110124	<b>501 CATHEDRAL PARKWA</b>	<b>NNW 0 - 1/8 (0.099 mi.)</b>	<b>N156</b>	<b>408</b>
943 AMSTERDAM AVE HD Facility Id: 2-607002	943 AMSTERDAM AVE	WSW 0 - 1/8 (0.100 mi.)	I158	412
<b>161 WEST 106TH STREE</b> Facility Id: 2-603341	<b>161 WEST 106TH STREE</b>	<b>SSW 0 - 1/8 (0.102 mi.)</b>	<b>O159</b>	<b>414</b>
<b>153 WEST 106TH STREE</b> Facility Id: 2-470295	<b>153 WEST 106TH STREE</b>	<b>SSW 0 - 1/8 (0.102 mi.)</b>	<b>O160</b>	<b>418</b>
MANHATTAN WEST ASSOC Facility Id: 2-063665	135 WEST 106TH STREE	S 0 - 1/8 (0.102 mi.)	O161	421
115 WEST 106TH STREE Facility Id: 2-606377	115 WEST 106TH STREE	S 0 - 1/8 (0.103 mi.)	L162	423

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>243 W 109TH STREET</b> Facility Id: 2-113999	<b>243 WEST 109TH STREE</b>	<b>NW 0 - 1/8 (0.103 mi.)</b>	<b>P163</b>	<b>425</b>
CITY OF N.Y DEPT OF Facility Id: 2-600997	111 W 106TH ST	S 0 - 1/8 (0.103 mi.)	L164	429
<b>K R F MANAGEMENT CO</b> Facility Id: 2-093548	<b>230 WEST 107 STREET</b>	<b>W 0 - 1/8 (0.104 mi.)</b>	<b>Q169</b>	<b>436</b>
<b>THE BRITAINIA CONDO</b> Facility Id: 2-480495	<b>527 WEST 110TH STREE</b>	<b>NNW 0 - 1/8 (0.104 mi.)</b>	<b>N170</b>	<b>440</b>
109 WEST 106TH STREE Facility Id: 2-605795	109 WEST 106TH STREE	S 0 - 1/8 (0.104 mi.)	L173	446
<b>PNINA REALTY ASSOCIA</b> Facility Id: 2-093459	<b>160 WEST 106TH STREE</b>	<b>SSW 0 - 1/8 (0.104 mi.)</b>	<b>O174</b>	<b>448</b>
<b>JEWISH HOME &amp; HOSPIT</b> Facility Id: 2-150177	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L177</b>	<b>458</b>
244 WEST 109 STREET Facility Id: 2-610083	244 WEST 109 STREET	NW 0 - 1/8 (0.105 mi.)	P184	499
246 WEST 108TH, LLC Facility Id: 2-600163	246 WEST 108TH STREE	WNW 0 - 1/8 (0.107 mi.)	K187	505
AMHERST-CORTLAND & C Facility Id: 2-188182	504-510 WEST 110TH S	N 0 - 1/8 (0.108 mi.)	N189	509
936 AMSTERDAM AVE IN Facility Id: 2-607026	201 WEST 106TH STREE	WSW 0 - 1/8 (0.108 mi.)	R191	514
<b>247 WEST 109TH STREE</b> Facility Id: 2-219533 Facility Id: 2-611300	<b>247 WEST 109TH STREE</b>	<b>NW 0 - 1/8 (0.109 mi.)</b>	<b>P192</b>	<b>516</b>
934 AMSTERDAM AVE Facility Id: 2-278017	934 AMSTERDAM AVE	WSW 0 - 1/8 (0.109 mi.)	R193	522
<b>MARSID REALTY CO</b> Facility Id: 2-210323	<b>535 WEST 110TH STREE</b>	<b>NNW 0 - 1/8 (0.113 mi.)</b>	<b>N205</b>	<b>540</b>
<b>206 WEST 106 STREET</b> Facility Id: 2-148628	<b>206 WEST 106 STREET</b>	<b>WSW 0 - 1/8 (0.114 mi.)</b>	<b>R206</b>	<b>544</b>
<b>233-35 WEST 107TH ST</b> Facility Id: 2-346470	<b>233-35 WEST 107TH ST</b>	<b>W 0 - 1/8 (0.114 mi.)</b>	<b>Q207</b>	<b>547</b>
235 WEST 107TH STREE Facility Id: 2-604402	235 W. 107TH STREET	W 0 - 1/8 (0.118 mi.)	Q211	553
207 W 106TH ST Facility Id: 2-309559	207 WEST 106TH STREE	WSW 0 - 1/8 (0.121 mi.)	R216	561
<b>255 WEST 108 STREET</b> Facility Id: 2-244244	<b>255 WEST 108 STREET</b>	<b>WNW 0 - 1/8 (0.122 mi.)</b>	<b>K218</b>	<b>564</b>
<b>WEST SIDE INN</b> Facility Id: 2-283959	<b>237 WEST 107TH STREE</b>	<b>W 0 - 1/8 (0.122 mi.)</b>	<b>Q222</b>	<b>574</b>
<b>SAMJO REALTY CORP.</b> Facility Id: 2-601490	<b>226 W 108 ST.</b>	<b>WNW 0 - 1/8 (0.123 mi.)</b>	<b>K225</b>	<b>581</b>
<b>CHEMICAL BANK</b> Facility Id: 2-275085	<b>543 CATHEDRAL PARKWA</b>	<b>NNW 0 - 1/8 (0.123 mi.)</b>	<b>N226</b>	<b>584</b>
TRUSTEES OF COLUMBIA Facility Id: 2-239917	257-263 WEST 109 ST	NW 0 - 1/8 (0.125 mi.)	P227	587

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<b>HARMONY HALL</b> Facility Id: 2-600649	<b>544 WEST 110TH STREE</b>	<b>NNW 0 - 1/8 (0.125 mi.)</b>	<b>N228</b>	<b>590</b>
504 W 111 OWNERS COR Facility Id: 2-280143	504 WEST 111ST ST	N 1/8 - 1/4 (0.127 mi.)	N231	597
ST. JOHN COURT Facility Id: 2-194506	500 WEST 111TH ST	N 1/8 - 1/4 (0.129 mi.)	N233	599
AMSTERDAM PORTFOLIO Facility Id: 2-607974	931 AMSTERDAM AVENUE	WSW 1/8 - 1/4 (0.130 mi.)	R234	601
BLENNERHASSET CORP Facility Id: 2-245259	507 WEST 111TH ST	N 1/8 - 1/4 (0.130 mi.)	N236	604
PROVARC CO. INC. Facility Id: 2-607027	930 AMSTERDAM AVENUE	WSW 1/8 - 1/4 (0.131 mi.)	R237	606
928 COLUMBUS HOLDING Facility Id: 2-610393	928 COLUMBUS AVENUE	S 1/8 - 1/4 (0.132 mi.)	L239	611
931-33 COLUMBUS AVEN Facility Id: 2-606989	931 COLUMBUS AVENUE	S 1/8 - 1/4 (0.133 mi.)	L241	613
211 W 106TH ST Facility Id: 2-309435	211 WEST 106TH STREE	W 1/8 - 1/4 (0.134 mi.)	T242	615
<b>SHERER REALTY CORP I</b> Facility Id: 2-117439	<b>513-515 WEST 111TH S</b>	<b>N 1/8 - 1/4 (0.134 mi.)</b>	<b>N243</b>	<b>617</b>
THE STERLING GROUP, Facility Id: 2-374415	929 COLUMBUS AVENUE	S 1/8 - 1/4 (0.135 mi.)	L245	622
929 AMSTERDAM AVE Facility Id: 2-607975	929 AMSTERDAM AVENUE	SW 1/8 - 1/4 (0.136 mi.)	R246	624
926 AMSTERDAM AVE Facility Id: 2-603876	926 AMSTERDAM AVENUE	SW 1/8 - 1/4 (0.137 mi.)	R248	629
107 WEST APARTMENT C Facility Id: 2-097349	245 WEST 107TH ST	WNW 1/8 - 1/4 (0.138 mi.)	Q249	631
926 COLUMBUS AVENUE Facility Id: 2-607973	926 COLUMBUS AVE	S 1/8 - 1/4 (0.139 mi.)	L250	633
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453501	<b>521 WEST 111TH STREE</b>	<b>N 1/8 - 1/4 (0.139 mi.)</b>	<b>N251</b>	<b>635</b>
B M I REALTY CO Facility Id: 2-198730	526 WEST 111TH STREE	N 1/8 - 1/4 (0.140 mi.)	N252	639
927 COLUMBUS AVENUE Facility Id: 2-606988	927 COLUMBUS AVENUE	S 1/8 - 1/4 (0.143 mi.)	V256	646
<b>528 WEST OWNERS CORP</b> Facility Id: 2-194514	<b>528 WEST 111TH ST</b>	<b>N 1/8 - 1/4 (0.144 mi.)</b>	<b>N259</b>	<b>654</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-601609	<b>529 WEST 111TH STREE</b>	<b>N 1/8 - 1/4 (0.146 mi.)</b>	<b>N262</b>	<b>662</b>
<b>M BROTHERS INC.</b> Facility Id: 2-110957	<b>925 COLUMBUS AVENUE</b>	<b>S 1/8 - 1/4 (0.149 mi.)</b>	<b>V265</b>	<b>666</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453919	<b>535 WEST 111TH STREE</b>	<b>NNW 1/8 - 1/4 (0.151 mi.)</b>	<b>Z268</b>	<b>674</b>
<b>RESIDENTIAL APARTMEN</b> Facility Id: 2-326429	<b>238 WEST 106TH STREE</b>	<b>W 1/8 - 1/4 (0.151 mi.)</b>	<b>T269</b>	<b>677</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
536 WEST 111TH STREE Facility Id: 2-242276	536 WEST 111TH STREE	NNW 1/8 - 1/4 (0.151 mi.)	Z270	680
157-161 WEST 105TH S Facility Id: 2-606621	157-161 WEST 105TH S	SSW 1/8 - 1/4 (0.155 mi.)	AA272	686
<b>145 WEST 105 ST</b> Facility Id: 2-479462	<b>145 WEST 105 ST</b>	<b>SSW 1/8 - 1/4 (0.155 mi.)</b>	<b>AA273</b>	<b>688</b>
<b>145-147 WEST 105TH S</b> Facility Id: 2-195685	<b>145-147 WEST 105 ST</b>	<b>SSW 1/8 - 1/4 (0.155 mi.)</b>	<b>AA274</b>	<b>691</b>
<b>P.S 145</b> Facility Id: 2-353744	<b>150 WEST 105TH STREE</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>AA279</b>	<b>710</b>
GROSVENOR NEIGHBORHO Facility Id: 2-216798	176 WEST 105TH STREE	SW 1/8 - 1/4 (0.157 mi.)	AA280	715
107 WEST 105 STREET Facility Id: 2-606811	107 WEST 105TH STREE	S 1/8 - 1/4 (0.157 mi.)	V281	717
<b>120 W 105 ST</b> Facility Id: 2-219428	<b>120 WEST 105 ST</b>	<b>S 1/8 - 1/4 (0.159 mi.)</b>	<b>V282</b>	<b>719</b>
<b>P &amp; R EQUITIES INC</b> Facility Id: 2-153869	<b>262 WEST 107TH ST</b>	<b>WNW 1/8 - 1/4 (0.159 mi.)</b>	<b>AB283</b>	<b>722</b>
<b>JO &amp; WO REALTY CORPP</b> Facility Id: 2-285714	<b>201 WEST 105 STREET</b>	<b>SW 1/8 - 1/4 (0.159 mi.)</b>	<b>AC284</b>	<b>726</b>
<b>545 WEST 111TH ST</b> Facility Id: 2-046590	<b>545 WEST 111TH STREE</b>	<b>NNW 1/8 - 1/4 (0.161 mi.)</b>	<b>Z287</b>	<b>730</b>
<b>SIGMUND FOX</b> Facility Id: 2-100161	<b>106 WEST 105TH STREE</b>	<b>S 1/8 - 1/4 (0.162 mi.)</b>	<b>V288</b>	<b>733</b>
<b>212 WEST 105TH STREE</b> Facility Id: 2-406813	<b>212 WEST 105TH ST</b>	<b>WSW 1/8 - 1/4 (0.167 mi.)</b>	<b>AC291</b>	<b>740</b>
215 WEST 105TH STREE Facility Id: 2-403423	215 WEST 105TH STREE	WSW 1/8 - 1/4 (0.167 mi.)	AC292	744
<b>AMSTERDAM NURSING HO</b> Facility Id: 2-218286	<b>1060 AMSTERDAM AVENU</b>	<b>N 1/8 - 1/4 (0.175 mi.)</b>	<b>W300</b>	<b>756</b>
<b>508 WEST 112TH STREE</b> Facility Id: 2-601344	<b>508-510 WEST 112TH S</b>	<b>N 1/8 - 1/4 (0.176 mi.)</b>	<b>W301</b>	<b>760</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-601610	<b>512 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.177 mi.)</b>	<b>W303</b>	<b>766</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453676	<b>509 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.178 mi.)</b>	<b>W304</b>	<b>769</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453668	<b>511 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.178 mi.)</b>	<b>W305</b>	<b>773</b>
<b>69 WEST 105TH STREET</b> Facility Id: 2-601231	<b>69 WEST 105TH STREET</b>	<b>SSE 1/8 - 1/4 (0.180 mi.)</b>	<b>AF307</b>	<b>778</b>
<b>CINEPLEX ODEON OLYMP</b> Facility Id: 2-069051	<b>2770 BROADWAY</b>	<b>W 1/8 - 1/4 (0.181 mi.)</b>	<b>AB310</b>	<b>785</b>
<b>229 W 105 ST</b> Facility Id: 2-282758	<b>229 W 105 ST</b>	<b>WSW 1/8 - 1/4 (0.181 mi.)</b>	<b>AG311</b>	<b>788</b>
230 W 105 REALTY COR Facility Id: 2-416045	230 WEST 105TH ST	WSW 1/8 - 1/4 (0.183 mi.)	AG313	792

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453641	<b>522 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.184 mi.)</b>	<b>W314</b>	<b>794</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453900	<b>521 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.184 mi.)</b>	<b>W315</b>	<b>798</b>
<b>532 WEST OWNERS CORP</b> Facility Id: 2-194557	<b>532 WEST 111TH ST</b>	<b>NNW 1/8 - 1/4 (0.184 mi.)</b>	<b>X317</b>	<b>801</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453897	<b>523 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.185 mi.)</b>	<b>AH318</b>	<b>805</b>
301 WEST 108TH/300 W Facility Id: 2-248398	301 WEST 108TH/300 W	WNW 1/8 - 1/4 (0.186 mi.)	AD321	811
<b>2790 BROADWAY OWNERS</b> Facility Id: 2-347108	<b>2790 BROADWAY</b>	<b>WNW 1/8 - 1/4 (0.188 mi.)</b>	<b>AB325</b>	<b>821</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453498	<b>530 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.189 mi.)</b>	<b>Z327</b>	<b>826</b>
<b>MANHATTEN VALLEY MGM</b> Facility Id: 2-195650	<b>58 WEST 105 ST</b>	<b>SSE 1/8 - 1/4 (0.190 mi.)</b>	<b>AF331</b>	<b>836</b>
<b>58 WEST 105 ST</b> Facility Id: 2-479470	<b>58 WEST 105 ST</b>	<b>SSE 1/8 - 1/4 (0.190 mi.)</b>	<b>AF332</b>	<b>839</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453471	<b>533 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.192 mi.)</b>	<b>Z335</b>	<b>848</b>
<b>JHJ REALTY LLC</b> Facility Id: 2-252263	<b>55 W 105TH ST</b>	<b>SSE 1/8 - 1/4 (0.192 mi.)</b>	<b>AF336</b>	<b>852</b>
BIG BEAR, LLC (OWNER) Facility Id: 2-603630	101 WEST 104TH ST. (	S 1/8 - 1/4 (0.192 mi.)	V340	867
<b>STAHL BROADWAY CO.</b> Facility Id: 2-602733	<b>225 WEST 106TH STREE</b>	<b>W 1/8 - 1/4 (0.196 mi.)</b>	<b>AJ344</b>	<b>875</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453633	<b>539 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.196 mi.)</b>	<b>Z345</b>	<b>878</b>
<b>NOAM ASSOCIATES</b> Facility Id: 2-272272	<b>2785 BROADWAY</b>	<b>WNW 1/8 - 1/4 (0.198 mi.)</b>	<b>AB350</b>	<b>887</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453986	<b>542 WEST 112TH STREE</b>	<b>N 1/8 - 1/4 (0.198 mi.)</b>	<b>Z353</b>	<b>907</b>
2880 BROADWAY Facility Id: 2-607800	AKA 545 WEST 112TH S	N 1/8 - 1/4 (0.201 mi.)	AH365	925
<b>300 WEST 108 OWNERS</b> Facility Id: 2-045195	<b>300 WEST 108TH ST</b>	<b>WNW 1/8 - 1/4 (0.207 mi.)</b>	<b>AD382</b>	<b>960</b>
119 & 121 WEST 104TH Facility Id: 2-606978	119 WEST 104TH STREE	S 1/8 - 1/4 (0.207 mi.)	AM384	966
<b>BORAY ESTATES</b> Facility Id: 2-270482	<b>300 W 107TH STREET</b>	<b>WNW 1/8 - 1/4 (0.210 mi.)</b>	<b>AQ389</b>	<b>975</b>
<b>206 WEST 104TH ST</b> Facility Id: 2-252697	<b>206 WEST 104TH ST</b>	<b>SW 1/8 - 1/4 (0.212 mi.)</b>	<b>AP395</b>	<b>993</b>
248 W 105 ST Facility Id: 2-481033	248 WEST 105TH STREE	WSW 1/8 - 1/4 (0.213 mi.)	AJ399	1017
<b>HARLINGTON REALTY CO</b> Facility Id: 2-481076	<b>250 WEST 105TH STREE</b>	<b>WSW 1/8 - 1/4 (0.215 mi.)</b>	<b>AJ401</b>	<b>1021</b>

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>309 WEST 109TH STREE</b> Facility Id: 2-112771	<b>309 WEST 109 STREET</b>	<b>NW 1/8 - 1/4 (0.215 mi.)</b>	<b>AO404</b>	<b>1028</b>
<b>MANFAR ASSOCIATES</b> Facility Id: 2-204994	<b>85 WEST 104TH STREET</b>	<b>S 1/8 - 1/4 (0.216 mi.)</b>	<b>AM408</b>	<b>1043</b>
<b>949 WEST END AVENUE</b> Facility Id: 2-270199	<b>949 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.217 mi.)</b>	<b>AQ413</b>	<b>1052</b>
216 W. 104 ST. Facility Id: 2-606552	216 W. 104 ST.	SW 1/8 - 1/4 (0.217 mi.)	AP414	1055
<b>CATHEDRAL</b> Facility Id: 2-365440	<b>215 WEST 104TH STREE</b>	<b>WSW 1/8 - 1/4 (0.217 mi.)</b>	<b>AP416</b>	<b>1060</b>
COLLEGE RESIDENCE CL Facility Id: 2-610439	601 W. 110TH ST	NW 1/8 - 1/4 (0.220 mi.)	AO418	1065
<b>BIJU REALTY CO</b> Facility Id: 2-361232	<b>945 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.220 mi.)</b>	<b>AQ419</b>	<b>1067</b>
<b>ENGINE 47</b> Facility Id: 2-357812	<b>502 WEST 113TH STREE</b>	<b>NNE 1/8 - 1/4 (0.224 mi.)</b>	<b>AT427</b>	<b>1083</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453463	<b>506 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.225 mi.)</b>	<b>AT432</b>	<b>1093</b>
ST. LUKES ROOSEVELT Facility Id: 2-045543	501 WEST 113TH STREE	NNE 1/8 - 1/4 (0.225 mi.)	AT434	1097
TRUSTEES OF COLUMBIA Facility Id: 2-453978	511 WEST 113TH STREE	N 1/8 - 1/4 (0.228 mi.)	AT440	1114
<b>300 WEST 106 STREET</b> Facility Id: 2-148598	<b>300 WEST 106 STREET</b>	<b>W 1/8 - 1/4 (0.229 mi.)</b>	<b>AU441</b>	<b>1117</b>
<b>517 W 113TH ST</b> Facility Id: 2-275956	<b>517 W 113TH ST</b>	<b>N 1/8 - 1/4 (0.230 mi.)</b>	<b>AT444</b>	<b>1124</b>
<b>ASCENSION CHURCH RET</b> Facility Id: 2-204455	<b>302 W 106 ST</b>	<b>W 1/8 - 1/4 (0.230 mi.)</b>	<b>AU445</b>	<b>1127</b>
<b>THE WESTBOURNE</b> Facility Id: 2-601993	<b>930 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.233 mi.)</b>	<b>AU447</b>	<b>1137</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453951	<b>526 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.233 mi.)</b>	<b>AH448</b>	<b>1141</b>
REGENT HOTEL Facility Id: 2-601265	2720 BROADWAY	WSW 1/8 - 1/4 (0.234 mi.)	AS450	1146
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-601613	<b>530 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.235 mi.)</b>	<b>AH453</b>	<b>1151</b>
316 WEST 108TH STREE Facility Id: 2-080470	316 WEST 108TH STREE	WNW 1/8 - 1/4 (0.235 mi.)	AW454	1155
<b>310 WEST 106TH STREE</b> Facility Id: 2-069485	<b>310 WEST 106TH STREE</b>	<b>W 1/8 - 1/4 (0.236 mi.)</b>	<b>AU458</b>	<b>1162</b>
<b>929-31 WEST END AVEN</b> Facility Id: 2-297887	<b>929 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.238 mi.)</b>	<b>AU462</b>	<b>1169</b>
315 WEST 106TH STREE Facility Id: 2-274089	315 WEST 106TH STREE	W 1/8 - 1/4 (0.238 mi.)	AU465	1177
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453935	<b>535 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.239 mi.)</b>	<b>AX467</b>	<b>1180</b>

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<b>BROADWAY 111 ST ASSO</b> Facility Id: 2-406384	<b>600 WEST 111TH ST</b>	<b>NNW 1/8 - 1/4 (0.240 mi.)</b>	<b>AY469</b>	<b>1186</b>
924 WEST END AVE COR Facility Id: 2-155756	924 WEST END AVENUE	W 1/8 - 1/4 (0.244 mi.)	AU476	1221
925 WEST END AVENUE Facility Id: 2-405086	925 WEST END AVENUE	W 1/8 - 1/4 (0.246 mi.)	AU482	1234
DOUGLAS II Facility Id: 2-601873	244 WEST 104TH STREE	WSW 1/8 - 1/4 (0.247 mi.)	AZ483	1236
<b>TRUSTEES OF COLUMBIA</b> Facility Id: 2-453625	<b>549 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.248 mi.)</b>	<b>AX484</b>	<b>1238</b>
605/611 WEST 111TH R Facility Id: 2-091308	605/611 WEST 111TH S	NNW 1/8 - 1/4 (0.248 mi.)	AY487	1245
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TIME WARNER CABLE Facility Id: 2-612210	156 WEST 108TH STREE	SSE 0 - 1/8 (0.001 mi.)	A3	54
WEST 109 PORTFOLIO, Facility Id: 2-608030	118 WEST 109TH STREE	E 0 - 1/8 (0.019 mi.)	B5	58
WEST 109 PORTFOLIO, Facility Id: 2-273511	136 WEST 109TH STREE	ENE 0 - 1/8 (0.020 mi.)	A8	62
107 W 109TH ST Facility Id: 2-336424	107 WEST 109TH STREE	E 0 - 1/8 (0.030 mi.)	B22	92
<b>I.S. 54</b> Facility Id: 2-353906	<b>103 WEST 107TH STREE</b>	<b>SSE 0 - 1/8 (0.058 mi.)</b>	<b>E68</b>	<b>195</b>
PINNACLE AMSTERDAM L Facility Id: 2-607993	961 COLUMBUS AVE	SE 0 - 1/8 (0.062 mi.)	G77	212
<b>72 WEST 108TH STREET</b> Facility Id: 2-070149	<b>72 WEST 108TH STREET</b>	<b>ESE 0 - 1/8 (0.065 mi.)</b>	<b>E84</b>	<b>226</b>
<b>CATHEDRAL PARKWAY TO</b> Facility Id: 2-207195	<b>424 CATHEDRAL PARKWA</b>	<b>ENE 0 - 1/8 (0.067 mi.)</b>	<b>B86</b>	<b>231</b>
<b>TULIP APARTMENTS INC</b> Facility Id: 2-200042	<b>412 WEST 110TH ST</b>	<b>ENE 0 - 1/8 (0.067 mi.)</b>	<b>B87</b>	<b>234</b>
MORNINGSIDE HOUSING Facility Id: 2-303992	410 CATHEDRAL PARKWA	ENE 0 - 1/8 (0.068 mi.)	B90	241
953 COLUMBUS HOLDING Facility Id: 2-610394	953 COLUMBUS AVENUE	SSE 0 - 1/8 (0.078 mi.)	G118	315
70 WEST 108TH STREET Facility Id: 2-455261	70 WEST 108TH STREET	ESE 0 - 1/8 (0.086 mi.)	J123	325
JODANI ASSOCIATES Facility Id: 2-605853	68 WEST 107TH STREET	SE 0 - 1/8 (0.092 mi.)	J140	371
<b>66 W 109 ST</b> Facility Id: 2-277959	<b>66 W 109 ST</b>	<b>ESE 0 - 1/8 (0.094 mi.)</b>	<b>J143</b>	<b>378</b>
66-70 WEST 109TH STR Facility Id: 2-604784	66 WEST 109TH STREET	ESE 0 - 1/8 (0.094 mi.)	J144	382
SUEHAR ASSOCIATES Facility Id: 2-605850	64 WEST 107TH STREET	SE 0 - 1/8 (0.097 mi.)	J149	391

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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>63-67 WEST 107TH STR</b> Facility Id: 2-472891	<b>63 WEST 107TH STREET</b>	<b>SE 0 - 1/8 (0.111 mi.)</b>	<b>J198</b>	<b>530</b>
<b>194/8 MANHATTAN AV</b> Facility Id: 2-479551	<b>194/8 MANHATTAN AV</b>	<b>ESE 0 - 1/8 (0.122 mi.)</b>	<b>J221</b>	<b>571</b>
153 MANHATTAN AVENUE Facility Id: 2-607175	161 MANHATTAN AVENUE	SE 1/8 - 1/4 (0.127 mi.)	S230	595
<b>RSP REALTY LLC</b> Facility Id: 2-269972	<b>65 W 106 STREET</b>	<b>SSE 1/8 - 1/4 (0.140 mi.)</b>	<b>U253</b>	<b>641</b>
3-7 WEST 108TH REALT Facility Id: 2-244953	7 WEST 108TH STREET	SE 1/8 - 1/4 (0.144 mi.)	S258	652
61- W 106 ST REALTY Facility Id: 2-341835	61-63 WEST 106TH STR	SSE 1/8 - 1/4 (0.145 mi.)	U260	658
3-5 WEST 108 ST LLC Facility Id: 2-244961	3-5 & 7-9 WEST 108TH	ESE 1/8 - 1/4 (0.145 mi.)	S261	660
250 MANHATTAN AVENUE Facility Id: 2-606770	250 MANHATTAN AVENUE	E 1/8 - 1/4 (0.149 mi.)	Y266	669
MARC REALTY CO Facility Id: 2-269948	56 WEST 106TH STREET	SSE 1/8 - 1/4 (0.151 mi.)	U267	671
<b>MANHATTAN VENTURA LL</b> Facility Id: 2-314641	<b>53-57 W 106 STREET</b>	<b>SSE 1/8 - 1/4 (0.154 mi.)</b>	<b>U271</b>	<b>683</b>
<b>258 MANHATTAN AVENUE</b> Facility Id: 2-469920	<b>258 MANHATTAN AVENUE</b>	<b>E 1/8 - 1/4 (0.156 mi.)</b>	<b>Y276</b>	<b>697</b>
51 WEST 106 STREET Facility Id: 2-600970	51 WEST 106TH STREET	SSE 1/8 - 1/4 (0.157 mi.)	U277	700
272 MANHATTAN AVE Facility Id: 2-606735	272 MANHATTAN AVENUE	E 1/8 - 1/4 (0.171 mi.)	Y295	749
17-19 WEST 108TH ST. Facility Id: 2-195677	17-19 WEST 108TH STR	ESE 1/8 - 1/4 (0.177 mi.)	AE302	764
15 WEST 108 STREET Facility Id: 2-606743	15 WEST 108TH STREET	ESE 1/8 - 1/4 (0.181 mi.)	AE308	781
<b>SOUTHERN BAPTIST CHU</b> Facility Id: 2-364320	<b>12-16 WEST 108TH STR</b>	<b>ESE 1/8 - 1/4 (0.187 mi.)</b>	<b>AI322</b>	<b>813</b>
15 WEST 107TH STREET Facility Id: 2-607980	15 WEST 107TH STREET	SE 1/8 - 1/4 (0.187 mi.)	AI323	816
11 WEST 108 STREET Facility Id: 2-600944	11 WEST 108TH STREET	ESE 1/8 - 1/4 (0.188 mi.)	AI324	819
10-12 WEST 107TH STR Facility Id: 2-195669	10-12 WEST 107 ST	SE 1/8 - 1/4 (0.190 mi.)	AI329	830
<b>10 WEST 107 ST</b> Facility Id: 2-479446	<b>10 WEST 107 ST</b>	<b>SE 1/8 - 1/4 (0.190 mi.)</b>	<b>AI330</b>	<b>832</b>
<b>477 CENTRAL PARK WES</b> Facility Id: 2-093114	<b>477 CENTRAL PARK WES</b>	<b>ESE 1/8 - 1/4 (0.191 mi.)</b>	<b>AI333</b>	<b>842</b>
<b>THE 467 CONDOMINIUM</b> Facility Id: 2-093092	<b>467 CENTRAL PARK WES</b>	<b>SE 1/8 - 1/4 (0.194 mi.)</b>	<b>AK343</b>	<b>871</b>
HARLEM VALLEY Facility Id: 2-609458	282 MANHATTAN AVENUE	ENE 1/8 - 1/4 (0.197 mi.)	AL347	883

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C S WEST 107TH STREE Facility Id: 2-610624	6 WEST 107TH STREET	SE 1/8 - 1/4 (0.200 mi.)	AK358	913
4-10 WEST 108TH ST Facility Id: 2-607983	4-10 WEST 108TH STRE	ESE 1/8 - 1/4 (0.200 mi.)	AI360	915
21 WEST 106TH STREET Facility Id: 2-607979	21 WEST 106TH STREET	SE 1/8 - 1/4 (0.201 mi.)	AK361	917
480 PARK AVENUE CORP Facility Id: 2-393835	480 PARK AVENUE	ESE 1/8 - 1/4 (0.201 mi.)	AE369	944
13-19 DUKE ELLINGTON Facility Id: 2-455253	17 WEST 106 STREET	SE 1/8 - 1/4 (0.205 mi.)	AK375	950
485 CPW OWNERS CORPO Facility Id: 2-404454	485 CENTRAL PARK WES	ESE 1/8 - 1/4 (0.206 mi.)	AE379	957
D-E-B-H-D-F-C CO-OP. Facility Id: 2-602336	15 WEST 106TH STREET	SE 1/8 - 1/4 (0.208 mi.)	AK385	968
<b>13 WEST 106 ST</b> Facility Id: 2-479454	<b>13 WEST 106 ST</b>	<b>SE 1/8 - 1/4 (0.211 mi.)</b>	<b>AK390</b>	<b>978</b>
<b>UPWEST LLC</b> Facility Id: 2-335878	<b>471/473/473/474/475</b>	<b>SE 1/8 - 1/4 (0.212 mi.)</b>	<b>AK391</b>	<b>982</b>
JOBMAN 478/480 LP Facility Id: 2-146110	478 CENTRAL PARK WES	SE 1/8 - 1/4 (0.212 mi.)	AK392	985
<b>APARTMENT HOUSE</b> Facility Id: 2-214086	<b>461 CENTRAL PARK WES</b>	<b>SE 1/8 - 1/4 (0.221 mi.)</b>	<b>AK421</b>	<b>1072</b>
<b>DOUBLE DOWN REALTY C</b> Facility Id: 2-095117	<b>312 MANHATTAN AVE</b>	<b>ENE 1/8 - 1/4 (0.250 mi.)</b>	<b>BB492</b>	<b>1265</b>

### ***State and tribal Brownfields sites***

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 03/25/2015 has revealed that there is 1 NY BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER 110TH STREET Site Code: 490268	2040 FREDERICK DOUGL	E 1/8 - 1/4 (0.245 mi.)	AN477	1223

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Lists of Registered Storage Tanks***

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there

## EXECUTIVE SUMMARY

are 16 NY HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>981 AMSTERDAM AVENUE</b> Facility Status: 1 PBS Number: 2-606766 Tank Status: 1	<b>981 AMSTERDAM AVENUE</b>	<b>WNW 0 - 1/8 (0.028 mi.)</b>	<b>D12</b>	<b>71</b>
<b>ASCENSION SCHOOL</b> Facility Status: 1 PBS Number: 2-204447 Tank Status: 1	<b>224 W 108 ST</b>	<b>WNW 0 - 1/8 (0.070 mi.)</b>	<b>D105</b>	<b>287</b>
<b>211 W 107 STREET COR</b> Facility Status: 3 PBS Number: 2-600743 Tank Status: 7	<b>211 W 107 STREET</b>	<b>W 0 - 1/8 (0.074 mi.)</b>	<b>I111</b>	<b>301</b>
<b>JEWISH HOME &amp; HOSPIT</b> Facility Status: 1 PBS Number: 2-150177 Tank Status: 1	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L177</b>	<b>458</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Status: 1 PBS Number: 2-453994 Tank Status: 1	<b>518 WEST 111TH STREE</b>	<b>N 1/8 - 1/4 (0.136 mi.)</b>	<b>N247</b>	<b>626</b>
<b>209 CONDOMINIUM</b> Facility Status: 1 PBS Number: 2-195006 Tank Status: 1	<b>209 WEST 104TH STREE</b>	<b>SW 1/8 - 1/4 (0.213 mi.)</b>	<b>AP396</b>	<b>996</b>
<b>ENGINE 47</b> Facility Status: 1 PBS Number: 2-357812 Tank Status: 4	<b>502 WEST 113TH STREE</b>	<b>NNE 1/8 - 1/4 (0.224 mi.)</b>	<b>AT427</b>	<b>1083</b>
<b>LANCASTER STUDIO ASS</b> Facility Status: 1 PBS Number: 2-290106 Tank Status: 1	<b>936 WEST END AVENUE</b>	<b>W 1/8 - 1/4 (0.227 mi.)</b>	<b>AU438</b>	<b>1107</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Status: 1 PBS Number: 2-453943 Tank Status: 1	<b>536 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.238 mi.)</b>	<b>AX463</b>	<b>1173</b>
<b>CITIBANK,NA</b> Facility Status: 2 PBS Number: 2-129801 Tank Status: 4	<b>2861 BROADWAY</b>	<b>NNW 1/8 - 1/4 (0.241 mi.)</b>	<b>AY470</b>	<b>1189</b>
<b>TRUSTEES OF COLUMBIA</b> Facility Status: 1 PBS Number: 2-453927 Tank Status: 1	<b>541 WEST 113TH STREE</b>	<b>N 1/8 - 1/4 (0.243 mi.)</b>	<b>AX475</b>	<b>1218</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>E &amp; B OPERATING CORP</b> Facility Status: 2 PBS Number: 2-145416 Tank Status: 4	<b>137 W 108 ST</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A1</b>	<b>48</b>

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
15 WEST 108 STREET Facility Status: 1 PBS Number: 2-606743 Tank Status: 1	15 WEST 108TH STREET	ESE 1/8 - 1/4 (0.181 mi.)	AE309	783
447/448 CENTRAL PARK Facility Status: 1 PBS Number: 2-602019 Tank Status: 1	447/448 CENTRAL PARK	ESE 1/8 - 1/4 (0.201 mi.)	AE367	931
<b>110TH STREET SERVICE</b> Facility Status: 1 PBS Number: 2-480665 Tank Status: 3	<b>2040 EIGHTH AVENUE</b>	<b>E 1/8 - 1/4 (0.241 mi.)</b>	<b>AN472</b>	<b>1194</b>
<b>2053 FREDERICK DOUGL</b> Facility Status: 2 PBS Number: 2-605841 Tank Status: 3	<b>2053 FREDERICK DOUGL</b>	<b>E 1/8 - 1/4 (0.245 mi.)</b>	<b>AV480</b>	<b>1227</b>

### **Records of Emergency Release Reports**

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 03/19/2015 has revealed that there are 67 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
W. 108TH ST & AMSTER Site ID: 291249 Spill Number/Closed Date: 9506936 / 2/1/2005 spillno: 9506936	W. 108TH ST & AMSTER	WNW 0 - 1/8 (0.029 mi.)	D16	82
WEST 108 ST / AMSTER Site ID: 99055 Spill Number/Closed Date: 9812614 / 8/14/2009 spillno: 9812614	W. 108TH ST / AMSTER	WNW 0 - 1/8 (0.030 mi.)	D19	88
VAULT 5176 Site ID: 123492 Spill Number/Closed Date: 0012838 / 8/24/2001 spillno: 0012838	W108TH ST/AMSTERDAM	WNW 0 - 1/8 (0.030 mi.)	D20	90
MANHAOLE 60621 Site ID: 225948 Spill Number/Closed Date: 9808753 / 11/4/2003 spillno: 9808753	W 109TH ST & AMSTERD	NNW 0 - 1/8 (0.036 mi.)	C25	99
BASEMENT FLOOR Site ID: 469699 Spill Number/Closed Date: 1206691 / 10/9/2012 spillno: 1206691	175 W 107TH ST	W 0 - 1/8 (0.037 mi.)	D27	101
LEAKING SWITCH Site ID: 234289 Spill Number/Closed Date: 9913031 / 11/16/2004 spillno: 9913031	109TH ST/AMSTERDAM A	NNW 0 - 1/8 (0.037 mi.)	D31	108

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
W 110TH ST SUBSTATIO Site ID: 253737 Spill Number/Closed Date: 0008911 / 5/7/2001 spillno: 0008911	1001 AMSTERDAM AVE	NNW 0 - 1/8 (0.037 mi.)	C32	109
WEST 110 SUBSTATION Site ID: 333354 Spill Number/Closed Date: 0408583 / 5/19/2005 spillno: 0408583	110 STREET	NNW 0 - 1/8 (0.038 mi.)	C36	115
WEST 110TH ST SUBSTA Site ID: 139636 Spill Number/Closed Date: 0007881 / 3/14/2003 spillno: 0007881	100TH ST SUBSTATION	NNE 0 - 1/8 (0.052 mi.)	C57	178
WEST 110 SUBSTATION Site ID: 337903 Spill Number/Closed Date: 0412434 / 5/27/2005 spillno: 0412434	464 WEST 107TH STREE	NNE 0 - 1/8 (0.052 mi.)	C59	180
SPILL NUMBER 0102245 Site ID: 262510 Spill Number/Closed Date: 0102245 / 3/19/2003 spillno: 0102245	W 110TH ST SUBSTATIO	NNE 0 - 1/8 (0.052 mi.)	C60	182
APARTMENT BLDG. Site ID: 310504 Spill Number/Closed Date: 0400815 / 4/23/2004 spillno: 0400815	963 AMSTERDAM AVE.	W 0 - 1/8 (0.052 mi.)	D61	183
MANHOLE 24535 Site ID: 95139 Spill Number/Closed Date: 0006475 / 12/20/2001 spillno: 0006475	WEST 107TH/AMSTERDAM	W 0 - 1/8 (0.058 mi.)	I66	191
215 WEST 109TH ST/MA Site ID: 102109 Spill Number/Closed Date: 8901712 / 5/22/1989 spillno: 8901712	215 WEST 109TH STREE	NNW 0 - 1/8 (0.059 mi.)	F70	201
218 W 108 Site ID: 199455 Spill Number/Closed Date: 0303111 / 8/19/2009 spillno: 0303111	218 WEST 108TH ST	WNW 0 - 1/8 (0.060 mi.)	D74	210
SPILL NUMBER 0313925 Site ID: 63339 Spill Number/Closed Date: 0313925 / 3/22/2004 spillno: 0313925	205 WEST 107 ST	W 0 - 1/8 (0.064 mi.)	I80	219
205 W. 107TH ST Site ID: 320837 Spill Number/Closed Date: 0313928 / 3/22/2004 spillno: 0313928	205 W. 107TH ST	W 0 - 1/8 (0.064 mi.)	I81	220
EMPIRE STATE OIL CO. Site ID: 63338 Spill Number/Closed Date: 0313922 / 12/3/2008 spillno: 0313922	205 WEST 107 ST	W 0 - 1/8 (0.064 mi.)	I82	221
WEST 110TH ST SUBSTA Site ID: 317185 Spill Number/Closed Date: 0008613 / 3/14/2003 spillno: 0008613	464 WEST 110TH ST	NNE 0 - 1/8 (0.068 mi.)	C91	243

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON ED SUB STATION Site ID: 469722 Spill Number/Closed Date: 1206714 / 6/4/2013 spillno: 1206714	464 WEST 110TH STREE	NNE 0 - 1/8 (0.068 mi.)	C92	244
WEST 110 TH SUBSTATI Site ID: 98501 Spill Number/Closed Date: 0313326 / 6/4/2004 spillno: 0313326	460 WEST 110TH ST	NNE 0 - 1/8 (0.069 mi.)	C93	245
WEST 110 ST SUBSTATI Site ID: 117027 Spill Number/Closed Date: 9810872 / 8/4/2008 spillno: 9810872	464 W 110TH STREET	NNE 0 - 1/8 (0.069 mi.)	C94	246
ROADWAY Site ID: 145302 Spill Number/Closed Date: 9908192 / 2/20/2002 spillno: 9908192	IFO 464 W 110TH ST	NNE 0 - 1/8 (0.069 mi.)	C95	248
WEST 110 ST SUBSTATI Site ID: 384268 Site ID: 381886 Spill Number/Closed Date: 0704173 / 11/8/2007 Spill Number/Closed Date: 0702201 / 6/28/2007 spillno: 0704173 spillno: 0702201	464 WEST 110 STREET	NNE 0 - 1/8 (0.069 mi.)	C96	249
STREET Site ID: 483427 Spill Number/Closed Date: 1302971 / 8/13/2013 spillno: 1302971	464 WEST 110TH STREE	NNE 0 - 1/8 (0.069 mi.)	C97	251
<b>WEST 110TH ST SUBSTA</b> Site ID: 274355 Site ID: 117160 Site ID: 260664 Site ID: 153891 Site ID: 94763 <i>*Additional key fields are available in the Map Findings section</i> Spill Number/Closed Date: 0306052 / 10/23/2006 Spill Number/Closed Date: 0205701 / 1/14/2004 Spill Number/Closed Date: 9907335 / 11/4/2004 Spill Number/Closed Date: 0107500 / 11/4/2004 Spill Number/Closed Date: 0304770 / 9/19/2003 <i>*Additional key fields are available in the Map Findings section</i> spillno: 9810939 spillno: 0208781 spillno: 0010456 spillno: 0012383 spillno: 9604821 <i>*Additional key fields are available in the Map Findings section</i>	<b>464 WEST 110TH STREE</b>	<b>NNE 0 - 1/8 (0.069 mi.)</b>	<b>C99</b>	<b>268</b>
110TH STREET SUBSTAT Site ID: 333349 Spill Number/Closed Date: 0408578 / 1/10/2008 spillno: 0408578	464 W. 110 STREET	NNE 0 - 1/8 (0.069 mi.)	C100	275
WEST 110 ST S/S. POT Site ID: 383866 Site ID: 382566 Site ID: 390592 Spill Number/Closed Date: 0703846 / 8/20/2007 Spill Number/Closed Date: 0702776 / 7/23/2007 Spill Number/Closed Date: 0709504 / Not Reported spillno: 0703846 spillno: 0702776 spillno: 0709504	464 WEST 110 STREET.	NNE 0 - 1/8 (0.069 mi.)	C101	276

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
W 110 ST S/S. XFMR # Site ID: 382096 Spill Number/Closed Date: 0702404 / 11/8/2007 spillno: 0702404	464 WEST 110 STREET	NNE 0 - 1/8 (0.069 mi.)	C102	279
VAULT 6400 Site ID: 346388 Spill Number/Closed Date: 0502094 / 7/26/2005 spillno: 0502094	OPP 1012 AMSTERDAM A	NNW 0 - 1/8 (0.072 mi.)	F108	295
W 110 ST SUBSTATION Site ID: 322453 Spill Number/Closed Date: 9507164 / 7/27/2004 spillno: 9507164	W 110TH ST & AMSTERD	N 0 - 1/8 (0.076 mi.)	F112	308
MANHOLE #60415 Site ID: 149267 Spill Number/Closed Date: 0104878 / 8/7/2001 spillno: 0104878	WEST 110TH ST/AMSTER	N 0 - 1/8 (0.077 mi.)	F113	309
214109; 110TH ST AND Site ID: 432686 Spill Number/Closed Date: 0814536 / 11/25/2008 spillno: 0814536	110TH ST AND AMSTERD	N 0 - 1/8 (0.077 mi.)	F115	311
ROADWAY Site ID: 477562 Spill Number/Closed Date: 1214327 / 1/10/2013 spillno: 1214327	500 WEST 110 STREET	N 0 - 1/8 (0.078 mi.)	F116	312
JOHN KLEIN BUILDING Site ID: 444510 Spill Number/Closed Date: 1010893 / 2/2/2011 spillno: 1010893	229 WEST 109TH ST	NW 0 - 1/8 (0.081 mi.)	F120	318
235 WEST 109TH ST/MA Site ID: 221054 Spill Number/Closed Date: 9011700 / 2/7/1991 spillno: 9011700	235 WEST 109TH STREE	NW 0 - 1/8 (0.089 mi.)	F131	348
<b>ASCENSION CHURCH</b> Site ID: 163855 Site ID: 163854 Spill Number/Closed Date: 0005210 / 5/3/2004 Spill Number/Closed Date: 0109063 / 12/26/2001 spillno: 0109063 spillno: 0005210	<b>221 WEST 107TH ST</b>	<b>W 0 - 1/8 (0.092 mi.)</b>	<b>I138</b>	<b>365</b>
CHURCH Site ID: 97950 Spill Number/Closed Date: 0210493 / 11/14/2003 spillno: 0210493	221 W 107TH ST	W 0 - 1/8 (0.092 mi.)	I139	370
<b>520 WEST 110TH CONDO</b> Site ID: 240439 Spill Number/Closed Date: 9506543 / 8/28/1995 spillno: 9506543	<b>520 WEST 110TH ST</b>	<b>NNW 0 - 1/8 (0.095 mi.)</b>	<b>F146</b>	<b>386</b>
RESIDENCE Site ID: 337985 Spill Number/Closed Date: 0412493 / 2/28/2005 spillno: 0412493	527 W. 110TH ST	NNW 0 - 1/8 (0.104 mi.)	N171	444

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>VAULT 1262</b> Site ID: 157230 Site ID: 284536 Site ID: 210815 Site ID: 270536 Spill Number/Closed Date: 0302524 / 2/10/2004 Spill Number/Closed Date: 9613838 / 7/7/2008 Spill Number/Closed Date: 9409796 / 10/21/1994 Spill Number/Closed Date: 0011320 / 10/28/2003 spillno: 9613838 spillno: 0302524 spillno: 9409796 spillno: 0011320	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L176</b>	<b>452</b>
<b>JEWISH HOME &amp; HOSPIT</b> Site ID: 373697 Site ID: 359266 Spill Number/Closed Date: 0512881 / 10/21/2008 Spill Number/Closed Date: 0609452 / 7/1/2008 spillno: 0609452 spillno: 0512881	<b>120 WEST 106TH STREE</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L177</b>	<b>458</b>
107 W. 106TH STREET Site ID: 224936 Spill Number/Closed Date: 9415828 / 11/22/1996 spillno: 9415828	107 W. 106TH STREET	S 0 - 1/8 (0.105 mi.)	L182	494
<b>APARTMENT BUILDING</b> Site ID: 345561 Spill Number/Closed Date: 0501425 / 5/17/2006 spillno: 0501425	<b>246 WEST 108TH STREE</b>	<b>WNW 0 - 1/8 (0.107 mi.)</b>	<b>K185</b>	<b>501</b>
246 W. 108TH , LLC Site ID: 348412 Spill Number/Closed Date: 0503738 / 7/1/2005 spillno: 0503738	246 W. 108TH ST.	WNW 0 - 1/8 (0.107 mi.)	K186	504
504-516 WEST 110TH S Site ID: 250461 Spill Number/Closed Date: 9412255 / Not Reported spillno: 9412255	510 WEST 110TH ST	N 0 - 1/8 (0.108 mi.)	N188	507
106 AT AND COLUMBUS Site ID: 71269 Spill Number/Closed Date: 0312873 / 2/24/2004 spillno: 0312873	106 ST AND COLUMBUS	SSE 0 - 1/8 (0.111 mi.)	L199	533
I/A/O WEST 106TH ST Site ID: 412377 Spill Number/Closed Date: 0900438 / 4/15/2009 spillno: 0900438	WEST 106TH ST & COLU	SSE 0 - 1/8 (0.111 mi.)	L200	534
MANHOLE # 30740 Site ID: 346011 Spill Number/Closed Date: 0501779 / 12/27/2005 spillno: 0501779	WEST 106TH STREET/CO	SSE 0 - 1/8 (0.111 mi.)	L202	537
RESIDENCE Site ID: 238001 Spill Number/Closed Date: 0101593 / 5/12/2001 spillno: 0101593	160 W.106TH ST	SW 0 - 1/8 (0.113 mi.)	O204	539

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
514 WEST 110TH ST Site ID: 70877 Spill Number/Closed Date: 0010596 / 12/30/2005 spillno: 0010596	514 WEST 110TH ST	NNW 0 - 1/8 (0.116 mi.)	P208	551
SPILL NUMBER 9713191 Site ID: 181035 Spill Number/Closed Date: 9713191 / 2/26/1998 spillno: 9713191	207 WEST 106TH STREE	WSW 0 - 1/8 (0.121 mi.)	R215	560
BLDG Site ID: 391868 Spill Number/Closed Date: 0710533 / 1/11/2008 spillno: 0710533	255 W 108TH ST	WNW 0 - 1/8 (0.122 mi.)	K219	568
237 W 107TH STREET Site ID: 266097 Spill Number/Closed Date: 8800107 / 4/5/1988 spillno: 8800107	237 EAST 107TH STREE	W 0 - 1/8 (0.123 mi.)	Q224	579
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FIFTY GAL IN MH 1797 Site ID: 400837 Spill Number/Closed Date: 0804009 / 9/16/2008 spillno: 0804009	156 WEST 108 STREET	SSE 0 - 1/8 (0.001 mi.)	A4	57
136-146 W 109TH ST Site ID: 156869 Spill Number/Closed Date: 9512782 / 11/22/1996 spillno: 9512782	136-146 W 109TH ST	ENE 0 - 1/8 (0.020 mi.)	A6	60
108TH STREET Site ID: 148924 Spill Number/Closed Date: 9712907 / 2/19/1998 spillno: 9712907	108TH STREET	ESE 0 - 1/8 (0.022 mi.)	A11	70
MAN HOLE #17969 Site ID: 296204 Spill Number/Closed Date: 0005128 / 10/24/2001 spillno: 0005128	103 WEST 108TH ST	ESE 0 - 1/8 (0.031 mi.)	E23	94
WEST 109TH ST & COLU Site ID: 120277 Spill Number/Closed Date: 9900327 / 1/28/2004 spillno: 9900327	W.109TH ST & COLUMBU	E 0 - 1/8 (0.042 mi.)	B42	135
MANHOLE 30749 Site ID: 346096 Spill Number/Closed Date: 0501809 / 4/5/2006 spillno: 0501809	WEST 107 ST COLUMBUS	SE 0 - 1/8 (0.062 mi.)	E75	211
COLUMBUS AVE & 110TH Site ID: 247838 Spill Number/Closed Date: 9602472 / 5/21/1996 spillno: 9602472	COLUMBUS AVE & 110TH	ENE 0 - 1/8 (0.074 mi.)	110	300
953 COLUMBUS AVENUE/ Site ID: 247364 Spill Number/Closed Date: 9000913 / 4/26/1990 spillno: 9000913	953 COLUMBUS AVENUE	SSE 0 - 1/8 (0.078 mi.)	G119	317

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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
APARTMENT BLDG Site ID: 442105 Spill Number/Closed Date: 1008608 / 11/17/2010 spillno: 1008608	64 WEST 107TH ST	SE 0 - 1/8 (0.097 mi.)	J148	390
219446; 193 MANHATTA Site ID: 433789 Spill Number/Closed Date: 0914653 / 7/8/2010 spillno: 0914653	193 MANHATTAN AVENUE	ESE 0 - 1/8 (0.105 mi.)	J179	478
193 MANHATTAN AVE Site ID: 230368 Site ID: 230369 Spill Number/Closed Date: 9709567 / 12/16/1997 Spill Number/Closed Date: 9708280 / 10/15/1997 spillno: 9708280 spillno: 9709567	193 MANHATTAN AVE	ESE 0 - 1/8 (0.105 mi.)	J180	479
SPILL NUMBER 0210330 Site ID: 92336 Spill Number/Closed Date: 0210330 / 1/15/2003 spillno: 0210330	360 CATHEDRAL PARKWA	E 0 - 1/8 (0.117 mi.)	M210	552
NYNEX - 108TH ST Site ID: 152394 Spill Number/Closed Date: 9510435 / 12/12/1995 spillno: 9510435	108TH ST & MANHATTAN	ESE 0 - 1/8 (0.121 mi.)	J213	556

### **Other Ascertainable Records**

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2014 has revealed that there are 51 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON MANHOLE 2	W 109TH ST & AMSTERD	NNW 0 - 1/8 (0.037 mi.)	D30	106
PROYOUNGSUN CLEANERS	982 AMSTERDAM AVE	NW 0 - 1/8 (0.042 mi.)	D40	121
PADDED WAGON MOVERS	120 W 107TH ST	SSE 0 - 1/8 (0.051 mi.)	G53	158
CON EDISON MANHOLE 2	W 107TH ST & AMSTERD	W 0 - 1/8 (0.059 mi.)	I69	200
CON EDISON SERVICE B	446 CATHEDRAL PKWY F	NE 0 - 1/8 (0.068 mi.)	88	238
CON EDISON SERVICE B	473 CATHEDRAL PKWY F	NNE 0 - 1/8 (0.071 mi.)	C106	291
CON EDISON SERVICE B	221 W 107TH ST	W 0 - 1/8 (0.092 mi.)	I137	362
NYCHA - AUDUBON BETH	945 AMSTERDAM AVE	WSW 0 - 1/8 (0.095 mi.)	I147	388
CLE CLEANER	942 COLUMBUS AVE	SSE 0 - 1/8 (0.098 mi.)	L153	400
110 HOLDING CORP	501 W 110TH ST	NNW 0 - 1/8 (0.099 mi.)	N155	406
JEWISH HOME & HOSPIT	120 W 106TH ST	S 0 - 1/8 (0.104 mi.)	L178	474
ASHLAND ENV - AMHERS	504-510 W 110TH ST	N 0 - 1/8 (0.108 mi.)	N190	511
CON EDISON SERVICE B	111-113 W 96TH ST &	N 1/8 - 1/4 (0.126 mi.)	N229	593
CON EDISON SERVICE B	927 COLUMBUS AVE FRO	S 1/8 - 1/4 (0.143 mi.)	V255	645
CON EDISON MANHOLE:	221 W 105TH ST	WSW 1/8 - 1/4 (0.173 mi.)	AC297	752

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON SERVICE B	112-114 W 100TH ST &	N 1/8 - 1/4 (0.174 mi.)	W299	754
YAT SING CLEANERS	2808 BROADWAY	NW 1/8 - 1/4 (0.192 mi.)	AD339	856
300 WEST 108 OWNERS	300 W 108TH ST	WNW 1/8 - 1/4 (0.207 mi.)	AD383	963
WOOLWORTH CORP	2831 BROADWAY	NW 1/8 - 1/4 (0.212 mi.)	AO394	991
CON EDISON SERVICE B	250 W 105TH	WSW 1/8 - 1/4 (0.215 mi.)	AJ400	1019
CON EDISON SERVICE B	2730 BROADWAY	WSW 1/8 - 1/4 (0.215 mi.)	AG403	1026
DANI CLEANERS	896 AMSTERDAM AVE	SW 1/8 - 1/4 (0.215 mi.)	AP407	1032
V9791	219 W 104TH STREET	WSW 1/8 - 1/4 (0.222 mi.)	AG422	1075
CON EDISON SERVICE B	2726 BROADWAY	WSW 1/8 - 1/4 (0.222 mi.)	AG423	1077
CON EDISON MANHOLE:	AMSTERDAM AVE & 113T	NNE 1/8 - 1/4 (0.223 mi.)	AT426	1080
CON EDISON SERVICE B	936 WESTEND AVE FRON	W 1/8 - 1/4 (0.224 mi.)	AU430	1089
NYCHA - DOUGLASS HOU	885 COLUMBUS AVE	S 1/8 - 1/4 (0.226 mi.)	AM435	1099
CON EDISON MANHOLE 5	WEST END AVE & W 106	W 1/8 - 1/4 (0.226 mi.)	AU436	1102
CON EDISON SERVICE B	2720 BROADWAY	WSW 1/8 - 1/4 (0.234 mi.)	AS451	1149
CON EDISON SERVICE B	1084 AMSTERDAM AVE F	NNE 1/8 - 1/4 (0.235 mi.)	AT455	1157
CON EDISON SERVICE B	890 COLUMBUS AVE FRO	S 1/8 - 1/4 (0.236 mi.)	AM456	1159
NEW YORK CITY HOUSIN	DOUGLASS HOUSES	WSW 1/8 - 1/4 (0.245 mi.)	AS481	1230
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
CON EDISON SERVICE B	148 W 108TH ST & E O	0 - 1/8 (0.001 mi.)	A2	53
NYC BD OF ED - IS 54	103 W 107TH ST	SSE 0 - 1/8 (0.058 mi.)	E67	192
JEWISH HOME & HOSPIT	102 W 107TH ST	SSE 0 - 1/8 (0.060 mi.)	G73	208
CON EDISON MANHOLE 1	67 W 107TH ST	SE 0 - 1/8 (0.105 mi.)	J183	495
CON EDISON SERVICE B	204 MANHATTAN AVE FR	ESE 0 - 1/8 (0.122 mi.)	J220	569
CON EDISON GAS MAIN	MANHATTAN AVE & W 10	ESE 0 - 1/8 (0.123 mi.)	M223	577
CON EDISON SERVICE B	MANHATTAN AVE & 107T	SE 1/8 - 1/4 (0.131 mi.)	S238	609
CON EDISON	W 110TH ST & MANHATT	E 1/8 - 1/4 (0.135 mi.)	M244	621
SHAIO VICTOR RESIDEN	480 PARK AVE APT 16A	ESE 1/8 - 1/4 (0.201 mi.)	AE366	929
POTISMAN CLEANERS IN	480 PARK AVE - BASEM	ESE 1/8 - 1/4 (0.201 mi.)	AE368	933
CON EDISON SERVICE B	CENTRAL PARK WEST &	ESE 1/8 - 1/4 (0.205 mi.)	AE377	953
CON EDISON - MH2955	W.109 ST. AND C.P.W.	ESE 1/8 - 1/4 (0.205 mi.)	AE378	955
CON EDISON SERVICE B	312 W 112TH ST	ENE 1/8 - 1/4 (0.217 mi.)	AL409	1046
CON EDISON GAS MAIN	311 W 111TH ST GAS M	E 1/8 - 1/4 (0.229 mi.)	AV442	1120
R & S STRAUSS	2027 8TH AVE	E 1/8 - 1/4 (0.230 mi.)	AN443	1122
CON EDISON	W 110TH ST & MANHATT	E 1/8 - 1/4 (0.238 mi.)	AV461	1168
110TH STREET SERVICE	2040 8TH AVE	E 1/8 - 1/4 (0.241 mi.)	AN473	1214
CON EDISON SERVICE B	2056-2058 8TH AVE FR	E 1/8 - 1/4 (0.249 mi.)	AV489	1248
CON EDISON SERVICE B	312 MANHATTAN AVE FR	ENE 1/8 - 1/4 (0.250 mi.)	BB493	1268

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 01/23/2015 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON RIVER PCBS	NO STREET APPLICABLE	WNW 1/4 - 1/2 (0.450 mi.)	0	8

## EXECUTIVE SUMMARY

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.450 mi.)</b>	<b>0</b>	<b>8</b>

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2015 has revealed that there are 100 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004288890	<b>AMSTERDAM AVE &amp; 108T</b>	<b>WNW 0 - 1/8 (0.029 mi.)</b>	<b>D13</b>	<b>74</b>
NYSDEC BUREAU OF SPI EPA ID: NYP000543191	W 108TH ST & AMSTERD	WNW 0 - 1/8 (0.029 mi.)	D14	76
<b>CON EDISON</b> EPA Id: NYP004159588	<b>W 108TH ST &amp; AMSTERD</b>	<b>WNW 0 - 1/8 (0.029 mi.)</b>	<b>D15</b>	<b>77</b>
<b>CON EDISON MANHOLE 2</b> EPA ID: NYP004248346	<b>W 109TH ST &amp; AMSTERD</b>	<b>NNW 0 - 1/8 (0.037 mi.)</b>	<b>D30</b>	<b>106</b>
<b>PROYOUNGSUN CLEANERS</b> EPA ID: NYD980789630	<b>982 AMSTERDAM AVE</b>	<b>NW 0 - 1/8 (0.042 mi.)</b>	<b>D40</b>	<b>121</b>
<b>PADDED WAGON MOVERS</b> EPA ID: NYD044707305	<b>120 W 107TH ST</b>	<b>SSE 0 - 1/8 (0.051 mi.)</b>	<b>G53</b>	<b>158</b>
<b>CON EDISON MANHOLE 2</b> EPA ID: NYP004248726	<b>W 107TH ST &amp; AMSTERD</b>	<b>W 0 - 1/8 (0.059 mi.)</b>	<b>I69</b>	<b>200</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004337424	<b>446 CATHEDRAL PKWY F</b>	<b>NE 0 - 1/8 (0.068 mi.)</b>	<b>88</b>	<b>238</b>
<b>CON EDISON - WEST 11</b> EPA ID: NYR000002501	<b>464 W 110TH ST</b>	<b>NNE 0 - 1/8 (0.069 mi.)</b>	<b>C98</b>	<b>252</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004337440	<b>473 CATHEDRAL PKWY F</b>	<b>NNE 0 - 1/8 (0.071 mi.)</b>	<b>C106</b>	<b>291</b>
CONSOLIDATED EDISON EPA ID: NYP004095733	W110 ST & AMSTERDAM	N 0 - 1/8 (0.077 mi.)	F114	310
<b>NYC BD OF ED - PUBLI</b> EPA ID: NY0000377481	<b>234 W 109TH ST</b>	<b>NW 0 - 1/8 (0.089 mi.)</b>	<b>F128</b>	<b>337</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004243549	<b>221 W 107TH ST</b>	<b>W 0 - 1/8 (0.092 mi.)</b>	<b>I137</b>	<b>362</b>
<b>110 HOLDING CORP</b> EPA ID: NY0000987529	<b>501 W 110TH ST</b>	<b>NNW 0 - 1/8 (0.099 mi.)</b>	<b>N155</b>	<b>406</b>
<b>CON EDISON MANHOLE:</b> EPA ID: NYP004262937	<b>111 W 106TH ST W OF</b>	<b>S 0 - 1/8 (0.103 mi.)</b>	<b>L165</b>	<b>431</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004265203	<b>111 W 106TH ST</b>	<b>S 0 - 1/8 (0.103 mi.)</b>	<b>L166</b>	<b>433</b>
<b>JEWISH HOME &amp; HOSPIT</b> EPA ID: NYR000063750	<b>120 W 106TH ST</b>	<b>S 0 - 1/8 (0.104 mi.)</b>	<b>L178</b>	<b>474</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ASHLAND ENV - AMHERS</b> EPA ID: NYR000021709	<b>504-510 W 110TH ST</b>	<b>N 0 - 1/8 (0.108 mi.)</b>	<b>N190</b>	<b>511</b>
CON EDISON EPA ID: NYP004560470	W 106 ST & COLUMBUS	SSE 0 - 1/8 (0.110 mi.)	L195	525
<b>CON EDISON MANHOLE:</b> EPA ID: NYP004266391	<b>W 106TH ST &amp; COLUMBU</b>	<b>SSE 0 - 1/8 (0.110 mi.)</b>	<b>L196</b>	<b>526</b>
<b>CON EDISON GAS MAIN:</b> EPA ID: NYP004274973	<b>COLUMBUS AVE &amp; W 106</b>	<b>SSE 0 - 1/8 (0.110 mi.)</b>	<b>L197</b>	<b>528</b>
CONSOLIDATED EDISON EPA ID: NYP004101192	106TH ST & COLUMBUS	SSE 0 - 1/8 (0.111 mi.)	L201	535
CONSOLIDATED EDISON EPA ID: NYP004179693	204 W. 106 ST	WSW 0 - 1/8 (0.112 mi.)	R203	538
<b>CON EDISON SERVICE B</b> EPA ID: NYP004458535	<b>927 COLUMBUS AVE FRO</b>	<b>S 1/8 - 1/4 (0.143 mi.)</b>	<b>V255</b>	<b>645</b>
<b>CATHEDRAL OF SAINT J</b> EPA Id: NYR000130476	<b>1047 AMSTERDAM AVE</b>	<b>N 1/8 - 1/4 (0.143 mi.)</b>	<b>W257</b>	<b>649</b>
<b>NYC BD OF ED - PUBLI</b> EPA ID: NYR000009464	<b>150 W 105TH ST</b>	<b>SSW 1/8 - 1/4 (0.157 mi.)</b>	<b>AA278</b>	<b>703</b>
<b>CON EDISON - SERVICE</b> EPA ID: NYP004335824	<b>219 W 106 ST.</b>	<b>W 1/8 - 1/4 (0.164 mi.)</b>	<b>T290</b>	<b>738</b>
CON EDISON EPA ID: NYP004507984	250 W 106 ST	W 1/8 - 1/4 (0.169 mi.)	T293	746
<b>CON EDISON MANHOLE:</b> EPA ID: NYP004371159	<b>221 W 105TH ST</b>	<b>WSW 1/8 - 1/4 (0.173 mi.)</b>	<b>AC297</b>	<b>752</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004331617	<b>112-114 W 100TH ST &amp;</b>	<b>N 1/8 - 1/4 (0.174 mi.)</b>	<b>W299</b>	<b>754</b>
CON EDISON EPA ID: NYP004711909	2788 BROADWAY	WNW 1/8 - 1/4 (0.186 mi.)	AB320	809
CONSOLIDATED EDISON EPA ID: NYP004179636	2752 BROADWAY	W 1/8 - 1/4 (0.188 mi.)	AJ326	825
CON EDISON EPA ID: NYP004577706	906 AMSTERDAM AVE	SW 1/8 - 1/4 (0.192 mi.)	AC334	847
<b>YAT SING CLEANERS</b> EPA ID: NYD981081722	<b>2808 BROADWAY</b>	<b>NW 1/8 - 1/4 (0.192 mi.)</b>	<b>AD339</b>	<b>856</b>
<b>KIMS DRY CLEANING ST</b> EPA ID: NYD981085236	<b>2785 BROADWAY</b>	<b>WNW 1/8 - 1/4 (0.198 mi.)</b>	<b>AB351</b>	<b>891</b>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004177788	<b>542 W 112 STREET AND</b>	<b>N 1/8 - 1/4 (0.198 mi.)</b>	<b>Z352</b>	<b>904</b>
CONSOLIDATED EDISON EPA ID: NYP004179628	904 AMSTERDAM ST	SW 1/8 - 1/4 (0.203 mi.)	AC372	947
CON ED EPA ID: NYP004345980	2807 BROADWAY	WNW 1/8 - 1/4 (0.206 mi.)	AD381	959
<b>300 WEST 108 OWNERS</b> EPA ID: NYR000087684	<b>300 W 108TH ST</b>	<b>WNW 1/8 - 1/4 (0.207 mi.)</b>	<b>AD383</b>	<b>963</b>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004187571	<b>W 104 ST AND AMSTERD</b>	<b>SW 1/8 - 1/4 (0.209 mi.)</b>	<b>AP388</b>	<b>971</b>

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<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004188108	<b>W 104 ST AND COLUMBU</b>	<b>S 1/8 - 1/4 (0.212 mi.)</b>	<b>AM393</b>	<b>987</b>
<b>WOOLWORTH CORP</b> EPA ID: NYR000046516	<b>2831 BROADWAY</b>	<b>NW 1/8 - 1/4 (0.212 mi.)</b>	<b>AO394</b>	<b>991</b>
<b>RITE AID #4186</b> EPA ID: NYR000188581	<b>2833 BROADWAY</b>	<b>NW 1/8 - 1/4 (0.213 mi.)</b>	<b>AO397</b>	<b>1000</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004416590	<b>250 W 105TH</b>	<b>WSW 1/8 - 1/4 (0.215 mi.)</b>	<b>AJ400</b>	<b>1019</b>
CON EDISON EPA ID: NYP004641460	2730 BROADWAY	WSW 1/8 - 1/4 (0.215 mi.)	AG402	1025
<b>CON EDISON SERVICE B</b> EPA ID: NYP004410890	<b>2730 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.215 mi.)</b>	<b>AG403</b>	<b>1026</b>
<b>DANI CLEANERS</b> EPA ID: NYD982729329	<b>896 AMSTERDAM AVE</b>	<b>SW 1/8 - 1/4 (0.215 mi.)</b>	<b>AP407</b>	<b>1032</b>
<b>US POSTAL SERVICE CA</b> EPA ID: NYR000124859	<b>215 W 104TH ST</b>	<b>WSW 1/8 - 1/4 (0.217 mi.)</b>	<b>AP415</b>	<b>1057</b>
CON EDISON EPA ID: NYP004641015	217 W 104 ST	WSW 1/8 - 1/4 (0.220 mi.)	AP417	1064
<b>V9791</b> EPA ID: NYP004035960	<b>219 W 104TH STREET</b>	<b>WSW 1/8 - 1/4 (0.222 mi.)</b>	<b>AG422</b>	<b>1075</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004410882	<b>2726 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.222 mi.)</b>	<b>AG423</b>	<b>1077</b>
<b>LOT 17,TAXBLOCK 1876</b> EPA ID: NYP004644522	<b>2726 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.223 mi.)</b>	<b>AG424</b>	<b>1079</b>
<b>CON EDISON MANHOLE:</b> EPA ID: NYP004342721	<b>AMSTERDAM AVE &amp; 113T</b>	<b>NNE 1/8 - 1/4 (0.223 mi.)</b>	<b>AT426</b>	<b>1080</b>
CONSOLIDATED EDISON EPA ID: NYP004135489	W 113 ST & AMSTERDAM	NNE 1/8 - 1/4 (0.224 mi.)	AR429	1089
<b>CON EDISON SERVICE B</b> EPA ID: NYP004393021	<b>936 WESTEND AVE FRON</b>	<b>W 1/8 - 1/4 (0.224 mi.)</b>	<b>AU430</b>	<b>1089</b>
<b>CON EDISON</b> EPA ID: NYP004641478	<b>2731 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.224 mi.)</b>	<b>AG431</b>	<b>1091</b>
CON EDISON EPA ID: NYP004595799	FO 501 W 113 ST	NNE 1/8 - 1/4 (0.225 mi.)	AT433	1096
<b>NYCHA - DOUGLASS HOU</b> EPA ID: NYR000097444	<b>885 COLUMBUS AVE</b>	<b>S 1/8 - 1/4 (0.226 mi.)</b>	<b>AM435</b>	<b>1099</b>
<b>CON EDISON MANHOLE 5</b> EPA ID: NYP004140026	<b>WEST END AVE &amp; W 106</b>	<b>W 1/8 - 1/4 (0.226 mi.)</b>	<b>AU436</b>	<b>1102</b>
<b>CON EDISON</b> EPA Id: NYP004187092	<b>WEST END AVE &amp; W 106</b>	<b>W 1/8 - 1/4 (0.226 mi.)</b>	<b>AU437</b>	<b>1104</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004410874	<b>2720 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.234 mi.)</b>	<b>AS451</b>	<b>1149</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004339834	<b>1084 AMSTERDAM AVE F</b>	<b>NNE 1/8 - 1/4 (0.235 mi.)</b>	<b>AT455</b>	<b>1157</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004334611	<b>890 COLUMBUS AVE FRO</b>	<b>S 1/8 - 1/4 (0.236 mi.)</b>	<b>AM456</b>	<b>1159</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONSOLIDATED EDISON EPA ID: NYP004187555	W 104 ST AND BROADWA	WSW 1/8 - 1/4 (0.236 mi.)	AS457	1160
CONSOLIDATED EDISON EPA ID: NYP004063368	BROADWAY & W 111TH S	NNW 1/8 - 1/4 (0.238 mi.)	AY464	1176
<b>NEW YORK CITY HOUSIN</b> EPA ID: NYR000088419	<b>DOUGLASS HOUSES</b>	<b>WSW 1/8 - 1/4 (0.245 mi.)</b>	<b>AS481</b>	<b>1230</b>
CONSOLIDATED EDISON EPA ID: NYP004061503	V2717-13 BROADWAY	WSW 1/8 - 1/4 (0.248 mi.)	AS486	1244
CONSOLIDATED EDISON EPA ID: NYP004177747	94 MANHATTAN AVE	SSE 1/8 - 1/4 (0.248 mi.)	BA488	1247
<b>RITE AID #4187</b> EPA ID: NYR000188599	<b>2712 BROADWAY</b>	<b>WSW 1/8 - 1/4 (0.249 mi.)</b>	<b>AS490</b>	<b>1250</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004250288	<b>148 W 108TH ST &amp; E O</b>	<b>0 - 1/8 (0.001 mi.)</b>	<b>A2</b>	<b>53</b>
NYNEX EPA ID: NYP000922179	108TH ST/COLUMBUS AV	ESE 0 - 1/8 (0.037 mi.)	E33	110
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004191698	<b>W 109 ST &amp; COLUMBUS</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B41</b>	<b>131</b>
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004186680	<b>W 109 ST AND COLUMBU</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B43</b>	<b>136</b>
<b>NYC BD OF ED - IS 54</b> EPA ID: NYR000089979	<b>103 W 107TH ST</b>	<b>SSE 0 - 1/8 (0.058 mi.)</b>	<b>E67</b>	<b>192</b>
CON EDISON EPA ID: NYP004655619	64 W 109 ST	ESE 0 - 1/8 (0.097 mi.)	M151	396
<b>NY TELEPHONE DBA VER</b> EPA ID: NYD982726234	<b>193 MANHATTAN AVE</b>	<b>ESE 0 - 1/8 (0.105 mi.)</b>	<b>J181</b>	<b>482</b>
<b>CON EDISON MANHOLE 1</b> EPA ID: NYP004245825	<b>67 W 107TH ST</b>	<b>SE 0 - 1/8 (0.105 mi.)</b>	<b>J183</b>	<b>495</b>
<b>CON EDISON</b> EPA Id: NYP004191599	<b>W 108TH ST &amp; MANHATT</b>	<b>ESE 0 - 1/8 (0.121 mi.)</b>	<b>J214</b>	<b>557</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004336889	<b>204 MANHATTAN AVE FR</b>	<b>ESE 0 - 1/8 (0.122 mi.)</b>	<b>J220</b>	<b>569</b>
<b>CON EDISON GAS MAIN</b> EPA ID: NYP004142220	<b>MANHATTAN AVE &amp; W 10</b>	<b>ESE 0 - 1/8 (0.123 mi.)</b>	<b>M223</b>	<b>577</b>
CONSOLIDATED EDISON EPA ID: NYP004179743	155 MANHATTAN	SE 1/8 - 1/4 (0.130 mi.)	S235	603
<b>CON EDISON SERVICE B</b> EPA ID: NYP004335063	<b>MANHATTAN AVE &amp; 107T</b>	<b>SE 1/8 - 1/4 (0.131 mi.)</b>	<b>S238</b>	<b>609</b>
CON EDISON EPA ID: NYP004655551	139 MANHATTAN AV	SSE 1/8 - 1/4 (0.163 mi.)	U289	737
CON EDISON EPA ID: NYP004607982	20 W 109 ST	ESE 1/8 - 1/4 (0.172 mi.)	AE296	751
CON EDISON EPA ID: NYP004654331	9 W 107 ST	SE 1/8 - 1/4 (0.197 mi.)	AI346	881

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SHAIO VICTOR RESIDEN</b> EPA ID: NYP000777029	<b>480 PARK AVE APT 16A</b>	<b>ESE 1/8 - 1/4 (0.201 mi.)</b>	<b>AE366</b>	<b>929</b>
<b>POTISMAN CLEANERS IN</b> EPA ID: NYD982740805	<b>480 PARK AVE - BASEM</b>	<b>ESE 1/8 - 1/4 (0.201 mi.)</b>	<b>AE368</b>	<b>933</b>
CONSOLIDATED EDISON EPA ID: NYP004062642	CENTRAL PK W & 109TH	ESE 1/8 - 1/4 (0.205 mi.)	AE376	952
<b>CON EDISON SERVICE B</b> EPA ID: NYP004337473	<b>CENTRAL PARK WEST &amp;</b>	<b>ESE 1/8 - 1/4 (0.205 mi.)</b>	<b>AE377</b>	<b>953</b>
<b>CON EDISON - MH2955</b> EPA ID: NYP004072914	<b>W.109 ST. AND C.P.W.</b>	<b>ESE 1/8 - 1/4 (0.205 mi.)</b>	<b>AE378</b>	<b>955</b>
CONSOLIDATED EDISON EPA ID: NYP004116158	MANHATTAN AVE & W 11	ENE 1/8 - 1/4 (0.208 mi.)	AL387	970
CON EDISON EPA ID: NYP004536504	11 W 106TH ST	SE 1/8 - 1/4 (0.213 mi.)	AK398	1016
<b>CON EDISON SERVICE B</b> EPA ID: NYP004234068	<b>312 W 112TH ST</b>	<b>ENE 1/8 - 1/4 (0.217 mi.)</b>	<b>AL409</b>	<b>1046</b>
<b>CON EDISON GAS MAIN</b> EPA ID: NYP004143269	<b>311 W 111TH ST GAS M</b>	<b>E 1/8 - 1/4 (0.229 mi.)</b>	<b>AV442</b>	<b>1120</b>
<b>NYCDEP - SHAFT 12</b> EPA ID: NYD986870590	<b>CENTRAL PARK W &amp; E 1</b>	<b>SE 1/8 - 1/4 (0.231 mi.)</b>	<b>AK446</b>	<b>1131</b>
CONSOLIDATED EDISON EPA ID: NYP004060216	110TH ST-CENTRAL PAR	E 1/8 - 1/4 (0.237 mi.)	AN460	1167
<b>CON EDISON</b> EPA ID: NYP004146593	<b>W 110TH ST &amp; MANHATT</b>	<b>E 1/8 - 1/4 (0.238 mi.)</b>	<b>AV461</b>	<b>1168</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004339362	<b>2056-2058 8TH AVE FR</b>	<b>E 1/8 - 1/4 (0.249 mi.)</b>	<b>AV489</b>	<b>1248</b>
CONED EPA ID: NYP004177838	327 W 112TH ST	E 1/8 - 1/4 (0.250 mi.)	491	1263
<b>CON EDISON SERVICE B</b> EPA ID: NYP004342101	<b>312 MANHATTAN AVE FR</b>	<b>ENE 1/8 - 1/4 (0.250 mi.)</b>	<b>BB493</b>	<b>1268</b>

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 01/01/2015 has revealed that there are 13 NJ MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON</b> EPA Id: NYP004159588	<b>W 108TH ST &amp; AMSTERD</b>	<b>WNW 0 - 1/8 (0.029 mi.)</b>	<b>D15</b>	<b>77</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004243549	<b>221 W 107TH ST</b>	<b>W 0 - 1/8 (0.092 mi.)</b>	<b>I137</b>	<b>362</b>
<b>CATHEDRAL OF SAINT J</b> EPA Id: NYR000130476	<b>1047 AMSTERDAM AVE</b>	<b>N 1/8 - 1/4 (0.143 mi.)</b>	<b>W257</b>	<b>649</b>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004177788	<b>542 W 112 STREET AND</b>	<b>N 1/8 - 1/4 (0.198 mi.)</b>	<b>Z352</b>	<b>904</b>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004187571	<b>W 104 ST AND AMSTERD</b>	<b>SW 1/8 - 1/4 (0.209 mi.)</b>	<b>AP388</b>	<b>971</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - SERVICE</b> EPA Id: NYP004188108	<b>W 104 ST AND COLUMBU</b>	<b>S 1/8 - 1/4 (0.212 mi.)</b>	<b>AM393</b>	<b>987</b>
<b>CON EDISON</b> EPA Id: NYP004187092	<b>WEST END AVE &amp; W 106</b>	<b>W 1/8 - 1/4 (0.226 mi.)</b>	<b>AU437</b>	<b>1104</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004191698	<b>W 109 ST &amp; COLUMBUS</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B41</b>	<b>131</b>
<b>CON EDISON - MANHOLE</b> EPA Id: NYP004186680	<b>W 109 ST AND COLUMBU</b>	<b>E 0 - 1/8 (0.042 mi.)</b>	<b>B43</b>	<b>136</b>
<b>NY TELEPHONE DBA VER</b> EPA ID: NYD982726234	<b>193 MANHATTAN AVE</b>	<b>ESE 0 - 1/8 (0.105 mi.)</b>	<b>J181</b>	<b>482</b>
<b>CON EDISON MANHOLE 1</b> EPA ID: NYP004245825	<b>67 W 107TH ST</b>	<b>SE 0 - 1/8 (0.105 mi.)</b>	<b>J183</b>	<b>495</b>
<b>CON EDISON</b> EPA Id: NYP004191599	<b>W 108TH ST &amp; MANHATT</b>	<b>ESE 0 - 1/8 (0.121 mi.)</b>	<b>J214</b>	<b>557</b>
<b>CON EDISON SERVICE B</b> EPA ID: NYP004234068	<b>312 W 112TH ST</b>	<b>ENE 1/8 - 1/4 (0.217 mi.)</b>	<b>AL409</b>	<b>1046</b>

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 01/12/2015 has revealed that there are 7 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>DYNASTY CLEANERS</b> Facility Id: 2-6202-01260	<b>961 AMSTERDAM AVE</b>	<b>W 0 - 1/8 (0.037 mi.)</b>	<b>D29</b>	<b>103</b>
TINA CLEANERS INC. Facility Id: ---	984 AMSTERDAM AVE	NW 0 - 1/8 (0.042 mi.)	D39	120
YAT SING CLEANERS Facility Id: 2-6202-01194	2808 BROADWAY	NW 1/8 - 1/4 (0.192 mi.)	AD337	855
KIM'S BROADWAY'S CLE Facility Id: 2-6202-00224	2785 BROADWAY	WNW 1/8 - 1/4 (0.198 mi.)	AB349	887
DANI AMSTERDAM CLEAN Facility Id: 2-6202-01254	896 AMSTERDAM AVENUE	SW 1/8 - 1/4 (0.215 mi.)	AP406	1032
PARK WEST/COMMUNITY Facility Id: 2-6202-01324	83 W 104TH STREET #1	S 1/8 - 1/4 (0.217 mi.)	AM410	1049
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POTISMAN CLEANERS IN Facility Id: ---	480 PARK AVENUE	ESE 1/8 - 1/4 (0.201 mi.)	AE370	946

## EXECUTIVE SUMMARY

NY E DESIGNATION: Lots designation with an "E" on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/17/2015 has revealed that there are 3 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 3,TAXBLOCK 1862	965 AMSTERDAM AVENUE	W 0 - 1/8 (0.048 mi.)	D48	151
LOT 57,TAXBLOCK 1860	156 WEST 106 STREET	SSW 0 - 1/8 (0.104 mi.)	O175	451
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LOT 52,TAXBLOCK 1844	209 MANHATTAN AVENUE	ESE 0 - 1/8 (0.120 mi.)	M212	555

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 12 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	212 W 109TH ST	NNW 0 - 1/8 (0.055 mi.)	F65	191
Not reported	111 W 106TH ST	S 0 - 1/8 (0.103 mi.)	L167	435
Not reported	921 COLUMBUS AVE	S 1/8 - 1/4 (0.159 mi.)	V286	730
Not reported	911 COLUMBUS AVE	S 1/8 - 1/4 (0.184 mi.)	V316	801
Not reported	2751 BROADWAY	W 1/8 - 1/4 (0.201 mi.)	AJ371	946
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	980 COLUMBUS AVE	ESE 0 - 1/8 (0.036 mi.)	B26	100
Not reported	1021 COLUMBUS AVE	E 0 - 1/8 (0.049 mi.)	B50	155
Not reported	141 MANHATTAN AVE	SSE 1/8 - 1/4 (0.159 mi.)	U285	729
Not reported	12 W 109TH ST	ESE 1/8 - 1/4 (0.186 mi.)	AE319	808
Not reported	479 CENTRAL PARK W	ESE 1/8 - 1/4 (0.206 mi.)	AI380	959
Not reported	2040 8TH AVE	E 1/8 - 1/4 (0.241 mi.)	AN474	1217
Not reported	2040 FREDERICK DOUG	E 1/8 - 1/4 (0.245 mi.)	AN479	1226

## EXECUTIVE SUMMARY

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 31 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	961 AMSTERDAM AVE	W 0 - 1/8 (0.037 mi.)	D28	102
Not reported	1012 AMSTERDAM AVE	N 0 - 1/8 (0.066 mi.)	F85	230
Not reported	944 AMSTERDAM AVE	WSW 0 - 1/8 (0.089 mi.)	I132	349
Not reported	1020 AMSTERDAM AVE	NNW 0 - 1/8 (0.099 mi.)	N157	412
Not reported	200 W 106TH ST	WSW 0 - 1/8 (0.109 mi.)	R194	525
Not reported	932 AMSTERDAM AVE	WSW 0 - 1/8 (0.116 mi.)	R209	552
Not reported	932 COLUMBUS AVE	SSE 0 - 1/8 (0.122 mi.)	L217	563
Not reported	258 W 109TH ST	NW 1/8 - 1/4 (0.128 mi.)	P232	599
Not reported	560 W 110TH ST	NNW 1/8 - 1/4 (0.147 mi.)	X263	665
Not reported	922 COLUMBUS AVE	S 1/8 - 1/4 (0.148 mi.)	V264	666
Not reported	915 COLUMBUS AVE	S 1/8 - 1/4 (0.173 mi.)	V298	754
Not reported	2766 BROADWAY	W 1/8 - 1/4 (0.181 mi.)	AB312	791
Not reported	2808 BROADWAY	NW 1/8 - 1/4 (0.192 mi.)	AD338	856
Not reported	904 COLUMBUS AVE	S 1/8 - 1/4 (0.198 mi.)	AM354	911
Not reported	2783 BROADWAY	WNW 1/8 - 1/4 (0.199 mi.)	AB355	911
Not reported	2785 BROADWAY	WNW 1/8 - 1/4 (0.199 mi.)	AB356	912
Not reported	2753 BROADWAY	W 1/8 - 1/4 (0.200 mi.)	AJ359	915
Not reported	2749 BROADWAY	W 1/8 - 1/4 (0.203 mi.)	AJ373	948
Not reported	2823 BROADWAY	NW 1/8 - 1/4 (0.208 mi.)	AO386	970
Not reported	896 AMSTERDAM AVE	SW 1/8 - 1/4 (0.215 mi.)	AP405	1031
Not reported	83 W 104TH ST	S 1/8 - 1/4 (0.217 mi.)	AM411	1049
Not reported	224 W 104TH ST	WSW 1/8 - 1/4 (0.223 mi.)	AS425	1080
Not reported	2725 BROADWAY	WSW 1/8 - 1/4 (0.234 mi.)	AS452	1151
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	981 COLUMBUS AVE	ESE 0 - 1/8 (0.038 mi.)	E35	115
Not reported	971 COLUMBUS AVE	SE 0 - 1/8 (0.051 mi.)	E52	157
Not reported	961 COLUMBUS AVE	SE 0 - 1/8 (0.062 mi.)	E76	212
Not reported	410 W 110TH ST	ENE 0 - 1/8 (0.068 mi.)	B89	240
Not reported	150 MANHATTAN AVE	SE 1/8 - 1/4 (0.133 mi.)	S240	613
Not reported	147 MANHATTAN AVE	SE 1/8 - 1/4 (0.143 mi.)	S254	644
Not reported	467 CENTRAL PARK W	SE 1/8 - 1/4 (0.194 mi.)	AK342	871
Not reported	301 W 110TH ST	E 1/8 - 1/4 (0.199 mi.)	AN357	912

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

<u>Site Name</u>	<u>Database(s)</u>
ROUTE 9A RECONSTRUCTION PROJECT	NY SHWS
CONSOLIDATED GAS 18TH ST. STATION	NY SHWS
1ST AVENUE AND EAST 90TH STREET	NY SHWS
BIBA FRENCH CLEANERS	NY DRYCLEANERS
331 WEST 211TH STREET	NY LTANKS
2ND AVE SUBWAY PROJECT-NYCT	NY LTANKS
HUDSON TRANSIT	NY LTANKS
EXCAVATION	NY LTANKS
NY MERCHANTILE EXCHANGE INC	NY LTANKS
NYC DEPT OF SANITATION - TTF	NY LTANKS
239 WEST 264TH ST	NY LTANKS
APARTMENT BUILDING	NY LTANKS
76TH ST BET. BROADWAY	NY LTANKS
NYC PARKS	NY LTANKS
CLOSED-LACKOF RECENT INFO	NY LTANKS
CONED, MANHATTAN COKING	NY HSWDS
CE - E. 108TH ST. STATION	NY VCP
CE - E. 111TH ST. WORKS	NY VCP
CE - E. 115TH ST. MGP	NY VCP
CE - E. 11TH ST. MGP	NY VCP
CE - E. 99TH ST. WORKS	NY VCP

# OVERVIEW MAP - 4298005.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

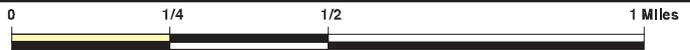
Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

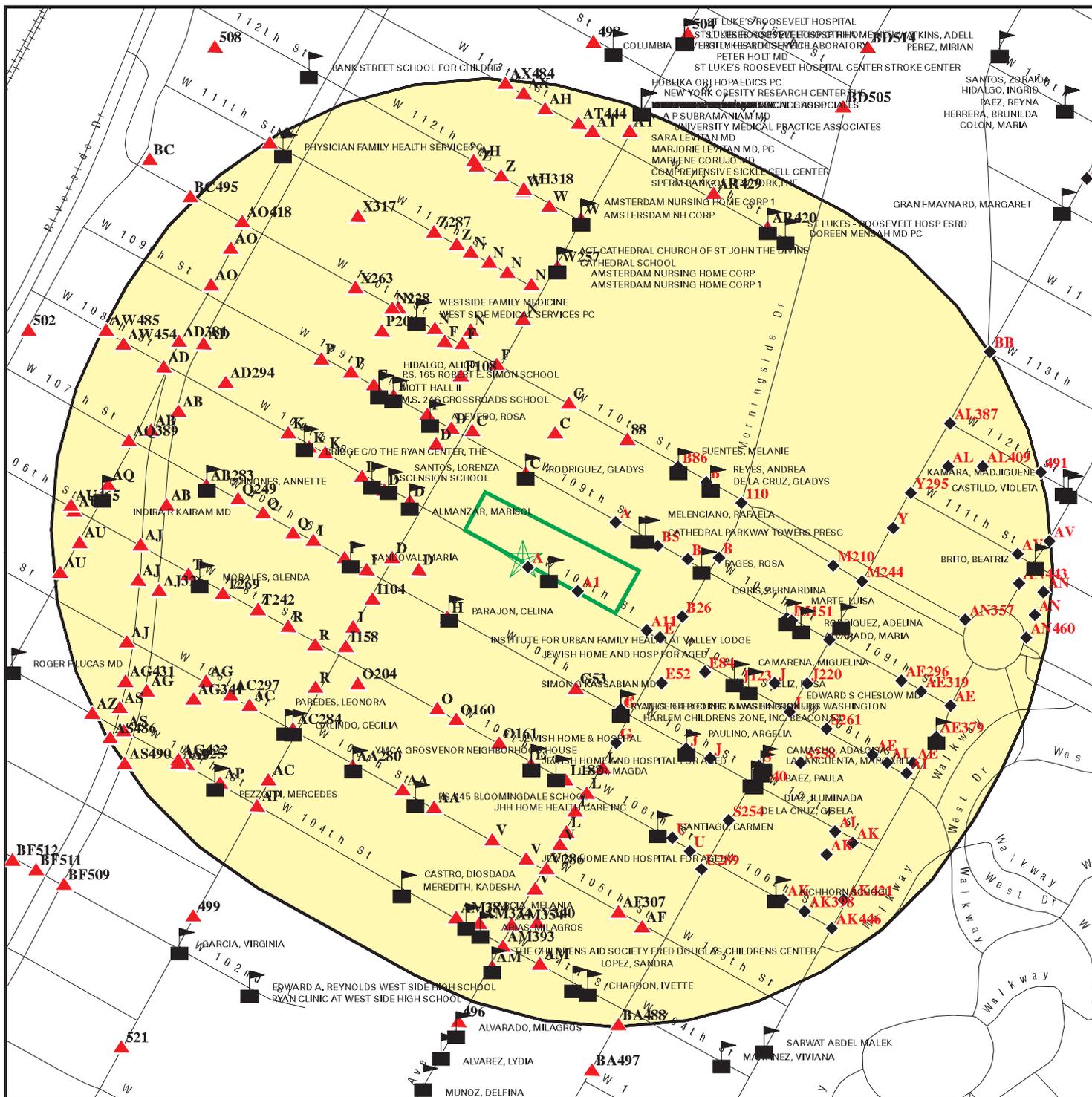


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 103-107 and 143-159 West 108th Street  
 ADDRESS: 103-107 and 143-159 West 108th Street  
 New York NY 10025  
 LAT/LONG: 40.8013 / 73.9636

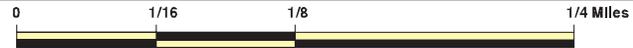
CLIENT: AKRF, Inc.  
 CONTACT: Elizabeth Matamoros  
 INQUIRY #: 4298005.2s  
 DATE: May 18, 2015 12:05 pm

# DETAIL MAP - 4298005.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 103-107 and 143-159 West 108th Street  
 ADDRESS: 103-107 and 143-159 West 108th Street  
 New York NY 10025  
 LAT/LONG: 40.8013 / 73.9636

CLIENT: AKRF, Inc.  
 CONTACT: Elizabeth Matamoros  
 INQUIRY #: 4298005.2s  
 DATE: May 18, 2015 12:06 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	1	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		2	6	NR	NR	NR	8
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-CESQG	0.250		9	6	NR	NR	NR	15
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	1	NR	NR	1
US INST CONTROL	0.500		0	0	1	NR	NR	1
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
NY SHWS	1.000		0	0	0	0	NR	0
NJ SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
NY SWF/LF	0.500		0	0	0	NR	NR	0
NJ SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
NY LTANKS	0.500		14	16	41	NR	NR	71

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
NY TANKS	0.250		1	2	NR	NR	NR	3
NY UST	0.250		4	11	NR	NR	NR	15
NJ UST	0.250		0	0	NR	NR	NR	0
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		94	130	NR	NR	NR	224
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NJ ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NJ INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
NJ VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	1	0	NR	NR	1
NJ BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NJ SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
NY HIST UST	0.250		5	11	NR	NR	NR	16
NY HIST AST	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
NJ LIENS	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		67	NR	NR	NR	NR	67
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NJ SPILLS 90	0.125		0	NR	NR	NR	NR	0
NJ SPILLS 80	0.125		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		18	33	NR	NR	NR	51
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	1	0	NR	1
ROD	1.000		0	0	1	0	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NJ UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		34	66	NR	NR	NR	100
NJ MANIFEST	0.250		7	6	NR	NR	NR	13
NY DRYCLEANERS	0.250		2	5	NR	NR	NR	7
NJ DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY SPDES	TP		NR	NR	NR	NR	NR	0
NJ NPDES	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY AIRS	TP		NR	NR	NR	NR	NR	0
NJ AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		3	NR	NR	NR	NR	3
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NJ COAL ASH	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
NJ Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		4	8	NR	NR	NR	12
EDR US Hist Cleaners	0.250		11	20	NR	NR	NR	31
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
NY RGA LF	TP		NR	NR	NR	NR	NR	0
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NJ RGA HWS	TP		NR	NR	NR	NR	NR	0
NJ RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		0	276	323	51	0	0	646

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NPL**  
**Region**  
**WNW**  
**1/4-1/2**  
**2374 ft.**

**HUDSON RIVER PCBS**  
**NO STREET APPLICABLE**  
**HUDSON RIVER, NY 12839**

**NPL 1000384273**  
**CERCLIS**  
**RCRA-SQG**  
**US ENG CONTROLS**  
**US INST CONTROL**  
**CONSENT**  
**ROD**  
**NY MANIFEST**  
**NY Spills**  
**PRP**

**NPL:**

EPA ID: NYD980763841  
EPA Region: 02  
Federal: N  
Final Date: 1984-09-21 00:00:00

**Category Details:**

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 0

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

**Site Details:**

Site Name: HUDSON RIVER PCBS  
Site Status: Final  
Site Zip: 12801  
Site City: HUDSON RIVER  
Site State: NY  
Federal Site: No  
Site County: WASHINGTON  
EPA Region: 02  
Date Proposed: 09/08/83  
Date Deleted: Not reported  
Date Finalized: 09/21/84

**Substance Details:**

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: AIR PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBs (Continued)**

**1000384273**

Pathway: SURFACE WATER PATHWAY  
Scoring: 4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated 1.1 million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million (ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when the level of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabilize the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act (CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authorize a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action at the remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for parties potentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status Details:

NPL Status: Final  
Proposed Date: 09/08/1983  
Final Date: 09/21/1984  
Deleted Date: Not reported

Narratives Details:

NPL Name: HUDSON RIVER PCBs  
City: HUDSON RIVER  
State: NY

CERCLIS:

Site ID: 0202229  
EPA ID: NYD980763841  
Facility County: WASHINGTON  
Short Name: HUDSON RIVER PCBs  
Congressional District: 21  
IFMS ID: 0284  
SMSA Number: 2975  
USGC Hydro Unit: 02020003  
Federal Facility: Not a Federal Facility  
DMNSN Number: 0.00000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

RST Code: Not reported  
EPA Region: 02  
Classification: Waterways/Creeks/Rivers  
Site Settings Code: SU  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: Not reported  
RBRAC Code: Not reported  
RResp Fed Agency Code: Not reported  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 36115  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported  
Site FUDS Flag: Not reported

**CERCLIS Site Contact Name(s):**

Contact ID: 13002796.00000  
Contact Name: JENNIFER LAPOMA  
Contact Tel: (212) 637-4328  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

**CERCLIS Site Alias Name(s):**

Alias ID: 101  
Alias Name: HUDSON RIVER PCBS  
Alias Address: Not reported  
WARREN, NY  
Alias ID: 102  
Alias Name: HUDSON RIVER PCBS  
Alias Address: NO STREET APPLICABLE  
NO CITY APPLICABLE, NY 12801  
Alias ID: 103  
Alias Name: HUDSON RIVER PCBS  
Alias Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801  
Alias Comments: Not reported

Site Description: The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River. The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973. The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower

MAP FINDINGS

**HUDSON RIVER PCBs (Continued)**

**1000384273**

Hudson River, extends from the Federal Dam at Troy to just south of Poughkeepsie. The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB-contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate this source of PCBs to the river. EPA's analysis assumes a significantly reduced PCB loading to the river from these sources once the State's plans for remediation are implemented. PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human carcinogens. They are also linked to other serious non-cancer adverse health effects based on observations in animals and emerging evidence in humans. Once discharged from the GE plants, the PCBs adhered to river sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB-contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River. During an approximate 30-year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non-permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg). Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB-contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB-contaminated sediments from the Fort Edward Dam area were scoured and transported downstream. EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in-place containment of the Remnant Deposits. This design was completed in 1988. In March 1989, the company offered to assume responsibility for the implementation of the in-place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Consent to the company which required the company to prepare a remedial design report for the construction of access roads to the Remnant Deposits and to submit a design for the in-place containment of the Remnant Deposits incorporating the NYSDEC-prepared design, plus any EPA-approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in-place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5-year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA §121(c). The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record of Decision for the Fort Edward plant Outfall 004. The NYSDEC is conducting the remedial design for that ROD. As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site. A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984. A Record of Decision addressing OU 2 was completed in February 2002.

**CERCLIS Assessment History:**

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	07/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: SITE INSPECTION  
Date Started: 08/01/83  
Date Completed: 09/01/83  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 09/01/83  
Priority Level: Low priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 09/08/83  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: / /  
Date Completed: 11/15/83  
Priority Level: Search Complete, Viable PRPs  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 09/21/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 03/30/84  
Date Completed: 09/25/84  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/25/84  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 10/27/83  
Date Completed: 09/28/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ADMINISTRATIVE/VOLUNTARY COST RECOVERY  
Date Started: / /  
Date Completed: 05/04/88

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL DESIGN  
Date Started: 02/02/89  
Date Completed: 06/05/89  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 06/09/89  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 06/09/89  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 03/03/89  
Date Completed: 04/06/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL DESIGN  
Date Started: 09/28/84  
Date Completed: 05/18/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: State, Fund Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Lodged By DOJ  
Date Started: / /  
Date Completed: 05/18/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Code: 001  
Action: CONSENT DECREE  
Date Started: 04/06/90  
Date Completed: 07/21/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL ASSESSMENT  
Date Started: 04/17/90  
Date Completed: 08/21/90  
Priority Level: Stabilized  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 09/27/89  
Date Completed: 09/28/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS  
Date Started: 03/12/90  
Date Completed: 10/04/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 05/18/89  
Date Completed: 01/07/91

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 10/13/89  
Date Completed: 09/29/92  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 09/28/90  
Date Completed: 09/29/92  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMOVAL ASSESSMENT  
Date Started: 11/19/92  
Date Completed: 12/01/92  
Priority Level: Stabilized  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: COMFORT/STATUS LETTER  
Date Started: / /  
Date Completed: 11/02/98  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: REMOVAL ASSESSMENT  
Date Started: 10/14/98  
Date Completed: 01/07/99  
Priority Level: Not reported  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMOVAL ASSESSMENT  
Date Started: 06/03/98  
Date Completed: 06/24/99  
Priority Level: Not reported  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Public Notice Published  
Date Started: / /  
Date Completed: 03/28/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL  
Date Started: 10/06/99  
Date Completed: 09/14/01  
Priority Level: Stabilized  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 07/25/90

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Date Completed: 02/01/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 02/01/02  
Priority Level: Final Remedy Selected at Site  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 07/23/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 07/23/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 07/23/02  
Date Completed: 08/13/03  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 08/13/03  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: EXPANDED SITE INSPECTION/REMEDIAL INVESTIGATION  
Date Started: / /  
Date Completed: 08/31/05  
Priority Level: Referred to Removal, no further Rmdl Asmt  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 09/06/05  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TECHNICAL ASSISTANCE GRANT  
Date Started: 09/29/95  
Date Completed: 09/20/05  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Lodged By DOJ  
Date Started: / /  
Date Completed: 10/06/05  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action: COMMUNITY INVOLVEMENT  
Date Started: 03/25/02  
Date Completed: 11/02/06  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Remedial  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: CONSENT DECREE  
Date Started: 09/06/05  
Date Completed: 11/02/06  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 03/29/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT  
Date Started: 02/22/91  
Date Completed: 04/03/07  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL NEGOTIATIONS  
Date Started: / /  
Date Completed: 07/11/07  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 07/11/07  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL  
Date Started: 08/24/07  
Date Completed: 08/27/07  
Priority Level: Cleaned up  
Operable Unit: SITEWIDE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Emergency  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 08/14/03  
Date Completed: 01/25/08  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: SECTION 104(E) REF LITIGATION  
Date Started: 09/27/07  
Date Completed: 07/28/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/05/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/05/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 09/08/08  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 09/08/08  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Code: 005  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/11/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 10/14/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 02/03/09  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL ACTION  
Date Started: 05/09/08  
Date Completed: 11/24/09  
Priority Level: Final RA Report  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - EPA  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL ACTION  
Date Started: 12/04/08  
Date Completed: 12/23/09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Final RA Report  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - EPA  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 08/14/03  
Date Completed: 04/26/11  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL  
Date Started: 09/11/07  
Date Completed: 04/10/12  
Priority Level: Stabilized  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FIVE-YEAR REVIEW  
Date Started: / /  
Date Completed: 06/01/12  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 09/06/05  
Date Completed: 09/04/12  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TECHNICAL ASSISTANCE  
Date Started: 09/30/97  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL DESIGN  
Date Started: 02/15/02  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - EPA  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 07/23/02  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Phased Start & Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: TECHNICAL ASSISTANCE  
Date Started: 07/08/03  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL ACTION  
Date Started: 01/19/07  
Date Completed: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - State  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REAL PROPERTY ACQUISITION  
Date Started: 02/15/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Not reported  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/08/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: TECHNICAL ASSISTANCE GRANT  
Date Started: 11/17/09  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 12/31/10  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 09/21/84  
Fed Register Volume: 49  
Page Number: 37070

Fed Register Date: 09/08/83  
Fed Register Volume: 48  
Page Number: 40674

[Click this hyperlink](#) while viewing on your computer to access  
3292 additional US CERCLIS Financial: record(s) in the EDR Site Report.

RCRA-SQG:

Date form received by agency: 03/03/2014

Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY

Facility address: 446 LOCK 8 WAY  
HUDSON FALLS, NY 12839

EPA ID: NYD980763841

Mailing address: BROADWAY  
BLDG 40  
FORT EDWARD, NY 12828

Contact: JAY SNOW  
Contact address: BROADWAY BLDG 40  
FORT EDWARD, NY 12828

Contact country: US

Contact telephone: (518) 746-5678

Contact email: JAY.SNOW@GE.COM

EPA Region: 02

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: GE HUDSON RIVER SEDIMENT REMEDIATION  
Owner/operator address: BROADWAY  
FORT EDWARD, NY 12828

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 04/23/2007

Owner/Op end date: Not reported

Owner/operator name: GE HUDSON RIVER SEDIMENT REMEDIATION  
Owner/operator address: BROADWAY  
FORT EDWARD, NY 12828

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Owner/Operator Type: Owner  
Owner/Op start date: 04/23/2007  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: B007  
. Waste name: B007

Historical Generators:

Date form received by agency: 03/01/2012  
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Classification: Large Quantity Generator

. Waste code: B002  
. Waste name: B002

. Waste code: B007  
. Waste name: B007

Date form received by agency: 03/03/2010  
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Classification: Large Quantity Generator

. Waste code: B007  
. Waste name: B007

Date form received by agency: 08/29/2008  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Date form received by agency: 01/01/2007  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Not a generator, verified

Date form received by agency: 01/01/2006  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Not a generator, verified

Date form received by agency: 01/01/2001  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Large Quantity Generator

Violation Status: No violations found

**US ENG CONTROLS:**

EPA ID: NYD980763841  
Site ID: 0202229  
Name: HUDSON RIVER PCBS  
Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801  
EPA Region: 02  
County: WASHINGTON  
Event Code: Not reported  
Actual Date: 12/30/2001

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/1984  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Containment, (N.O.S.)

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/1984  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: No Action

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/1984  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Revegetation

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/1984  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Slope Stabilization

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Sediment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Engineering Control: Dewatering

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Disposal

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Excavation

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Surface Water  
Engineering Control: Monitoring

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Surface Water  
Engineering Control: Natural Attenuation

**US INST CONTROL:**

EPA ID: NYD980763841  
Site ID: 0202229  
Name: HUDSON RIVER PCBS  
Action Name: RECORD OF DECISION  
Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801

EPA Region: 02  
County: WASHINGTON  
Event Code: Not reported  
Inst. Control: Fishing Advisory  
Actual Date: 12/30/2001  
Comple. Date: 02/01/2002  
Operable Unit: 02  
Contaminated Media : Surface Water

**CONSENT:**

EPA ID: NYD980763841

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Site ID: 0284  
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)  
Court Num: 05-1270  
District: New York, North  
Entered Date: 11/02/06  
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

**ROD:**

Full-text of USEPA Record of Decision(s) is available from EDR.

**NY MANIFEST:**

EPA ID: NYD980763841  
Country: USA  
Location Address 1: 446 LOCK 8 WAY  
Location Address 2: Not reported  
Location City: HUDSON FALLS  
Location State: NY  
Location Zip Code: 12839  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: GE HUDSON RIVER PROJECT  
Contact: GE HUDSON RIVER PROJECT  
Address: 381 BROADWAY  
Address 2: BLDG 40-2  
City/State/Zip: FORT EDWARD, NY 12828  
Country: USA  
Phone: 518-747-3844

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 07/27/2014  
Trans1 Recv Date: 07/27/2014  
Trans2 Recv Date: 08/02/2014  
TSD Site Recv Date: 08/02/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9794.5  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139618GBF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 07/29/2014  
Trans1 Recv Date: 07/29/2014  
Trans2 Recv Date: 07/30/2014  
TSD Site Recv Date: 08/05/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9784.7  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139619GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/03/2014  
Trans1 Recv Date: 08/03/2014  
Trans2 Recv Date: 08/03/2014  
TSD Site Recv Date: 08/09/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9794.4  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139621GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/06/2014  
Trans1 Recv Date: 08/06/2014  
Trans2 Recv Date: 08/09/2014  
TSD Site Recv Date: 08/12/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9794  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139622GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/13/2014  
Trans1 Recv Date: 08/13/2014  
Trans2 Recv Date: 08/13/2014  
TSD Site Recv Date: 08/21/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9801.3  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139624GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/20/2014  
Trans1 Recv Date: 08/20/2014  
Trans2 Recv Date: 08/20/2014  
TSD Site Recv Date: 08/26/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Waste Code: Not reported  
Quantity: 9834.25  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139626GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/22/2014  
Trans1 Recv Date: 08/22/2014  
Trans2 Recv Date: 08/23/2014  
TSD Site Recv Date: 08/28/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9862.3  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139627GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/25/2014  
Trans1 Recv Date: 08/25/2014  
Trans2 Recv Date: 08/26/2014  
TSD Site Recv Date: 09/01/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9843  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139628GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 08/29/2014  
Trans1 Recv Date: 08/29/2014  
Trans2 Recv Date: 08/30/2014  
TSD Site Recv Date: 09/05/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9840.7  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Year: 2014  
Manifest Tracking Num: 002139629GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/03/2014  
Trans1 Recv Date: 09/03/2014  
Trans2 Recv Date: 09/04/2014  
TSD Site Recv Date: 09/08/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9804.9  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1

Year: 2014  
Manifest Tracking Num: 002139630GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/10/2014  
Trans1 Recv Date: 09/10/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Trans2 Recv Date: 09/11/2014  
TSD Site Recv Date: 09/16/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9865.05  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139632GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/11/2014  
Trans1 Recv Date: 09/11/2014  
Trans2 Recv Date: 09/12/2014  
TSD Site Recv Date: 09/19/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9883.2  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139633GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/15/2014  
Trans1 Recv Date: 09/15/2014  
Trans2 Recv Date: 09/16/2014  
TSD Site Recv Date: 09/21/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9878.65  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139634GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986058139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/19/2014  
Trans1 Recv Date: 09/19/2014  
Trans2 Recv Date: 09/20/2014  
TSD Site Recv Date: 09/24/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Trans2 EPA ID: Not reported  
TSDF ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9876.55  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139635GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/23/2014  
Trans1 Recv Date: 09/23/2014  
Trans2 Recv Date: 09/24/2014  
TSD Site Recv Date: 09/29/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9296.85  
Units: T - Tons  
Number of Containers: 88  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139636GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/25/2014  
Trans1 Recv Date: 09/25/2014  
Trans2 Recv Date: 09/26/2014  
TSD Site Recv Date: 10/01/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9901.5  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139637GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 09/30/2014  
Trans1 Recv Date: 09/30/2014  
Trans2 Recv Date: 10/01/2014  
TSD Site Recv Date: 10/07/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9796.75  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 93

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139638GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 10/04/2014  
Trans1 Recv Date: 10/04/2014  
Trans2 Recv Date: 10/05/2014  
TSD Site Recv Date: 10/11/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9797.35  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139639GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Trans2 State ID: FLD006921340  
Generator Ship Date: 10/09/2014  
Trans1 Recv Date: 10/09/2014  
Trans2 Recv Date: 10/10/2014  
TSD Site Recv Date: 10/15/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9792.75  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139641GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD986068139  
Trans2 State ID: FLD006921340  
Generator Ship Date: 10/17/2014  
Trans1 Recv Date: 10/17/2014  
Trans2 Recv Date: 10/18/2014  
TSD Site Recv Date: 10/23/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD980763841  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OKD065438376  
Waste Code: Not reported  
Quantity: 9850.05  
Units: T - Tons  
Number of Containers: 93  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002139642GBF  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

**SPILLS:**

Facility ID: 0308107  
Facility Type: ER  
DER Facility ID: 278391  
Site ID: 237813  
DEC Region: 3  
Spill Date: 10/31/2003  
Spill Number/Closed Date: 0308107 / 10/31/2003  
Spill Cause: Abandoned Drums  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:** 6000  
Investigator: rxamato  
Referred To: Not reported  
Reported to Dept: 10/31/2003  
CID: 297  
Water Affected: HUDSON RIVER  
Spill Source: Unknown  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/31/2003  
Spill Record Last Update: 11/6/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: PETTY OFFICER HAWKINS  
Contact Phone: (718) 354-4121  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SMITH"10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak.  
Remarks: CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE

**Material:**

Site ID: 237813  
Operable Unit ID: 874400  
Operable Unit: 01  
Material ID: 501630

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 55  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

PRP:

PRP name: DELAWARE AND HUDSON RAILWAY CO INC  
GENERAL ELECTRIC COMPANY  
GOLUB PROPERTIES OF WATERVLIT INC  
NEW YORK STATE CANAL CORPORATION  
NIAGARA MOHAWK POWER COMPANY  
TOWN OF HALFMOON NEW YORK  
VILLAGE OF STILLWATER  
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

A1 E & B OPERATING CORP  
137 W 108 ST  
< 1/8 NEW YORK, NY 10025  
1 ft.

NY UST U000396115  
NY HIST UST N/A

Site 1 of 8 in cluster A

Relative:  
Lower

UST:  
Id/Status: 2-145416 / Unregulated/Closed  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 08/17/1997  
UTM X: 587515.27905000001  
UTM Y: 4517199.29836000004  
Site Type: Other

Actual:  
88 ft.

Affiliation Records:  
Site Id: 4159  
Affiliation Type: Facility Owner  
Company Name: E & B OPERATING CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 137 W 108 ST  
Address2: Not reported  
City: NEW YORK CITY  
State: NY  
Zip Code: 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E & B OPERATING CORP (Continued)**

**U000396115**

Country Code: 001  
Phone: (212) 865-8315  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4159  
Affiliation Type: Mail Contact  
Company Name: E & B OPERATING CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 137 W 108 ST  
Address2: Not reported  
City: NEW YORK CITY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 865-8315  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4159  
Affiliation Type: On-Site Operator  
Company Name: E & B OPERATING CORP  
Contact Type: Not reported  
Contact Name: E & B OPERATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-8315  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4159  
Affiliation Type: Emergency Contact  
Company Name: E & B OPERATING CORP  
Contact Type: Not reported  
Contact Name: GARY SPINDLER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 643-2062  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E & B OPERATING CORP (Continued)**

**U000396115**

Tank Info:

Tank Number: 001  
Tank ID: 5607  
Tank Status: Closed - In Place  
Material Name: Closed - In Place  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 12/01/1994  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 002  
Tank ID: 5608  
Tank Status: Closed - In Place  
Material Name: Closed - In Place  
Capacity Gallons: 600  
Install Date: Not reported  
Date Tank Closed: 12/01/1994  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E & B OPERATING CORP (Continued)**

**U000396115**

J02 - Dispenser - Suction Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

**HIST UST:**

PBS Number: 2-145416  
SPDES Number: Not reported  
Emergency Contact: GARY SPINDLER  
Emergency Telephone: (212) 643-2062  
Operator: E & B OPERATING CORP  
Operator Telephone: (212) 865-8315  
Owner Name: E & B OPERATING CORP  
Owner Address: 137 W 108 ST  
Owner City,St,Zip: NEW YORK CITY, NY 10025  
Owner Telephone: (212) 865-8315  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: E & B OPERATING CORP  
Mailing Address: 137 W 108 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK CITY, NY 10025  
Mailing Contact: Not reported  
Mailing Telephone: (212) 865-8315  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: 137 W 108 ST  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: OTHER  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 07/24/1992  
Expiration Date: 08/17/1997  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E & B OPERATING CORP (Continued)**

**U000396115**

Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 12/01/1994  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: Not reported  
Capacity (gals): 600  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 12/01/1994  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2** **CON EDISON SERVICE BOX 17973** **RCRA NonGen / NLR** **1015747026**  
**148 W 108TH ST & E OF AMSTERDA** **NY MANIFEST** **NYP004250288**  
**NEW YORK, NY 10025**

< 1/8  
0.001 mi.  
3 ft.

**Site 2 of 8 in cluster A**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 04/22/2012

Facility name: CON EDISON SERVICE BOX 17973  
Facility address: 148 W 108TH ST & E OF AMSTERDA  
AVE FRONT OF  
NEW YORK, NY 10025

EPA ID: NYP004250288  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: JOSE MONTALVO  
Contact address: Not reported

Contact country: Not reported  
Contact telephone: (212) 427-1331

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/23/2012

Site name: CON EDISON SERVICE BOX 17973  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004250288  
Country: USA  
Location Address 1: F/O 148 WEST 108TH ST & AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 17973 (Continued)**

**1015747026**

Mailing Info:

Name: CONSOLIDATED EDISON - SERV BOX 17973  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 03/23/2012  
Trans1 Recv Date: 03/23/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/23/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004250288  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 009203880JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

A3  
SSE  
< 1/8  
0.001 mi.  
6 ft.

**TIME WARNER CABLE**  
**156 WEST 108TH STREET**  
**NEW YORK, NY 10025**  
**Site 3 of 8 in cluster A**

NY AST A100386238  
N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-612210  
Program Type: PBS

Actual:  
90 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TIME WARNER CABLE (Continued)**

**A100386238**

UTM X: Not reported  
UTM Y: Not reported  
Expiration Date: 03/28/2019  
Site Type: Other

**Affiliation Records:**

Site Id: 493101  
Affiliation Type: Facility Owner  
Company Name: SAL AZZARO-TIME WARNER CABLE  
Contact Type: VP  
Contact Name: ABBAS FAMILY, PE  
Address1: 41-61 KISSENA BLVD.  
Address2: Not reported  
City: FLUSHING  
State: NY  
Zip Code: 11355  
Country Code: 001  
Phone: (718) 670-6510  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/15/2014

Site Id: 493101  
Affiliation Type: Mail Contact  
Company Name: WALTER T. GORMAN, PE, PC  
Contact Type: Not reported  
Contact Name: ABBAS FAMILY OF  
Address1: 99 TULIP AVENUE  
Address2: SUITE 106  
City: FLORAL PARK  
State: NY  
Zip Code: 11001  
Country Code: 001  
Phone: (917) 584-6509  
EMail: ABBAS.FAMILY@WTGPEPC  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/16/2014

Site Id: 493101  
Affiliation Type: On-Site Operator  
Company Name: TIME WARNER CABLE  
Contact Type: Not reported  
Contact Name: HECTOR ROSARIO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 337-9616  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/28/2014

Site Id: 493101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TIME WARNER CABLE (Continued)**

**A100386238**

Affiliation Type: Emergency Contact  
Company Name: SAL AZZARO-TIME WARNER CABLE  
Contact Type: Not reported  
Contact Name: HECTOR ROSARIO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 337-9616  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/28/2014

Tank Info:

Tank Number: 001  
Tank Id: 251515

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G10 - Tank Secondary Containment - Impervious Underlayment (AG)  
J02 - Dispenser - Suction Dispenser  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/23/2010  
Capacity Gallons: 770  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/28/2014  
Material Name: Diesel

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A4**  
**SSE**  
 < 1/8  
 0.001 mi.  
 6 ft.

**FIFTY GAL IN MH 17970, MAYBE MOTOR OIL**  
**156 WEST 108 STREET**  
**MANHATTAN, NY**

**NY Spills**    **S109206006**  
 N/A

**Site 4 of 8 in cluster A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0804009  
 Facility Type: ER  
 DER Facility ID: 350108  
 Site ID: 400837  
 DEC Region: 2  
 Spill Date: 7/8/2008  
 Spill Number/Closed Date: 0804009 / 9/16/2008  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**90 ft.**

**SWIS:** 3101  
 Investigator: RWAUSTIN  
 Referred To: Not reported  
 Reported to Dept: 7/8/2008  
 CID: 77  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/8/2008  
 Spill Record Last Update: 9/16/2008  
 Spiller Name: Not reported  
 Spiller Company: CON EDISON  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: 212335. see eDocs9/16/08 - Austin - PCB contaminated oil removed - post-ex wipes below limits - closed

**Remarks:** believed to be motor oil, but unconfirmed. spill contained to manhole. Con Ed Ref#212335.

**Material:**

Site ID: 400837  
 Operable Unit ID: 1157650  
 Operable Unit: 01  
 Material ID: 2148678  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 50  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FIFTY GAL IN MH 17970, MAYBE MOTOR OIL (Continued)**

**S109206006**

Tank Test:

**B5  
East  
< 1/8  
0.019 mi.  
99 ft.**

**WEST 109 PORTFOLIO, LLC  
118 WEST 109TH STREET  
NEW YORK, NY 10025**

**NY AST A100300819  
N/A**

**Site 1 of 12 in cluster B**

**Relative:  
Lower**

AST:

**Actual:  
80 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-608030  
Program Type: PBS  
UTM X: 587554.76645999996  
UTM Y: 4517224.64730000003  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 29882  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 118-120 LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29882  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29882  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 118-120 LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100300819**

Contact Type: Not reported  
Contact Name: HI TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 235-6274  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29882  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 118-120 LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: P O BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 64189  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
B01 - Tank External Protection - Painted/Asphalt Coating  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1999

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100300819**

Capacity Gallons: 2500  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: DMMOLOUG  
 Last Modified: 03/05/2014  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**A6**  
**ENE**  
**< 1/8**  
**0.020 mi.**  
**104 ft.**

**136-146 W 109TH ST**  
**136-146 W 109TH ST**  
**MANHATTAN, NY**  
**Site 5 of 8 in cluster A**

**NY Spills S102238744**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9512782  
 Facility Type: ER  
 DER Facility ID: 132718  
 Site ID: 156869  
 DEC Region: 2  
 Spill Date: 1/14/1996  
 Spill Number/Closed Date: 9512782 / 11/22/1996  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**91 ft.**

**SWIS:**

Investigator: KSTANG  
 Referred To: Not reported  
 Reported to Dept: 1/14/1996  
 CID: 233  
 Water Affected: Not reported  
 Spill Source: Private Dwelling  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/14/1996  
 Spill Record Last Update: 1/29/1998  
 Spiller Name: JOHN GOODWIN  
 Spiller Company: MYSTIC TRANSPORTATION  
 Spiller Address: 1901 STEINWAY ST  
 Spiller City,St,Zip: ASTORIA, NY 11105-001  
 Spiller Company: 001  
 Contact Name: FIRE CHIEF ON SCENE  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG" AFTER CONSIDERING THE FACT THAT THE SPILL HAS OCCURRED A LONG TIME AGO, AND THE REMARKS INDICATE NO LONG-TERM FOLLOW-UP AS BEING REQUIRED; I HAVE DECIDED TO CLOSE THIS SPILL. CLEANED BY RP.

Remarks:

unk cause of spill clean up crew on the way to scene

Material:

Site ID: 156869

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

136-146 W 109TH ST (Continued)

S102238744

Operable Unit ID: 1023892  
Operable Unit: 01  
Material ID: 356527  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 200  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A7  
ENE  
< 1/8  
0.020 mi.  
104 ft.

136-140 WEST 109TH ST  
136-140 WEST 109TH ST  
MANHATTAN, NY

NY LTANKS S102960148  
N/A

Site 6 of 8 in cluster A

Relative:  
Lower

LTANKS:

Actual:  
91 ft.

Site ID: 311964  
Spill Number/Closed Date: 9709800 / 2/8/2005  
Spill Date: 11/21/1997  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 11/21/1997  
CID: 351  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/22/1997  
Spill Record Last Update: 2/8/2005  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: ERIC CASTEN  
Spiller Phone: (718) 665-5700  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 251652  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"5/12/04 - ORIG. ASSIGNED TO HALE2/8/05 - Austin - no further

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

136-140 WEST 109TH ST (Continued)

S102960148

Remarks: info on this surface spill - closed - end  
DELIVERY WAS BEING MADE BY MYSTIC YESTERDAY - THE TANK WAS OVERFILLED  
BUT ALSO WAS NOT SOUND - A.L. EASTMAN & SONS IS DOING THE CLEAN UP  
(CONTACT IS JOE 718-378-3000)

Material:  
Site ID: 311964  
Operable Unit ID: 1052839  
Operable Unit: 01  
Material ID: 328132  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 200  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A8  
ENE  
< 1/8  
0.020 mi.  
104 ft.

WEST 109 PORTFOLIO, LLC  
136 WEST 109TH STREET  
NEW YORK, NY 10025

NY AST A100073797  
N/A

Site 7 of 8 in cluster A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-273511  
Program Type: PBS  
UTM X: 587549.47556000005  
UTM Y: 4517261.20940000001  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

Actual:  
91 ft.

Affiliation Records:  
Site Id: 11640  
Affiliation Type: Mail Contact  
Company Name: BEACON 109, 136-140 LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100073797**

Site Id: 11640  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 11640  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109, 136-140 LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 11640  
Affiliation Type: Facility Owner  
Company Name: BEACON 109, 136-140 LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 8973  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 109 PORTFOLIO, LLC (Continued)

A100073797

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
K01 - Spill Prevention - Catch Basin  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
3  
Tank Location:  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1925  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

C9  
North  
< 1/8  
0.021 mi.  
113 ft.

170 WEST 109TH STREET  
170 WEST 109TH STREET  
NEW YORK, NY 10025

NY AST U004045092  
N/A

Site 1 of 22 in cluster C

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-061425  
Program Type: PBS  
UTM X: 587469.67674999998  
UTM Y: 4517302.78639  
Expiration Date: 01/14/1997  
Site Type: Apartment Building/Office Building

Actual:  
100 ft.

Affiliation Records:

Site Id: 1086  
Affiliation Type: Facility Owner  
Company Name: 170 WEST 109TH ASSOCIATES  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 400 EAST 87TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10128  
Country Code: 001  
Phone: (212) 534-3131

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**170 WEST 109TH STREET (Continued)**

**U004045092**

EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1086  
Affiliation Type: Mail Contact  
Company Name: 170 WEST 109TH ASSOCIATES  
Contact Type: Not reported  
Contact Name: HARRY SALON  
Address1: 316 EAST 89TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10128  
Country Code: 001  
Phone: (212) 534-3131  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1086  
Affiliation Type: On-Site Operator  
Company Name: 170 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: FERNANDO RODRIGUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 534-3131  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1086  
Affiliation Type: Emergency Contact  
Company Name: 170 WEST 109TH ASSOCIATES  
Contact Type: Not reported  
Contact Name: HARRY SALON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 254-8970  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**170 WEST 109TH STREET (Continued)**

**U004045092**

Tank Info:

Tank Number: 001  
 Tank Id: 2764  
 Material Code: 0001  
 Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
 I04 - Overfill - Product Level Gauge (A/G)  
 A00 - Tank Internal Protection - None  
 D01 - Pipe Type - Steel/Carbon Steel/Iron  
 G00 - Tank Secondary Containment - None  
 B00 - Tank External Protection - None  
 C01 - Pipe Location - Aboveground  
 H00 - Tank Leak Detection - None

Tank Location: 1  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: Closed - In Place  
 Pipe Model: Not reported  
 Install Date: Not reported  
 Capacity Gallons: 3000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: TRANSLAT  
 Last Modified: 03/04/2004  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**C10**  
**North**  
**< 1/8**  
**0.022 mi.**  
**114 ft.**

**174 PROPERTY ASSOC INC**  
**174 WEST 109TH ST**  
**NEW YORK, NY 10025**  
**Site 2 of 22 in cluster C**

**NY AST U003390401**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-290416  
 Program Type: PBS  
 UTM X: 587460.25404999999  
 UTM Y: 4517307.67090999999  
 Expiration Date: 08/24/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**100 ft.**

Affiliation Records:  
 Site Id: 13122  
 Affiliation Type: Facility Owner  
 Company Name: 174 PROPERTY ASSOC INC  
 Contact Type: PRES  
 Contact Name: RAUL QUIROZ  
 Address1: 995 AMSTERDAM AVE  
 Address2: Not reported  
 City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

174 PROPERTY ASSOC INC (Continued)

U003390401

State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 866-3350  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 8/27/2007

Site Id: 13122  
Affiliation Type: Mail Contact  
Company Name: 174 PROPERTY ASSOC INC  
Contact Type: Not reported  
Contact Name: RAUL QUIROZ  
Address1: 995 AMSTERDAM AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 866-3350  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 8/27/2007

Site Id: 13122  
Affiliation Type: On-Site Operator  
Company Name: 174 PROPERTY ASSOC INC  
Contact Type: Not reported  
Contact Name: AMSTERDAM MGMT CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-3350  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 13122  
Affiliation Type: Emergency Contact  
Company Name: 174 PROPERTY ASSOC INC  
Contact Type: Not reported  
Contact Name: PAUL QUIROZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 781-7196  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**174 PROPERTY ASSOC INC (Continued)**

**U003390401**

Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 18973  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/19/1972  
Capacity Gallons: 1200  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/11/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-290416  
SWIS Code: 6201  
Operator: AMSTERDAM MGMT CORP  
Facility Phone: (212) 866-3350  
Facility Addr2: 174 WEST 109TH ST  
Facility Type: Not reported  
Emergency: PAUL QUIROZ  
Emergency Tel: (212) 781-7196  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 174 PROPERTY ASSOC INC  
Owner Address: 995 AMSTERDAM AVE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 866-3350

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**174 PROPERTY ASSOC INC (Continued)**

**U003390401**

Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: CATHY SUAREZ  
Mailing Name: 174 PROPERTY ASSOC INC  
Mailing Address: 995 AMSTERDAM AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 866-3350  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 04/30/1999  
Expiration: 08/24/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1200  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1200  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A11**  
**ESE**  
**< 1/8**  
**0.022 mi.**  
**114 ft.**

**108TH STREET**  
**108TH STREET**  
**MANHATTAN, NY**  
**Site 8 of 8 in cluster A**

**NY Spills**    **S103036095**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9712907  
Facility Type: ER  
DER Facility ID: 126727  
Site ID: 148924  
DEC Region: 2  
Spill Date: 2/19/1998  
Spill Number/Closed Date: 9712907 / 2/19/1998  
Spill Cause: Missing Code in Old Data - Must be fixed  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**83 ft.**

**SWIS:**

Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 2/19/1998  
CID: 266  
Water Affected: Not reported  
Spill Source: Missing Code in Old Data - Must be fixed  
Spill Notifier: Missing Code in Old Data - Must be fixed  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/19/1998  
Spill Record Last Update: 2/19/1998  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"REFER TO DEP.

**Remarks:**

BETWEEN COLUMBUS & AMSTERDAM. "ILLEGAL DUMPING" PER COMPLAINANT. TEAM RESPONDED AND FOUND A VEHICLE LEAKING OIL WITH A DRIP PAN UNDERNEATH. VEHICLE IS NEAR A STORM DRAIN. COAST GUARD TAKING NO FURTHER ACTION.

**Material:**

Site ID: 148924  
Operable Unit ID: 1059118  
Operable Unit: 01  
Material ID: 327487  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**108TH STREET (Continued)**

**S103036095**

Tank Test:

**D12**  
**WNW**  
**< 1/8**  
**0.028 mi.**  
**149 ft.**

**981 AMSTERDAM AVENUE**  
**981 AMSTERDAM AVENUE**  
**NEW YORK, NY 10025**

**NY HIST UST** **U003835977**  
**NY AST** **N/A**

**Site 1 of 34 in cluster D**

**Relative:**  
**Higher**

**HIST UST:**

**Actual:**  
**106 ft.**

PBS Number: 2-606766  
SPDES Number: Not reported  
Emergency Contact: ASST. COMMISSIONER/DAMP  
Emergency Telephone: (212) 863-7301  
Operator: ASST. COMMISSIONER/DAMP  
Operator Telephone: (212) 863-7301  
Owner Name: NYC/HPD/DAMP  
Owner Address: 100 GOLD ST., #7Z5  
Owner City,St,Zip: NEW YORK, NY 10038  
Owner Telephone: (212) 863-7301  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Name: NYC/HPD/DAMP  
Mailing Address: 100 GOLD STREET  
Mailing Address 2: #7Z5  
Mailing City,St,Zip: NEW YORK, NY 10038  
Mailing Contact: ASST. COMMISSIONER/DAMP  
Mailing Telephone: (212) 863-7301  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: Not reported  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 08/24/2001  
Expiration Date: 08/22/2006  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**981 AMSTERDAM AVENUE (Continued)**

**U003835977**

Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 3000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: Painted/Asphalt Coating  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Not reported  
Leak Detection: None  
Overfill Prot: Vent Whistle  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: 12/27/1987  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606766  
Program Type: PBS  
UTM X: 587334.99280999997  
UTM Y: 4517267.23544  
Expiration Date: 08/22/2016  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 28623  
Affiliation Type: Facility Owner  
Company Name: NYC DEP OF HOUSING PRESERVATION & DEVELOPMENT  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 100 GOLD ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-8590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/8/2013

Site Id: 28623  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**981 AMSTERDAM AVENUE (Continued)**

**U003835977**

Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: ASST COMMR DIV PROP DISP & FINANCE  
Address1: 100 GOLD STREET  
Address2: 9Y-3  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-8590  
EMail: ALEXANDJ@HPD.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/8/2013

Site Id: 28623  
Affiliation Type: On-Site Operator  
Company Name: 981 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: VICTOR HERNANDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 863-6251  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/8/2013

Site Id: 28623  
Affiliation Type: Emergency Contact  
Company Name: NYC DEP OF HOUSING PRESERVATION & DEVELOPMENT  
Contact Type: Not reported  
Contact Name: DEREK PARSONS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 559-4337  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/8/2013

Tank Info:

Tank Number: 001  
Tank Id: 61858  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

981 AMSTERDAM AVENUE (Continued)

U003835977

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1967  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/08/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

D13  
WNW  
< 1/8  
0.029 mi.  
154 ft.

CON EDISON SERVICE BOX: 24553  
AMSTERDAM AVE & 108TH ST  
NEW YORK, NY 10025

RCRA-CESQG 1016150218  
NY MANIFEST NYP004288890

Site 2 of 34 in cluster D

Relative:  
Higher

RCRA-CESQG:

Date form received by agency: 02/13/2013  
Facility name: CON EDISON SERVICE BOX: 24553  
Facility address: AMSTERDAM AVE & 108TH ST  
NEW YORK, NY 10025  
EPA ID: NYP004288890  
Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: JOSE MONTALVO  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 427-1331  
Contact email: Not reported  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

Actual:  
106 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 24553 (Continued)**

**1016150218**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004288890  
Country: USA  
Location Address 1: F/O 989 AMSTERDAM & 108TH ST  
Location Address 2: SERV BOX 24553  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 02/13/2013  
Trans1 Recv Date: 02/13/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/13/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 24553 (Continued)**

**1016150218**

Generator EPA ID: NYP004288890  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDf ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 010840193JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**D14  
WNW  
< 1/8  
0.029 mi.  
154 ft.**

**NYSDEC BUREAU OF SPILL RESPONSE REGION 2  
W 108TH ST & AMSTERDAM AVE  
NEW YORK, NY**

**NY MANIFEST S108933864  
N/A**

**Site 3 of 34 in cluster D**

**Relative:  
Higher**

NY MANIFEST:

EPA ID: NYP000543191  
Country: USA

**Actual:  
106 ft.**

Location Address 1: W 108TH ST & AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: NYSDEC BUREAU OF SPILL RESPONSE REGION 2  
Contact: N/S  
Address: 222-34 96TH AVE  
City/State/Zip: QUEENS VILLAGE, NY 11429  
Country: USA  
Phone: 800-457-7362

Manifest:

Document ID: NYG1068633  
Manifest Status: Not reported  
Trans1 State ID: 42720AC  
Trans2 State ID: Not reported  
Generator Ship Date: 03/04/1999  
Trans1 Recv Date: 03/04/1999  
Trans2 Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYSDEC BUREAU OF SPILL RESPONSE REGION 2 (Continued)**

**S108933864**

TSD Site Recv Date: 03/08/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP000543191  
Trans1 EPA ID: NYD064743263  
Trans2 EPA ID: Not reported  
TSD ID: NYD082785429  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 1999

**D15**  
**WNW**  
**< 1/8**  
**0.029 mi.**  
**154 ft.**

**CON EDISON**  
**W 108TH ST & AMSTERDAM AVE**  
**NEW YORK, NY 10017**  
**Site 4 of 34 in cluster D**

**RCRA-CESQG 1012185156**  
**NY MANIFEST NYP004159588**  
**NJ MANIFEST**

**Relative:**  
**Higher**

RCRA-CESQG:

Date form received by agency: 07/09/2008

Facility name: CON EDISON

Facility address: W 108TH ST & AMSTERDAM AVE  
NEW YORK, NY 10017

EPA ID: NYP004159588

Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: ANTONIO DELGADO

Contact address: Not reported

Contact country: Not reported

Contact telephone: (917) 559-8916

Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1012185156**

Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYP004159588  
Country: USA  
Location Address 1: 2315 UNIVERSITY AVE  
Location Address 2: Not reported  
Location City: BRONX  
Location State: NY  
Location Zip Code: 10453  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IEVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 07/09/2008  
Trans1 Recv Date: 07/09/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/16/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004159588  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 50.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 001433595FLE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1012185156**

Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: Y  
Discr Full Reject Ind: N  
Manifest Ref Num: 003748949JJK  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAD985286988  
Trans2 State ID: Not reported  
Generator Ship Date: 07/22/2008  
Trans1 Recv Date: 07/22/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004159588  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 50.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 003748949JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 07/09/2008  
Trans1 Recv Date: 07/09/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/11/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1012185156**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004159588
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSD ID:	NYD077444263
Waste Code:	Not reported
Quantity:	800.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	8.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001433504FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/09/2008
Trans1 Recv Date:	07/09/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/11/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004159588
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSD ID:	NYD077444263
Waste Code:	Not reported
Quantity:	700.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	7.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001433504FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

1012185156

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

**NJ MANIFEST:**

EPA Id: NYP004159588  
Mail Address: 4 IRVING PL, RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: ANTONIO DELGADO  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSDF Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

**Manifest:**

Manifest Number: 003748949JJK  
EPA ID: NYP004159588  
Date Shipped: 07/22/2008  
TSDF EPA ID: NJD002200046  
Transporter EPA ID: MAD985286988  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/22/2008  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 07/22/2008  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON (Continued)**

**1012185156**

Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: Not reported  
 Was Load Rejected: NEW YORK, NY 10003  
 Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2008 New Jersey Manifest Data  
 Waste Code: D008  
 Hand Code: H141  
 Quantity: 50 K

**D16**  
**WNW**  
 < 1/8  
 0.029 mi.  
 154 ft.

**W. 108TH ST & AMSTERDAM**  
**W. 108TH ST & AMSTERDAM**  
**MANHATTAN, NY**

**NY Spills S102150749**  
**N/A**

**Site 5 of 34 in cluster D**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9506936  
 Facility Type: ER  
 DER Facility ID: 235825  
 Site ID: 291249  
 DEC Region: 2  
 Spill Date: 9/7/1995  
 Spill Number/Closed Date: 9506936 / 2/1/2005  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**106 ft.**

**SWIS:**

Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 9/7/1995  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/4/1995  
 Spill Record Last Update: 2/1/2005  
 Spiller Name: Not reported  
 Spiller Company: CON EDISON  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: NEW YORK, NY 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**W. 108TH ST & AMSTERDAM (Continued)**

**S102150749**

Remarks: "ENGELHARDT"2/1/05: Con Ed submitted copy of notification letter to DEP which states: "Name of Substance Released: transformer oil. Hazardous Characteristic of Substance Released: 125 ppm PCB in transfOrmer vault 5176. Estimated Quantity of Substance Released: 10-20 gallons. Description Of Areas Affected By Release: transformer vault 5176 and sewer from vault pump. Cleanup completed 9/16/95." Close out. (JHO)  
 TRANSFORMER MALFUNCTION FLUID RAN OFF INTO SEWER SYSTEM - P.O. PETE MORALES OF USCG, CALLED TO REPORT THE SAME SPILL AT 08:09 09/07/95

Material:

Site ID: 291249  
 Operable Unit ID: 1017788  
 Operable Unit: 01  
 Material ID: 364892  
 Material Code: 0022  
 Material Name: Waste Oil/Used Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**D17**  
**WNW**  
 < 1/8  
 0.030 mi.  
 158 ft.

**200 WEST 108TH ST/MANH**  
**200 WEST 108TH STREET**  
**NEW YORK CITY, NY**  
**Site 6 of 34 in cluster D**

**NY LTANKS S104275643**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

Site ID: 74145  
 Spill Number/Closed Date: 9012229 / 5/25/1995  
 Spill Date: 2/25/1991  
 Spill Cause: Tank Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: 5/25/1995  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: WILSON  
 Referred To: Not reported  
 Reported to Dept: 2/25/1991  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Other  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 3/1/1991  
 Spill Record Last Update: 5/25/1995  
 Spiller Name: Not reported

**Actual:**  
**106 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 WEST 108TH ST/MANH (Continued)**

**S104275643**

Spiller Company: 200 WEST 108TH ST COOP  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 69655  
DEC Memo: Not reported  
Remarks: SPILL CONTAINED IN ROOM,WILL VAC & WASH,ABC TANK WILL DO CLEAN UP.

Material:  
Site ID: 74145  
Operable Unit ID: 949241  
Operable Unit: 01  
Material ID: 428733  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**D18**  
**WNW**  
**< 1/8**  
**0.030 mi.**  
**158 ft.**

**200 WEST 108TH STREET HOUSING CORP.**  
**200 WEST 108TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003396326**  
**NY HIST AST** **N/A**

**Site 7 of 34 in cluster D**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601819  
Program Type: PBS  
UTM X: 587351.56449000002  
UTM Y: 4517273.8565999996  
Expiration Date: 04/21/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:  
Site Id: 23781  
Affiliation Type: Facility Owner  
Company Name: 200 WEST 108 STREET HOUSING CORP.  
Contact Type: PRESIDENT  
Contact Name: STEVEN PINCHASIK  
Address1: 136 GLENWOOD ROAD  
Address2: Not reported  
City: GLENWOOD LANDING  
State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 WEST 108TH STREET HOUSING CORP. (Continued)**

**U003396326**

Zip Code: 11547  
Country Code: 001  
Phone: (516) 609-8200  
EMail: STEVEP@CARLTONMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2014

Site Id: 23781  
Affiliation Type: Mail Contact  
Company Name: 200 WEST 108 STREET HOUSING CORP.  
Contact Type: PRESIDENT  
Contact Name: STEVEN PINCHASIK  
Address1: 136 GLENWOOD ROAD  
Address2: Not reported  
City: GLENWOOD LANDING  
State: NY  
Zip Code: 11547  
Country Code: 001  
Phone: (516) 609-8200  
EMail: STEVEP@CARLTONMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2014

Site Id: 23781  
Affiliation Type: On-Site Operator  
Company Name: 200 WEST 108TH STREET HOUSING CORP.  
Contact Type: Not reported  
Contact Name: NICOLA DJONOVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 864-5949  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2014

Site Id: 23781  
Affiliation Type: Emergency Contact  
Company Name: 200 WEST 108 STREET HOUSING CORP.  
Contact Type: Not reported  
Contact Name: STEVEN PINCHASIK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 609-8200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 WEST 108TH STREET HOUSING CORP. (Continued)**

**U003396326**

Date Last Modified: 12/16/2014

Tank Info:

Tank Number: 001  
Tank Id: 253921

Equipment Records:

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/21/2014  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/16/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 01  
Tank Id: 47940  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
I00 - Overfill - None  
L00 - Piping Leak Detection - None  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**200 WEST 108TH STREET HOUSING CORP. (Continued)**

**U003396326**

Pipe Model: Not reported  
Install Date: 06/01/1930  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 03/01/2014  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/16/2014  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-601819  
SWIS Code: 6201  
Operator: NICK DJONOVIC  
Facility Phone: (212) 864-5949  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: NICK DJONOVIC  
Emergency Tel: (212) 864-5949  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 200 WEST 108 STREET HOUSING CORP.  
Owner Address: 200 WEST 108TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 753-3210  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: HERON MGMT LTD.  
Mailing Name: 200 W 108TH ST HOUSING CORP.C/O HERON MGMT LTD.  
Mailing Address: 820 SECOND AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10017  
Mailing Telephone: (212) 753-3210  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 03/23/1999  
Expiration: 04/21/2004  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**200 WEST 108TH STREET HOUSING CORP. (Continued)**

**U003396326**

Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 7500  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 1  
 Tank External: 10  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: 05  
 Tank Containment: 18  
 Leak Detection: 00  
 Overfill Protection: 04  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**D19**  
**WNW**  
**< 1/8**  
**0.030 mi.**  
**158 ft.**

**WEST 108 ST / AMSTERDAM AVE**  
**W. 108TH ST / AMSTERDAM AVE**  
**MANHATTAN, NY**

**NY Spills S104648443**  
**N/A**

**Site 8 of 34 in cluster D**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9812614  
 Facility Type: ER  
 DER Facility ID: 88068  
 Site ID: 99055  
 DEC Region: 2  
 Spill Date: 1/12/1999  
 Spill Number/Closed Date: 9812614 / 8/14/2009  
 Spill Cause: Abandoned Drums  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**106 ft.**

**SWIS:** 3101  
 Investigator: JBVOUGHT  
 Referred To: Not reported  
 Reported to Dept: 1/12/1999  
 CID: 233  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 108 ST / AMSTERDAM AVE (Continued)**

**S104648443**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/12/1999  
Spill Record Last Update: 8/18/2009  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: UNKNOWN  
Spiller City,St,Zip: UNKNOWN, ZZ  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"5/12/04 - AUSTIN - TRANSFERED FROM MULQUEEN TO TIPPLE - END8/23/05 - Raphael Ketani. Case transferred to Jeff Vought.8/6/09- Complete file review by Intern EM Ibeh and DEC Vought.File being reviewed is SP# 9812614, PIN# 00841, spill date- 1/12/99 at W 108 St./Amsterdam Ave. Caller's remarks state " (2) 30gal. drums left on sidewalk, some material has spilled. Request response". Neither spill nor PBS records found.Undated letter from Tibbe to Milro Associates, Inc. stating that they were contracted by NYSDEC to perform emergency site remediation at the above site and in doing so, 2x55gallon drums of waste oil with sand and Speedi-Dry were collected. That Milro was to transport materials back to their yard and store till test analysis could be performed and proper disposal arrangements developed.1/15/99- PIN number request from DEC Tibbe.1/25/99- Fax from Joanne Sokaris requesting for a PIN.3/4/99- Hazardous Waste manifest.3/21/00- ISR to Albany08/14/09-Vought-Vought and Ibeh reviewed site with DEC Austin and spill closed as spill on concrete sidewalk from abandoned drums that was addressed by PIN contractor. Spill cleaned via speedy dry. Ibeh spoke with NYSOAG Bechard and they had no record of spill. Due to age of spill (greater than six years) cost recovery not possible due to statute of limitations and no known RP. Vought left message for DEC Farrar to determine whether Final ISR is required.08/18/09-Vought-Spoke to DEC Farrar and as "Att. Gen. Close Date" box is filled out in UIS, no Final ISR needed.  
Remarks: 2 30 gallon drums left on side walk some material has spilled request response asap

Material:  
Site ID: 99055  
Operable Unit ID: 1073122  
Operable Unit: 01  
Material ID: 312891  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 60  
Units: Gallons  
Recovered: 59  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>D20</b> <b>WNW</b> <b>&lt; 1/8</b> <b>0.030 mi.</b> <b>158 ft.</b>	<b>VAULT 5176</b> <b>W108TH ST/AMSTERDAM AVE</b> <b>MANHATTAN, NY</b>  <b>Site 9 of 34 in cluster D</b>	<b>NY Spills</b>	<b>S104953212</b> <b>N/A</b>
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**Relative:**  
**Higher**

**SPILLS:**

Facility ID:	0012838
Facility Type:	ER
DER Facility ID:	107046
Site ID:	123492
DEC Region:	2
Spill Date:	3/5/2001
Spill Number/Closed Date:	0012838 / 8/24/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**106 ft.**

<b>SWIS:</b>	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	3/5/2001
CID:	207
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/5/2001
Spill Record Last Update:	8/24/2001
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	PETER MCGUIRE
Contact Phone:	(212) 580-6765
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

**Remarks:** on 7 gals of water - cleanup pending sample resultscon ed # 135796

**Material:**

Site ID:	123492
Operable Unit ID:	834380
Operable Unit:	01
Material ID:	539564
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 5176 (Continued)**

**S104953212**

Tank Test:

**B21**  
**East**  
**< 1/8**  
**0.030 mi.**  
**160 ft.**

**APART**  
**107 WEST 109TH STREET**  
**NEW YORK, NY**

**NY LTANKS** **S108765693**  
**N/A**

**Site 2 of 12 in cluster B**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**76 ft.**

Site ID: 386804  
Spill Number/Closed Date: 0706309 / 1/7/2008  
Spill Date: 9/5/2007  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: bkfalvey  
Referred To: Not reported  
Reported to Dept: 9/5/2007  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 9/5/2007  
Spill Record Last Update: 1/7/2008  
Spiller Name: BOB @SNS  
Spiller Company: APART  
Spiller Address: 107 WEST 109TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: BOB @SNS  
Spiller Phone: (631) 241-7144  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 336211  
DEC Memo: 9/11/07 bf: Sent ttf letter to:Gloria PitchfordArco Management Corp.1871 7th Ave.Adam Clayton Blvd.New york, NY 1002610/9/07 received ttf letter marked "RETURN TO SENDER, UNCLAIMED, UNABLE TO FORWARD." bf1/7/08 Received letter from Stuart N. Schwartz of SNS Energy Distribution Corporation. Vent piping was in disrepair and replaced. Leak was in exposed area aboveground. No spill. NFA. bf  
Remarks: PBS No: 2-336424

**Material:**

Site ID: 386804  
Operable Unit ID: 1144032  
Operable Unit: 01  
Material ID: 2134321  
Material Code: 0001A  
Material Name: #2 Fuel Oil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APART (Continued)**

**S108765693**

Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 386804  
Spill Tank Test: 1764086  
Tank Number: 1  
Tank Size: 2500  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 9/5/2007  
Test Method: Horner EZ Check I or II

**B22**  
**East**  
**< 1/8**  
**0.030 mi.**  
**160 ft.**

**107 W 109TH ST**  
**107 WEST 109TH STREET**  
**NEW YORK, NY 10025**  
**Site 3 of 12 in cluster B**

**NY AST** **A100304604**  
**N/A**

**Relative:**  
**Lower**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-336424  
Program Type: PBS  
UTM X: 587624.44362000003  
UTM Y: 4517235.78522  
Expiration Date: 07/18/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**76 ft.**

**Affiliation Records:**

Site Id: 16085  
Affiliation Type: Mail Contact  
Company Name: MANHATTAN NORTH MANAGEMENT CO.  
Contact Type: Not reported  
Contact Name: DENNIS OVALLE  
Address1: 107 EAST 126TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10035  
Country Code: 001  
Phone: (212) 996-0200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/29/2011

Site Id: 16085  
Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107 W 109TH ST (Continued)

A100304604

Company Name: MORNINGSIDE PHASE B  
Contact Type: Not reported  
Contact Name: DARRELL COX  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 219-7858  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/10/2006

Site Id: 16085  
Affiliation Type: Emergency Contact  
Company Name: VUSUF BILIDRIC  
Contact Type: Not reported  
Contact Name: HAMIE FREEMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (845) 368-2400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/10/2006

Site Id: 16085  
Affiliation Type: Facility Owner  
Company Name: TPE MORNINGSIDE 109 LLC  
Contact Type: DIRECTOR OF OPERATIONS  
Contact Name: DENNIS OVALLE  
Address1: 405 PARK AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10022  
Country Code: 001  
Phone: (212) 421-1117  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/29/2011

Tank Info:

Tank Number: 001  
Tank Id: 28371  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107 W 109TH ST (Continued)

A100304604

Equipment Records:

- A01 - Tank Internal Protection - Epoxy Liner
- D01 - Pipe Type - Steel/Carbon Steel/Iron
- G00 - Tank Secondary Containment - None
- J02 - Dispenser - Suction Dispenser
- L09 - Piping Leak Detection - Exempt Suction Piping
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- I04 - Overfill - Product Level Gauge (A/G)
- B00 - Tank External Protection - None
- E00 - Piping Secondary Containment - None
- H00 - Tank Leak Detection - None
- K00 - Spill Prevention - None

Tank Location: 1  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 11/14/1960  
 Capacity Gallons: 2500  
 Tightness Test Method: 21  
 Date Test: 01/03/2008  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: MSBAPTIS  
 Last Modified: 07/07/2011  
 Material Name: #2 Fuel Oil (On-Site Consumption)

E23  
ESE  
< 1/8  
0.031 mi.  
162 ft.

MAN HOLE #17969  
103 WEST 108TH ST  
MANHATTAN, NY  
Site 1 of 9 in cluster E

NY Spills S104787798  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0005128  
 Facility Type: ER  
 DER Facility ID: 239697  
 Site ID: 296204  
 DEC Region: 2  
 Spill Date: 7/29/2000  
 Spill Number/Closed Date: 0005128 / 10/24/2001  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
82 ft.

SWIS: 3101  
 Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 7/29/2000  
 CID: 233  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Affected Persons  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MAN HOLE #17969 (Continued)**

**S104787798**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/29/2000  
Spill Record Last Update: 10/24/2001  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"Con Ed e2mis Notes:7/29/00 1 pint motor oil mixed with 1gal water in manhole. Sample returned 0ppm PCB. ID analysis not completed due to degraded quality of sample. Environmental Operations used high pressure hose to double wash floor and walls with slix. No sump. One plastic bag of solid waste generated.  
Remarks: con ed # 132611 material found in man hole on surface of 1 gallon of water no sewer or waterway affected no to all 5 questions clean up pending lab results

Material:  
Site ID: 296204  
Operable Unit ID: 827548  
Operable Unit: 01  
Material ID: 566146  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

D24  
WNW  
< 1/8  
0.033 mi.  
174 ft.

**201 WEST 108 STREET CORPORATION**  
**201 WEST 108TH STREET**  
**NYC, NY 10025**  
**Site 10 of 34 in cluster D**

**NY AST U003385136**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-096717  
Program Type: PBS  
UTM X: 587356.1561099998  
UTM Y: 4517285.1240699999  
Expiration Date: 10/15/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:  
Site Id: 2754

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 108 STREET CORPORATION (Continued)**

**U003385136**

Affiliation Type: Facility Owner  
Company Name: STRATA REALTY CORP  
Contact Type: PRESIDENT  
Contact Name: ALAN GARFIELD  
Address1: 950 THIRD AVE, SUITE 2604  
Address2: Not reported  
City: NEW YORK CITY  
State: NY  
Zip Code: 10022  
Country Code: 001  
Phone: (212) 661-0333  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/1/2013

Site Id: 2754  
Affiliation Type: Mail Contact  
Company Name: STRATA REALTY CORP.  
Contact Type: Not reported  
Contact Name: ALAN GARFIELD-PRESIDENT  
Address1: C/O GARFIELD DEVELOPMENT CORP.  
Address2: 950 THIRD AVE, SUITE 2604  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 661-0333  
EMail: GARFIELDDEVCORP@AOL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/1/2013

Site Id: 2754  
Affiliation Type: On-Site Operator  
Company Name: STRATA REALTY CORP  
Contact Type: Not reported  
Contact Name: 201 W. 108TH STREET CORP.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 661-0333  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 2754  
Affiliation Type: Emergency Contact  
Company Name: STRATA REALTY CORP  
Contact Type: Not reported  
Contact Name: GARFIELD DEVELOPMENT CORP  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 108 STREET CORPORATION (Continued)**

**U003385136**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 661-0333  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 5116  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1949  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: dxliving  
Last Modified: 08/30/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-096717  
SWIS Code: 6201  
Operator: 201 W. 108TH STREET CORP.  
Facility Phone: (212) 661-0333  
Facility Addr2: 201 WEST 108TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: GARFIELD DEVELOPMENT CORP  
Emergency Tel: (212) 661-0333  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 108 STREET CORPORATION (Continued)**

**U003385136**

Owner Name: 201 WEST 108TH STREET CORP./GARFIELD DEVELOP. COR.  
Owner Address: 675 THIRD AVENUE, SUITE 1606  
Owner City,St,Zip: NEW YORK CITY, NY 10017  
Federal ID: Not reported  
Owner Tel: (212) 661-0333  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: ALAN GARFIELD-PRESIDENT  
Mailing Name: 201 WEST 108TH STREET CORP.  
Mailing Address: C/O GARFIELD DEVELOPMENT CORP.  
Mailing Address 2: 675 THIRD AVENUE, SUITE 1606  
Mailing City,St,Zip: NEW YORK, NY 10017  
Mailing Telephone: (212) 661-0333  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 02/25/1998  
Expiration: 10/15/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**201 WEST 108 STREET CORPORATION (Continued)**

**U003385136**

Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**C25  
 NNW  
 < 1/8  
 0.036 mi.  
 189 ft.**

**MANHAOLE 60621  
 W 109TH ST & AMSTERDAM AV  
 MANHATTAN, NY  
 Site 3 of 22 in cluster C**

**NY Spills S103572946  
 N/A**

**Relative:  
 Higher**

**SPILLS:**

Facility ID: 9808753  
 Facility Type: ER  
 DER Facility ID: 186507  
 Site ID: 225948  
 DEC Region: 2  
 Spill Date: 10/14/1998  
 Spill Number/Closed Date: 9808753 / 11/4/2003  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 103 ft.**

**SWIS:**

Investigator: CAENGELH  
 Referred To: Not reported  
 Reported to Dept: 10/14/1998  
 CID: 270  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Affected Persons  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/14/1998  
 Spill Record Last Update: 11/14/2003  
 Spiller Name: Not reported  
 Spiller Company: CON ED  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: RICHARD ROACH  
 Contact Phone: (212) 580-6764  
 DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"e2mis 12051110/14/98 13:03 O.S UG-N P.REIDMILLER(52281) REPORTS WHILE DOING A ROUTINE INSPECTION IN MH60621 S/S W.109TH ST 398' W/O AMSTERDAMAVE FOUND 16 OUNCES OF UNKNOWN FLUID.. HAVE 5 GALLONS OF WATER. CONTAINED AND NO RELEASE,UNABLE TO VERIFY CRACKS INSUMP. NO SUMP RUNNING,NO SEWER CONNECTION NO ENTRY INTO SEWER OR WATERWAYS.. SAMPLE TAKEN AND TAG #10664 INSTALLED...CLEANUP PENDING RESULTSIf this is a Con Edison manhole it contains electrical cable and splices. Many manholes have a sealed sump in the floor which is used to allow runoff when pumping the structure. A hose is place in this sump and water on the floor will flow into the sump allowing the floor to be cleaned. If cleaned prior to analysis of the fluid, the structure will be cleaned as >50 PPM and all liquid and waste will be manifested accordingly. The structure will be double washed with a

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

MANHAOLE 60621 (Continued)

S103572946

degreaser, i.e. Slix. All cleaning material and PPE will also be treated as >50. If any sludge is found within a manhole it is treated as lead contaminated and manifested accordingly. The spill identification tag will remain secured to the structure until the analysis is completed and if <500 PPM the signage will be removed. If the analysis is >499 PPM, a grid will be prepared for wipe testing the area. Until the analysis of the wipes are proven to be <10ugs/100cme2 all additional waste produced from the structure will be treated as the original analysis.If this spill occurred in a transformer vault containing a sump pump and there was a possible release, the drainpipe trap will be dismantled to determine if oil wasreleased. Sludge found in a vault, through historical analysis, has been determined not to contain lead.10/14/98 13:37 cig(roach) advised.....  
pm5810110/15/98 04:10LAB SEQUENCE #98-11040 ON 10/15/98 AT 03:06AM REPORTS PCB <1.0 PPMAROCCLOR 1254. WNB#0752510-21-98 12:00Cleanup complete on 10-20-98 at 12:30, supervised by J.McCabe 00305. 16 ounces oil removed with absorbant, mh was then flushed. 4-bags non-hazardouswaste generated. Tag 10664 removed. Crew: M.Brotko 10504 and T.Robinson 50666. PCB<1PPM.  
OIL FOUND IN MANHOLE OUT FOR TEST 120511

Remarks:  
Material:  
Site ID: 225948  
Operable Unit ID: 1069942  
Operable Unit: 01  
Material ID: 316242  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

B26  
ESE  
< 1/8  
0.036 mi.  
192 ft.

980 COLUMBUS AVE  
NEW YORK, NY 10025  
Site 4 of 12 in cluster B

EDR US Hist Auto Stat 1015687895  
N/A

Relative:  
Lower  
Actual:  
80 ft.

EDR Historical Auto Stations:  
Name: REYES AUTO PARTS  
Year: 2001  
Address: 980 COLUMBUS AVE  
Name: REYES AUTO PARTS  
Year: 2003  
Address: 980 COLUMBUS AVE  
Name: REYES AUTO PARTS  
Year: 2004  
Address: 980 COLUMBUS AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015687895

Name: REYES AUTO PARTS  
Year: 2005  
Address: 980 COLUMBUS AVE

Name: REYES AUTO PARTS  
Year: 2006  
Address: 980 COLUMBUS AVE

D27  
West  
< 1/8  
0.037 mi.  
193 ft.

**BASEMENT FLOOR**  
**175 W 107TH ST**  
**NEW YORK, NY**  
**Site 11 of 34 in cluster D**

**NY Spills S112227182**  
**N/A**

Relative:  
Higher

Actual:  
105 ft.

SPILLS:  
Facility ID: 1206691  
Facility Type: ER  
DER Facility ID: 424005  
Site ID: 469699  
DEC Region: 2  
Spill Date: 10/5/2012  
Spill Number/Closed Date: 1206691 / 10/9/2012  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 10/5/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/5/2012  
Spill Record Last Update: 10/9/2012  
Spiller Name: Not reported  
Spiller Company: BENJAMIN SCOTT CORP  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: FOTHA THOEUN  
Contact Phone: 917 406 8905  
DEC Memo: 10/09/12-Hiralkumar Patel.10:14 AM:- spoke with Ms. Thoeun. she mentioned that boiler repair crew was working on-site and spilled about 2 gal onto boiler room floor. no soil/drain impacted. cleanup completed.case closed.  
Remarks: Caller advised 2 gallons of oil spilled onto basement floor and small amount into sump pump which is not connected. Clean up is pending.

Material:  
Site ID: 469699  
Operable Unit ID: 1219593  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BASEMENT FLOOR (Continued)**

**S112227182**

Material ID: 2218121  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**D28**  
**West**  
**< 1/8**  
**0.037 mi.**  
**193 ft.**

**961 AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015108743**  
**N/A**

**Site 12 of 34 in cluster D**

**Relative:**  
**Higher**

EDR Historical Cleaners:

**Actual:**  
**105 ft.**

Name: DYNASTY DRY CLEANERS  
Year: 1999  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2000  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2002  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2003  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2007  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2009  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2010  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2011  
Address: 961 AMSTERDAM AVE

Name: DYNASTY DRY CLEANERS  
Year: 2012  
Address: 961 AMSTERDAM AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D29  
West  
< 1/8  
0.037 mi.  
193 ft.

**DYNASTY CLEANERS**  
**961 AMSTERDAM AVE**  
**NEW YORK, NY 10025**  
**Site 13 of 34 in cluster D**

**NY DRYCLEANERS** 1006324361  
**US AIRS** N/A

**Relative:**  
**Higher**  
  
**Actual:**  
**105 ft.**

DRYCLEANERS:  
Facility ID: 2-6202-01260  
Phone Number: 212-866-4688  
Region: Not reported  
Registration Effective Date: 9/21/2001 10:42:58:03  
Inspection Date: 08NOV17  
Install Date: 01  
Drop Shop: Not reported  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: Not reported

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110004567415  
Plant name: DYNASTY CLEANERS  
Plant address: 961 AMSTERDAM AVE  
NEW YORK, NY 100253003  
County: NEW YORK  
Region code: 02  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 043  
Sic code: 7216  
Sic code desc: DRYCLEANING PLANTS, EXCEPT RUG  
North Am. industrial classf: 812320  
NAIC code description: Drycleaning and Laundry Services (except Coin-Operated)  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

Compliance and Enforcement Major Issues:

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported  
  
Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported  
  
Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Historical Compliance Minor Sources:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DYNASTY CLEANERS (Continued)**

**1006324361**

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1403
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1402
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1401
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1304
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1303
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1302
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1301
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1204
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1203
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1202
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1201
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1104
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1403
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1402
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DYNASTY CLEANERS (Continued)**

**1006324361**

Hist compliance date: 1401  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1304  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1303  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1302  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1301  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1204  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1203  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1202  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1201  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1104  
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DYNASTY CLEANERS (Continued)**

**1006324361**

Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: UNCLASSIFIED  
Repeat violator date: Not reported  
Turnover compliance: Not reported

**D30  
NNW  
< 1/8  
0.037 mi.  
194 ft.**

**CON EDISON MANHOLE 24554  
W 109TH ST & AMSTERDAM AVE SE  
NEW YORK, NY 10025**

**RCRA NonGen / NLR 1015746836  
NY MANIFEST NYP004248346**

**Site 14 of 34 in cluster D**

**Relative:  
Higher**

RCRA NonGen / NLR:

Date form received by agency: 03/20/2012

Facility name: CON EDISON MANHOLE 24554

Facility address: W 109TH ST & AMSTERDAM AVE SE  
COR

NEW YORK, NY 10025

EPA ID: NYP004248346

Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: JUAN RODRIGUEZ

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (347) 865-5931

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 24554 (Continued)**

**1015746836**

Historical Generators:

Date form received by agency: 02/19/2012  
Site name: CON EDISON MANHOLE 24554  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004248346  
Country: USA  
Location Address 1: S/E/C W 109ST & AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 02/19/2012  
Trans1 Recv Date: 02/19/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/21/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004248346  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 009204800JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON MANHOLE 24554 (Continued)**

**1015746836**

Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H111

**D31  
 NNW  
 < 1/8  
 0.037 mi.  
 194 ft.**

**LEAKING SWITCH  
 109TH ST/AMSTERDAM AV  
 MANHATTAN, NY**

**NY Spills S104650308  
 N/A**

**Site 15 of 34 in cluster D**

**Relative:  
 Higher**

**SPILLS:**

Facility ID: 9913031  
 Facility Type: ER  
 DER Facility ID: 193011  
 Site ID: 234289  
 DEC Region: 2  
 Spill Date: 2/16/2000  
 Spill Number/Closed Date: 9913031 / 11/16/2004  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 103 ft.**

**SWIS:**

Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 2/16/2000  
 CID: 312  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 2/16/2000  
 Spill Record Last Update: 11/16/2004  
 Spiller Name: SAME  
 Spiller Company: CON EDISON  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: NEW YORK, NY 10003  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"2/16/00: ERT Piczsatowski - removing transformer from vault, being transported to Astoria Yard. Oil leaked from broken switch. Most was contained on trailer. Are now moving switch to second vehicle. Treated as 50-499 for cleanup.  
 (JHO)-----e2mis no. 130002:At approximately 09:30, I received a call from Mr. Richard Byrne, Transportation, that a leak had occurred and been discovered on top of trailer # H0315. The leak was from a broken part of a switch in which approximately 50 gallons spilled out onto the trailer with approximately 1 gallon onto the roadway. the discoverer Dan Crawford, Transportation immediately contained the spill using his attack pac and received assistance and material from M-Cut of pads, pigs, etc. No sewers or waterways were

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LEAKING SWITCH (Continued)**

**S104650308**

Remarks: effected. Oil is unknown and will be treated as >50 to 499. crews from Astoria, 110th Street, Riggers have been dispatched to the location in addition to a pump tanker and truck with pan for secondary confinement. Supervisor informed to have lab sample taken, Mola in route with glass jars for oil sampling in the meantime will be handled as stated >50 to 499. amount in street is now 2 gallons and is still confined. No traffic is effected in street per driver. Final report in at 11:40 am, spill is cleaned up and was less than 1 gal. of oil on roadway.  
50GAL ON THE CONED TRAILER - 1GAL ON THE GROUND - CASE #130002 - CLEAN UP PENDING - CONTAINED

Material:  
Site ID: 234289  
Operable Unit ID: 1087561  
Operable Unit: 01  
Material ID: 294893  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 51  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C32  
NNW  
< 1/8  
0.037 mi.  
195 ft.

**W 110TH ST SUBSTATION  
1001 AMSTERDAM AVE  
MANHATTAN, NY**

**NY Spills S104880149  
N/A**

**Site 4 of 22 in cluster C**

**Relative:  
Higher**

SPILLS:  
Facility ID: 0008911  
Facility Type: ER  
DER Facility ID: 207839  
Site ID: 253737  
DEC Region: 2  
Spill Date: 11/1/2000  
Spill Number/Closed Date: 0008911 / 5/7/2001  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 11/1/2000  
CID: 390  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported

**Actual:  
103 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 110TH ST SUBSTATION (Continued)**

**S104880149**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/1/2000  
Spill Record Last Update: 5/7/2001  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: BILL MURPHY  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Reference #0008899, e2mis #134182.  
Remarks: 1 oz of fluid spilled to bluestone - unk clean up as of yetleak was from a-phase pothead feeder 38 mike 34, transformer #10con ed #134190

Material:  
Site ID: 253737  
Operable Unit ID: 829497  
Operable Unit: 01  
Material ID: 546414  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E33  
ESE  
< 1/8  
0.037 mi.  
197 ft.**

**NYNEX  
108TH ST/COLUMBUS AVE  
NEW YORK, NY 10027  
Site 2 of 9 in cluster E**

**NY MANIFEST 1009233870  
N/A**

**Relative:  
Lower**

NY MANIFEST:  
EPA ID: NYP000922179  
Country: USA  
Location Address 1: 108TH ST/COLUMBUS AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10027  
Location Zip Code 4: Not reported

**Actual:  
81 ft.**

Mailing Info:  
Name: NYNEX  
Contact: SUSHMITA BISWAS  
Address: 221 EAST 37TH STREET  
City/State/Zip: NEW YORK, NY 10016  
Country: USA  
Phone: 212-338-7126

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYNEX (Continued)**

**1009233870**

Manifest:

Document ID: MIA4133879  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 10/06/1995  
Trans1 Recv Date: 10/06/1995  
Trans2 Recv Date: 10/10/1995  
TSD Site Recv Date: 10/25/1995  
Part A Recv Date: / /  
Part B Recv Date: 11/13/1995  
Generator EPA ID: NYP000922179  
Trans1 EPA ID: NYD010951986  
Trans2 EPA ID: NYD046765574  
TSDF ID: MID096963194  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1995

**D34**  
**WNW**  
**< 1/8**  
**0.038 mi.**  
**199 ft.**

**204 WEST 108TH STREET ASSOC.**  
**204 WEST 108TH STREET**  
**NEW YORK, NY 10025**  
**Site 16 of 34 in cluster D**

**NY AST** **U003397136**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**107 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-603397  
Program Type: PBS  
UTM X: 587342.39491999999  
UTM Y: 4517278.7442699997  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 25314  
Affiliation Type: Mail Contact  
Company Name: LYONS PRIDE REALTY, LLC.  
Contact Type: Not reported  
Contact Name: DAVID LYONS  
Address1: 733 YONKERS AVE  
Address2: SUITE 303  
City: YONKERS  
State: NY  
Zip Code: 10704  
Country Code: 001  
Phone: (914) 963-5160  
EMail: DAVID@LYONSPRIDEREALTY.COM  
Fax Number: Not reported  
Modified By: KAKYER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**204 WEST 108TH STREET ASSOC. (Continued)**

**U003397136**

Date Last Modified: 9/25/2013  
  
Site Id: 25314  
Affiliation Type: On-Site Operator  
Company Name: LM 204 W 108TH ST. LLC.  
Contact Type: Not reported  
Contact Name: ANTONIO ACOSTA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-3413  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 5/7/2013

Site Id: 25314  
Affiliation Type: Emergency Contact  
Company Name: LM 204 WEST 108TH, LLC. C/O LYONS PRIDE REALTY  
Contact Type: Not reported  
Contact Name: ED OGRADY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 359-0014  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 5/7/2013

Site Id: 25314  
Affiliation Type: Facility Owner  
Company Name: LM 204 WEST 108TH, LLC.  
Contact Type: PROPERTY MGR  
Contact Name: SHAHID TAYLOR  
Address1: 733 YONKERS AVE, SUITE 303  
Address2: Not reported  
City: YONKERS  
State: NY  
Zip Code: 10704  
Country Code: 001  
Phone: (914) 963-5160  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 9/25/2013

Tank Info:

Tank Number: 001  
Tank Id: 54140

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**204 WEST 108TH STREET ASSOC. (Continued)**

**U003397136**

Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J00 - Dispenser - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
I01 - Overfill - Float Vent Valve  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 11/01/2007  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 09/25/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-603397  
SWIS Code: 6201  
Operator: RON BENCID  
Facility Phone: (212) 473-6359  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: RON BENCID  
Emergency Tel: (212) 473-6359  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 204 WEST 108TH STREET ASSOC.  
Owner Address: C/O MERLON MGT, 49 1/2 FIRST AVENUE  
Owner City,St,Zip: NEW YORK, NY 10003  
Federal ID: Not reported  
Owner Tel: (212) 473-6359  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: RON BENCID  
Mailing Name: 204 WEST 108TH STREET ASSOC.  
Mailing Address: C/O MERLON MGT.  
Mailing Address 2: 49 1/2 FIRST AVENUE  
Mailing City,St,Zip: NEW YORK, NY 10003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**204 WEST 108TH STREET ASSOC. (Continued)**

**U003397136**

Mailing Telephone: (212) 473-6359  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 03/26/1998  
Expiration: 03/26/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: Not reported  
Overfill Protection: 1  
Dispenser Method: Not reported  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E35**  
**ESE**  
**< 1/8**  
**0.038 mi.**  
**201 ft.**

**981 COLUMBUS AVE**  
**NEW YORK, NY 10025**

**Site 3 of 9 in cluster E**

**EDR US Hist Cleaners**    **1015109557**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: MCMB CLEANERS INC  
Year: 2002  
Address: 981 COLUMBUS AVE

**Actual:**  
**81 ft.**

Name: MCMB CLEANERS  
Year: 2010  
Address: 981 COLUMBUS AVE

Name: SIN CLEANERS INC  
Year: 2011  
Address: 981 COLUMBUS AVE

Name: SLN CLEANERS INCORPORATED  
Year: 2012  
Address: 981 COLUMBUS AVE

**C36**  
**NNW**  
**< 1/8**  
**0.038 mi.**  
**203 ft.**

**WEST 110 SUBSTATION**  
**110 STREET**  
**MANHATTAN, NY**

**Site 5 of 22 in cluster C**

**NY Spills**    **S106720264**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0408583  
Facility Type: ER  
DER Facility ID: 268582  
Site ID: 333354  
DEC Region: 2  
Spill Date: 11/4/2004  
Spill Number/Closed Date: 0408583 / 5/19/2005  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**103 ft.**

SWIS: 3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 11/4/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/4/2004  
Spill Record Last Update: 5/19/2005  
Spiller Name: ERT DESK  
Spiller Company: WEST 110 SUBSTATION  
Spiller Address: 110 STREET  
Spiller City,St,Zip: MANHATTEN, NY

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST 110 SUBSTATION (Continued)**

**S106720264**

Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: 156111On 11/4 @ 09:50 Rivera # 10395 reported to me that at 09:35 while at the W110 st Substation he noticed that a capiacitor can blew up in the capacitor bank and approx 5 gallons of insulating fluid spilled on the concrete floor. The source of the spill was the Capacitor bank and the cause was a ruptured containing can. No sewer/waterway affected. The insulating fluid is a non-PCB substance., Environemntal tag # 000708 was hung. No samples will be taken. Pads and balonies were used to contain end soak up the spill area.1/10/05On Nov 4, the capacitor was taken out of service. the spill was cleaned up using pads and simple green. The damaged cans were replaced with new ones.  
 Remarks: 5 GALLONS OF ISOLATING FLUID: NO TO 5 QUESTIONS: CONED # 156111  
 Material:  
 Tank Test:

**D37  
 NNW  
 < 1/8  
 0.039 mi.  
 204 ft.**

**201 WEST 109 STREET ASSOC. LLC  
 201 W 109 ST.  
 NEW YORK, NY 10025  
 Site 17 of 34 in cluster D**

**NY AST A100319042  
 N/A**

**Relative:  
 Higher  
 Actual:  
 104 ft.**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-322067  
 Program Type: PBS  
 UTM X: 589111  
 UTM Y: 4496713  
 Expiration Date: 02/03/2018  
 Site Type: Apartment Building/Office Building

Affiliation Records:  
 Site Id: 14994  
 Affiliation Type: Facility Owner  
 Company Name: 201 W 109 ST. ASSOC. LLC  
 Contact Type: MANAGER  
 Contact Name: MICHAEL ROSENBLATT  
 Address1: 1426 EAST 28TH STREET  
 Address2: Not reported  
 City: BROOKLYN  
 State: NY  
 Zip Code: 11210  
 Country Code: 001  
 Phone: (718) 252-2670  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: dxliving  
 Date Last Modified: 12/19/2007

Site Id: 14994  
 Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 109 STREET ASSOC. LLC (Continued)**

**A100319042**

Company Name: 201 W 109 ST. ASSOC. LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: C/O MICHAEL ROSENBLATT  
Address2: 1426 EAST 28TH STREET  
City: BROOKLYN  
State: NY  
Zip Code: 11210  
Country Code: 001  
Phone: (718) 252-2670  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 12/19/2007

Site Id: 14994  
Affiliation Type: On-Site Operator  
Company Name: 201 WEST 109 STREET.OWNER APTS. ASS. LLC  
Contact Type: Not reported  
Contact Name: MICHAEL ROSENBLATT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 252-2670  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14994  
Affiliation Type: Emergency Contact  
Company Name: MICHAEL ROSENBLATT  
Contact Type: Not reported  
Contact Name: MICHAEL ROSENBLATT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 252-2670  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 19873  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

201 WEST 109 STREET ASSOC. LLC (Continued)

A100319042

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1960  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 01/30/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

D38  
NNW  
< 1/8  
0.041 mi.  
218 ft.

203-09 WEST 109TH ST  
203 WEST 109TH STREET  
NEW YORK, NY 10025

NY AST U004045162  
N/A

Site 18 of 34 in cluster D

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-272310  
Program Type: PBS  
UTM X: 587390.30935  
UTM Y: 4517357.913999999  
Expiration Date: 06/18/2002  
Site Type: Apartment Building/Office Building

Actual:  
104 ft.

Affiliation Records:

Site Id: 11533  
Affiliation Type: Facility Owner  
Company Name: 203-09 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 341 EAST 149TH STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10451  
Country Code: 001  
Phone: (212) 993-9060

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**203-09 WEST 109TH ST (Continued)**

**U004045162**

EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11533  
Affiliation Type: Mail Contact  
Company Name: 203-09 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: SUPER FACILITY MANAGER  
Address1: 203-09 WEST 109TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (718) 993-9060  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11533  
Affiliation Type: On-Site Operator  
Company Name: 203-09 WEST 109TH ST  
Contact Type: Not reported  
Contact Name: MANUEL SEMOREE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-1734  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11533  
Affiliation Type: Emergency Contact  
Company Name: 203-09 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: ALEX LUGO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 665-0940  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

203-09 WEST 109TH ST (Continued)

U004045162

Tank Info:

Tank Number: 001  
Tank Id: 8836  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: cgfreedm  
Last Modified: 05/24/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

D39  
NW  
< 1/8  
0.042 mi.  
220 ft.

TINA CLEANERS INC.  
984 AMSTERDAM AVE  
NEW YORK, NY 10025  
Site 19 of 34 in cluster D

NY DRYCLEANERS S110248130  
N/A

Relative:  
Higher

DRYCLEANERS:  
Facility ID: ---  
Phone Number: Not reported  
Region: 2  
Registration Effective Date: N/A  
Inspection Date: Not reported  
Install Date: Not reported  
Drop Shop: Not reported  
Shutdown: Y  
Alternate Solvent: Not reported  
Current Business: NOT A DRY CLEANER

Actual:  
105 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D40  
NW  
< 1/8  
0.042 mi.  
220 ft.

**PROYOUNGSUN CLEANERS INC**  
**982 AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**  
**FINDS**  
**NY MANIFEST**

**1000441929**  
**NYD980789630**

**Site 20 of 34 in cluster D**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007

Facility name: PROYOUNGSUN CLEANERS INC

Facility address: 982 AMSTERDAM AVE  
NEW YORK, NY 100252201

EPA ID: NYD980789630

Mailing address: AMSTERDAM AVE  
MEW YORK, NY 10025

Contact: Not reported

Contact address: AMSTERDAM AVE  
MEW YORK, NY 10025

Contact country: US

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**105 ft.**

**Owner/Operator Summary:**

Owner/operator name: Not reported  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999

Owner/operator country: US  
Owner/operator telephone: (212) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: Not reported  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999

Owner/operator country: US  
Owner/operator telephone: (212) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: PROYOUNGSUN CLEANERS INC  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: PROYOUNGSUN CLEANERS INC  
Classification: Not a generator, verified

Date form received by agency: 02/20/1985  
Site name: PROYOUNGSUN CLEANERS INC  
Classification: Large Quantity Generator

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004393683

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYD980789630

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Country: USA  
Location Address 1: 982 AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: RODAV CLEANERS  
Contact: RODAV CLEANERS  
Address: 982 AMSTERDAM AVE  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-669-8199

Manifest:

Document ID: NJA0907732  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 06/13/1990  
Trans1 Recv Date: 06/13/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/13/1990  
Part A Recv Date: 07/30/1990  
Part B Recv Date: 06/20/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0514436  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/31/1988  
Trans1 Recv Date: 10/31/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/31/1988  
Part A Recv Date: 11/02/1988  
Part B Recv Date: 11/18/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0434988  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 07/12/1988  
Trans1 Recv Date: 07/12/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/12/1988  
Part A Recv Date: 07/19/1988  
Part B Recv Date: 07/20/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0503550  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 08/18/1988  
Trans1 Recv Date: 08/18/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 08/18/1988  
Part A Recv Date: 08/24/1988  
Part B Recv Date: 08/31/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Document ID: NJA0433923  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/17/1988  
Trans1 Recv Date: 05/17/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/17/1988  
Part A Recv Date: 05/25/1988  
Part B Recv Date: 05/26/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA1089616  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/02/1990  
Trans1 Recv Date: 10/02/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/02/1990  
Part A Recv Date: 10/25/1990  
Part B Recv Date: 11/05/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0512991  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 11/30/1988  
Trans1 Recv Date: 11/30/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/30/1988  
Part A Recv Date: 12/06/1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Part B Recv Date: 12/12/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0511851  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 12/30/1988  
Trans1 Recv Date: 12/30/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/30/1988  
Part A Recv Date: 01/05/1989  
Part B Recv Date: 01/10/1989  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0506213  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/04/1988  
Trans1 Recv Date: 10/04/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/04/1988  
Part A Recv Date: 10/11/1988  
Part B Recv Date: 10/25/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0501387  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 09/09/1988  
Trans1 Recv Date: 09/09/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/09/1988  
Part A Recv Date: 09/12/1988  
Part B Recv Date: 09/20/1988  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA0711570  
Manifest Status: Completed copy  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 09/05/1989  
Trans1 Recv Date: 09/05/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/05/1989  
Part A Recv Date: 09/08/1989  
Part B Recv Date: 09/11/1989  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00935  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0817208  
Manifest Status: Completed after the designated time period for a TSD ID to get a copy to the DEC  
Trans1 State ID: 000000000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Trans2 State ID: 000000000  
Generator Ship Date: 04/23/1990  
Trans1 Recv Date: 04/23/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/23/1990  
Part A Recv Date: 05/30/1990  
Part B Recv Date: 05/03/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA9627665  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 07/13/1989  
Trans1 Recv Date: 07/13/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/13/1989  
Part A Recv Date: 07/19/1989  
Part B Recv Date: 07/20/1989  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0509867  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 01/24/1989  
Trans1 Recv Date: 01/24/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/24/1989  
Part A Recv Date: 01/30/1989  
Part B Recv Date: 02/02/1989  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0906214  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 09/06/1990  
Trans1 Recv Date: 09/06/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/06/1990  
Part A Recv Date: 09/18/1990  
Part B Recv Date: 09/17/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0636254  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 06/14/1989  
Trans1 Recv Date: 06/14/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/14/1989  
Part A Recv Date: 06/23/1989  
Part B Recv Date: 06/22/1989  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Year: 1989

Document ID: NJA0182889  
Manifest Status: Completed copy  
Trans1 State ID: NJSWAS284  
Trans2 State ID: Not reported  
Generator Ship Date: 03/07/1986  
Trans1 Recv Date: 03/07/1986  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/07/1986  
Part A Recv Date: 03/11/1986  
Part B Recv Date: 03/17/1986  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: NJD002200046  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1986

Document ID: NJA0720293  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 12/27/1989  
Trans1 Recv Date: 12/27/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/27/1989  
Part A Recv Date: 01/04/1990  
Part B Recv Date: 01/02/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0928435  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 07/12/1990  
Trans1 Recv Date: 07/12/1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROYOUNGSUN CLEANERS INC (Continued)**

**1000441929**

Trans2 Recv Date: / /  
TSD Site Recv Date: 07/12/1990  
Part A Recv Date: 08/14/1990  
Part B Recv Date: 07/30/1990  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0244367  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 12/05/1986  
Trans1 Recv Date: 12/05/1986  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/05/1986  
Part A Recv Date: 12/16/1986  
Part B Recv Date: 01/07/1987  
Generator EPA ID: NYD980789630  
Trans1 EPA ID: NJD000768093  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1986

**B41**  
**East**  
**< 1/8**  
**0.042 mi.**  
**222 ft.**

**CON EDISON - MANHOLE 18098**  
**W 109 ST & COLUMBUS AVE**  
**NEW YORK, NY 10025**  
**Site 5 of 12 in cluster B**

**RCRA-LQG** **1014396853**  
**NY MANIFEST** **NYP004191698**  
**NJ MANIFEST**

**Relative:**  
**Lower**

RCRA-LQG:  
Date form received by agency: 03/23/2010  
Facility name: CON EDISON - MANHOLE 18098  
Facility address: W 109 ST & COLUMBUS AVE  
NEW YORK, NY 10025  
EPA ID: NYP004191698  
Mailing address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Contact: FRANKLYN MURRAY  
Contact address: Not reported  
Not reported

**Actual:**  
**74 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396853**

Contact country: Not reported  
Contact telephone: (212) 460-2808  
Contact email: MURRAYFR@CONED.COM  
EPA Region: 02  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/21/2009  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 08/21/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396853**

. Waste code: D008  
. Waste name: LEAD

Historical Generators:

Date form received by agency: 08/21/2009  
Site name: CON EDISON  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004191698  
Country: USA  
Location Address 1: W 109 ST & COLUMBUS AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PL RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/21/2009  
Trans1 Recv Date: 08/21/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/21/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004191698  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 4000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001084146GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396853**

Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**NJ MANIFEST:**

EPA Id: NYP004191698  
Mail Address: 4 IRVING PLACE  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: FRANKLYN MURRAY  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

**Manifest:**

Manifest Number: 001084146GBF  
EPA ID: NYP004191698  
Date Shipped: 08/21/2009  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/21/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSD Received Waste: 08/21/2009  
TSD EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396853**

Waste Type Code 3: Not reported  
 Waste Type Code 4: Not reported  
 Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: Not reported  
 Was Load Rejected: NEW YORK, NY 10003  
 Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2009 New Jersey Manifest Data  
 Waste Code: D008  
 Hand Code: H111  
 Quantity: 4000 P

**B42**  
**East**  
**< 1/8**  
**0.042 mi.**  
**222 ft.**

**WEST 109TH ST & COLUMBUS**  
**W.109TH ST & COLUMBUS AVE**  
**NEW YORK, NY**

**NY Spills S103936035**  
**N/A**

**Site 6 of 12 in cluster B**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 9900327  
 Facility Type: ER  
 DER Facility ID: 104448  
 Site ID: 120277  
 DEC Region: 2  
 Spill Date: 4/8/1999  
 Spill Number/Closed Date: 9900327 / 1/28/2004  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**74 ft.**

SWIS:

Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 4/9/1999  
 CID: 216  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/9/1999  
 Spill Record Last Update: 1/28/2004  
 Spiller Name: ABOVE  
 Spiller Company: CON EDISON  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: NEW YORK, NY 10003  
 Spiller Company: 001  
 Contact Name: MIKE CESARE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 109TH ST & COLUMBUS (Continued)

S103936035

Contact Phone: (212) 580-6763  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"DEC INSPECTOR NOTESTomasello responded- Car on top of Transformer vault caught fire, gas tank exploded- caught tree on fire. Fir extinguished by 2am No PCb counts a sof 6am.Keith Williams- DEP rep.-----E2MIS NO. 124122:Transformer fire reported by NYFD. vault #9577 Feeder 17M92 open auto. Found the transformer tank ruptured with approx. 150 gals of spilled oil. Found sump pump running with a sewer connection causing the oil to enter the sewer system. Have Chemist in transit to location to take air & oil samples. Pump is disconnected at this time. Adjacent vault may be contaminated unable to verify at this time. Found two automobiles on fire on arrival.4-09-99 V9577 hung sign #21892, also have two adjacent structurescontaminated, vault 9381, hung sign #21893 and bus compartment 21866 hung sign #21866 unplugged sump pump in Vault #93813-09-99 Double washed sidewalk, street curb and fence adjacent to vault with oil Free degreaser and Silx as per D. Romano. Time of cleanup 0245-0510 hrs.lab Seq # 99-03648PCB 37 ppmAroclor 1260Upon further investigation found no visible traces of oil in the sump pump piping. Piping disconnected and found no visible trace of oil. V 9381 has an existing minder installed.4-09-99 13:30 I & A crew completed partial cleanup in V9577, V9381 and associated bus compartment. All debris removed from structure by Vactor. 4-10-99 completed cleanup of V9577,V9381, and bus compartment all debris removed by vactor truck, Bio-Gen cleaning solution used. Job complete.

Remarks: UNDER GROUND FIRE IN A TRANSFORMER VAULT UNKNOWN AMOUNT OF SPILLAGE AT THIS TIME \*\*\*update\*\*\* - 150gals has leaked - sump pump pumped oil into sewer system - will be doing clean up and replacing transformer

Material:  
 Site ID: 120277  
 Operable Unit ID: 1079095  
 Operable Unit: 01  
 Material ID: 307466  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

B43  
East  
< 1/8  
0.042 mi.  
222 ft.

CON EDISON - MANHOLE 18098  
W 109 ST AND COLUMBUS AVE  
NEW YORK, NY 10025  
Site 7 of 12 in cluster B

RCRA-LQG 1014396404  
NY MANIFEST NYP004186680  
NJ MANIFEST

Relative:  
Lower

RCRA-LQG:  
 Date form received by agency:03/23/2010  
 Facility name: CON EDISON - MANHOLE 18098  
 Facility address: W 109 ST AND COLUMBUS AVE  
 NEW YORK, NY 10025

Actual:  
74 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396404**

EPA ID: NYP004186680  
Mailing address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Contact: FRANKLYN MURRAY  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-2808  
Contact email: MURRAYFR@CONED.COM  
EPA Region: 02  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/27/2009  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/27/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396404**

User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Historical Generators:

Date form received by agency: 07/27/2009  
Site name: CON EDISON  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004186680  
Country: USA  
Location Address 1: W 109 ST AND COLUMBUS AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/2009  
Trans1 Recv Date: 07/28/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/28/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004186680  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 5000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396404**

Year: 2009  
Manifest Tracking Num: 001084020GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**NJ MANIFEST:**

EPA Id: NYP004186680  
Mail Address: 4 IRVING PLACE  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: FRANKLYN MURRAY  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSDf Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

**Manifest:**

Manifest Number: 001084020GBF  
EPA ID: NYP004186680  
Date Shipped: 07/28/2009  
TSDf EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/28/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 07/28/2009

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON - MANHOLE 18098 (Continued)**

**1014396404**

TSDF EPA Facility Name: Not reported  
 QTY Units: Not reported  
 Transporter SEQ ID: Not reported  
 Transporter-1 Date: Not reported  
 Waste SEQ ID: Not reported  
 Waste Type Code 2: Not reported  
 Waste Type Code 3: Not reported  
 Waste Type Code 4: Not reported  
 Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: Not reported  
 Was Load Rejected: NEW YORK, NY 10003  
 Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2009 New Jersey Manifest Data  
 Waste Code: D008  
 Hand Code: H111  
 Quantity: 5000 P

**D44**  
**NNW**  
 < 1/8  
 0.043 mi.  
 228 ft.

**204-06 WEST 109TH ST**  
**204-06 WEST 109TH ST**  
**NEW YORK, NY 10025**  
 Site 21 of 34 in cluster D

**NY AST** **U003389664**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-205559  
 Program Type: PBS  
 UTM X: 587345.91686  
 UTM Y: 4517346.5388099998  
 Expiration Date: 05/13/2019  
 Site Type: Apartment Building/Office Building

**Actual:**  
**104 ft.**

Affiliation Records:

Site Id: 7203  
 Affiliation Type: Mail Contact  
 Company Name: BEACON 109, 204-206 LLC  
 Contact Type: Not reported  
 Contact Name: HARRY TAWIL  
 Address1: PO BOX 1524  
 Address2: Not reported  
 City: ENGLEWOOD CLIFFS  
 State: NJ  
 Zip Code: 07632  
 Country Code: 001  
 Phone: (201) 242-4800  
 EMail: HARRYT@ORBACHGROUP.COM  
 Fax Number: Not reported  
 Modified By: DMMOLOUG  
 Date Last Modified: 3/5/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

204-06 WEST 109TH ST (Continued)

U003389664

Site Id: 7203  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 7203  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109, 204-206 LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 7203  
Affiliation Type: Facility Owner  
Company Name: BEACON 109, 204-206 LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: P O BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 0001  
Tank Id: 17151  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**204-06 WEST 109TH ST (Continued)**

**U003389664**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/13/1904  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-205559  
SWIS Code: 6201  
Operator: MANUEL SEMOREE  
Facility Phone: (212) 749-1734  
Facility Addr2: 204 WEST 109TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: ALEX LUGO  
Emergency Tel: (212) 665-0940  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: BARRY LEVITES, RECEIVER  
Owner Address: 341 EAST 149TH ST  
Owner City, St, Zip: BRONX, NY 10451  
Federal ID: Not reported  
Owner Tel: (212) 993-9060  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: WILLING BIDDLE  
Mailing Name: LEVITES REALTY MGMT CORP  
Mailing Address: 341 EAST 149TH ST  
Mailing Address 2: Not reported  
Mailing City, St, Zip: BRONX, NY 10451  
Mailing Telephone: (212) 993-9060  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**204-06 WEST 109TH ST (Continued)**

**U003389664**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
 Certification Date: 07/11/1997  
 Expiration: 07/20/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 3000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**D45**  
**WNW**  
 < 1/8  
**0.044 mi.**  
**233 ft.**

**209 WEST 108TH ST., LLC**  
**209 WEST 108TH STREET**  
**NEW YORK, NY 10025**  
**Site 22 of 34 in cluster D**

**NY AST U003387247**  
**N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-201901  
 Program Type: PBS

**Actual:**  
**108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 WEST 108TH ST., LLC (Continued)**

**U003387247**

UTM X: 587337.81698999996  
UTM Y: 4517294.8994000005  
Expiration Date: 07/09/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 6885  
Affiliation Type: Facility Owner  
Company Name: 209 WEST 108TH ST., LLC  
Contact Type: MEMBER  
Contact Name: J.RUHL  
Address1: P.O. BOX 1847  
Address2: Not reported  
City: PARAMUS  
State: NJ  
Zip Code: 07653  
Country Code: 001  
Phone: (718) 597-0808  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kaker  
Date Last Modified: 5/14/2008

Site Id: 6885  
Affiliation Type: Mail Contact  
Company Name: 209 WEST 108TH ST., LLC  
Contact Type: Not reported  
Contact Name: JONATHAN RUHL  
Address1: P.O. BOX 1847  
Address2: Not reported  
City: PARAMUS  
State: NJ  
Zip Code: 07653  
Country Code: 001  
Phone: (201) 363-1448  
EMail: JONATHAN@RANGERMANGEMENT.COM  
Fax Number: Not reported  
Modified By: kaker  
Date Last Modified: 5/14/2008

Site Id: 6885  
Affiliation Type: On-Site Operator  
Company Name: 209 WEST 108TH ST., LLC  
Contact Type: Not reported  
Contact Name: HAZIM PEROVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 860-4845  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kaker  
Date Last Modified: 5/14/2008

Site Id: 6885

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 WEST 108TH ST., LLC (Continued)**

**U003387247**

Affiliation Type: Emergency Contact  
Company Name: 209 WEST 108TH ST., LLC  
Contact Type: Not reported  
Contact Name: J. RUHL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (201) 363-1448  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 5/14/2008

Tank Info:

Tank Number: 001  
Tank Id: 11502  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/01/1953  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 05/20/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**D46** 203-219 W 109TH ST  
**NNW** 205 WEST 109TH ST  
**< 1/8** NEW YORK, NY 10025  
**0.044 mi.**  
**233 ft.** **Site 23 of 34 in cluster D**

**NY AST** **U003390774**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**104 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-323276  
Program Type: PBS  
UTM X: 587385.63959000004  
UTM Y: 4517360.4123099996  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 15098  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 203-205, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 15098  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 15098  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 203-205, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**203-219 W 109TH ST (Continued)**

**U003390774**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 15098  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 203-205, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 20029  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
F00 - Pipe External Protection - None  
K01 - Spill Prevention - Catch Basin  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1999  
Capacity Gallons: 2800  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**203-219 W 109TH ST (Continued)**

**U003390774**

Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-323276  
SWIS Code: 6201  
Operator: JUNIOR RODRIGUEZ  
Facility Phone: (212) 961-0606  
Facility Addr2: 205 WEST 109TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: ALEXIA TEJADA  
Emergency Tel: (212) 665-0940  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: BARRY LEVITES, RECIEVER  
Owner Address: 341 EAST 149TH STREET  
Owner City,St,Zip: BRONX, NY 10451  
Federal ID: Not reported  
Owner Tel: (212) 993-9060  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: ALEXIA TEJADA  
Mailing Name: LEVITES REALTY MANAGEMENT CORP  
Mailing Address: 341 EAST 149TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BRONX, NY 10451  
Mailing Telephone: (212) 665-0940  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/07/1997  
Expiration: 08/28/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2800  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2800

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

203-219 W 109TH ST (Continued)

U003390774

Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

D47  
West  
< 1/8  
0.047 mi.  
248 ft.

964 AMSTERDAM AVE  
964 AMSTERDAM AVENUE  
NEW YORK, NY 10025  
Site 24 of 34 in cluster D

NY AST A100292902  
N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-607981  
Program Type: PBS  
UTM X: 587296.31542999996  
UTM Y: 4517220.37084  
Expiration Date: 02/17/2017  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:

Site Id: 29833  
Affiliation Type: Mail Contact  
Company Name: 964 AMSTERDAM NYC LLC  
Contact Type: Not reported  
Contact Name: YANIR  
Address1: P.O. BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (862) 881-6920  
EMail: YANIR@LHAPTS.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/18/2014

Site Id: 29833

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**964 AMSTERDAM AVE (Continued)**

**A100292902**

Affiliation Type: On-Site Operator  
Company Name: 964 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: IBRAHIM ZIQIRI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 345-6286  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 1/9/2014

Site Id: 29833  
Affiliation Type: Emergency Contact  
Company Name: 964 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: PETER GARCIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 709-9850  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 1/9/2014

Site Id: 29833  
Affiliation Type: Facility Owner  
Company Name: 964 AMSTERDAM NYC LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (973) 622-0073  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/13/2015

Tank Info:

Tank Number: 1  
Tank Id: 64062  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

964 AMSTERDAM AVE (Continued)

A100292902

Equipment Records:

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
3  
Tank Location: Steel/Carbon Steel/Iron  
Tank Type: Closed - Removed  
Tank Status: Not reported  
Pipe Model: 05/03/1960  
Install Date: 2500  
Capacity Gallons: NN  
Tightness Test Method: Not reported  
Date Test: Not reported  
Next Test Date: 11/17/2014  
Date Tank Closed: True  
Register: NRLOMBAR  
Modified By: 12/18/2014  
Last Modified: #2 Fuel Oil (On-Site Consumption)  
Material Name:

D48  
West  
< 1/8  
0.048 mi.  
254 ft.

LOT 3,TAXBLOCK 1862  
965 AMSTERDAM AVENUE  
MANHATTAN, NY

NY E DESIGNATION S108983976  
N/A

Site 25 of 34 in cluster D

Relative:  
Higher

E DESIGNATION:  
Tax Lot(s): 3  
Tax Block: 1862  
Borough Code: Not reported  
E-No: E-182  
Effective Date: 9/25/2007  
Satisfaction Date: Not reported  
Ceqr Number: 07DCP060M  
Ulurp Number: 070427ZMM  
Zoning Map No: 5d

Actual:  
107 ft.

Description: Exhaust stack location limitations  
Lot Remediation Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D49  
West  
< 1/8  
0.048 mi.  
254 ft.

965 AMSTERDAM AVENUE  
965 AMSTERDAM AVENUE  
NEW YORK, NY 10024  
  
Site 26 of 34 in cluster D

NY AST U003128891  
NY HIST AST N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-155837  
Program Type: PBS  
UTM X: 587338.68458999996  
UTM Y: 4517221.4131100001  
Expiration Date: 02/17/2017  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:

Site Id: 5070  
Affiliation Type: Mail Contact  
Company Name: 965 AMSTERDAM HOLDINGS, LLC  
Contact Type: AGENT  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADES AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRY@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 5070  
Affiliation Type: On-Site Operator  
Company Name: 965 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: DAISY LOPEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 995-6683  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 5070  
Affiliation Type: Emergency Contact  
Company Name: 965 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**965 AMSTERDAM AVENUE (Continued)**

**U003128891**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 5070  
Affiliation Type: Facility Owner  
Company Name: 965 AMSTERDAM HOLDINGS, LLC  
Contact Type: AGENT  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADES AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRY@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Tank Info:

Tank Number: 001  
Tank Id: 8464  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/18/1905  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**965 AMSTERDAM AVENUE (Continued)**

**U003128891**

Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/06/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-155837  
SWIS Code: 6201  
Operator: PEDRO MENA  
Facility Phone: (212) 932-9634  
Facility Addr2: Not reported  
Facility Type: PRIVATE RESIDENCE  
Emergency: ROMAN DAVID TROJANOWSKI  
Emergency Tel: (212) 944-5240  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SYLVAN R. NOVICK, ESQ.  
Owner Address: REGAL MANAGEMENT, 1501 BROADWAY  
Owner City,St,Zip: NEW YORK, NY 10036  
Federal ID: Not reported  
Owner Tel: (212) 944-5240  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: ROMON -DAVID TROJANOWSKI  
Mailing Name: REGAL MANAGEMENT  
Mailing Address: 1501 BROADWAY  
Mailing Address 2: ROOM 407  
Mailing City,St,Zip: NEW YORK, NY 10036  
Mailing Telephone: (212) 944-5240  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 01/24/1995  
Expiration: 10/15/1997  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**965 AMSTERDAM AVENUE (Continued)**

**U003128891**

Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**B50**  
**East**  
**< 1/8**  
**0.049 mi.**  
**259 ft.**

**1021 COLUMBUS AVE**  
**NEW YORK, NY 10025**  
**Site 8 of 12 in cluster B**

**EDR US Hist Auto Stat 1015130881**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
Name: AUTOMOTIVE CENTEREMERGENCY  
Year: 2010  
Address: 1021 COLUMBUS AVE

**Actual:**  
**73 ft.**

**F51**  
**NNW**  
**< 1/8**  
**0.050 mi.**  
**263 ft.**

**BEACON 109 207-209 LLC**  
**209 WEST 109TH STREET**  
**NEW YORK, NY 10025**  
**Site 1 of 26 in cluster F**

**NY AST U004045163**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-273481  
Program Type: PBS  
UTM X: 587376.38442000002  
UTM Y: 4517365.4099399997  
Expiration Date: 03/23/2015  
Site Type: Apartment Building/Office Building

**Actual:**  
**105 ft.**

Affiliation Records:  
Site Id: 11638  
Affiliation Type: Mail Contact  
Company Name: HI-TECH HEATING CORPORATION  
Contact Type: Not reported  
Contact Name: CARMEN BARBARIA  
Address1: 159-22 102ND STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON 109 207-209 LLC (Continued)**

**U004045163**

Address2: Not reported  
City: HOWARD BEACH  
State: NY  
Zip Code: 11414  
Country Code: 001  
Phone: (718) 323-5430  
EMail: HEATINGPROS01@AOL.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/12/2013

Site Id: 11638  
Affiliation Type: On-Site Operator  
Company Name: BEACON 109 207-209 LLC  
Contact Type: Not reported  
Contact Name: NICK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6585  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/23/2010

Site Id: 11638  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 207, 209 LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/23/2010

Site Id: 11638  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 207, 209 LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: P.O. BOX 1527  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BEACON 109 207-209 LLC (Continued)**

**U004045163**

E-Mail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/23/2010

Tank Info:

Tank Number: 001  
Tank Id: 8971  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
E02 - Piping Secondary Containment - Vault (with Access)  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/13/1904  
Capacity Gallons: 1000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 03/23/2010  
Material Name: #2 Fuel Oil (On-Site Consumption)

**E52**  
**SE**  
**< 1/8**  
**0.051 mi.**  
**267 ft.**

**971 COLUMBUS AVE**  
**NEW YORK, NY 10025**

**Site 4 of 9 in cluster E**

**EDR US Hist Cleaners 1015109166**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: 9 7 1 COLUMBUS LAUNDROMAT INCORPORATED  
Year: 1999  
Address: 971 COLUMBUS AVE

**Actual:**  
**80 ft.**

Name: 9 7 1 COLUMBUS LAUNDROMAT INCORPORATED  
Year: 2000  
Address: 971 COLUMBUS AVE

Name: 9 7 1 COLUMBUS LAUNDROMAT INC  
Year: 2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015109166

Address: 971 COLUMBUS AVE  
Name: 971 COLUMBUS LAUNDROMAT INC  
Year: 2002  
Address: 971 COLUMBUS AVE  
Name: 971 COLUMBUS LAUNDROMAT INC  
Year: 2003  
Address: 971 COLUMBUS AVE  
Name: 971 COLUMBUS LAUNDROMAT INC  
Year: 2004  
Address: 971 COLUMBUS AVE  
Name: KC LAUNDROMAT CORP  
Year: 2004  
Address: 971 COLUMBUS AVE  
Name: LALO C & K LAUNDROMAT CORP  
Year: 2005  
Address: 971 COLUMBUS AVE  
Name: 9 7 1 COLUMBUS LAUNDROMAT INC  
Year: 2005  
Address: 971 COLUMBUS AVE  
Name: C & K LAUNDROMAT  
Year: 2010  
Address: 971 COLUMBUS AVE  
Name: C & K LAUNDROMAT  
Year: 2011  
Address: 971 COLUMBUS AVE  
Name: C & K LAUNDROMAT  
Year: 2012  
Address: 971 COLUMBUS AVE

G53  
SSE  
< 1/8  
0.051 mi.  
269 ft.

**PADDED WAGON MOVERS**  
120 W 107TH ST  
NEW YORK, NY 10025  
Site 1 of 6 in cluster G

RCRA NonGen / NLR 1000185820  
FINDS NYD044707305  
NY MANIFEST

Relative:  
Higher

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: PADDED WAGON MOVERS  
Facility address: 120 W 107TH ST  
NEW YORK, NY 10025  
EPA ID: NYD044707305  
Mailing address: W 107TH ST  
NEW YORK, NY 10025  
Contact: Not reported  
Contact address: W 107TH ST  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported

Actual:  
94 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES CAFFREY  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: JAMES CAFFREY  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: PADDED WAGON MOVERS  
Classification: Not a generator, verified

Date form received by agency: 07/14/1999  
Site name: PADDED WAGON MOVERS  
Classification: Small Quantity Generator

Date form received by agency: 05/21/1986  
Site name: PADDED WAGON MOVERS  
Classification: Large Quantity Generator

. Waste code: D000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

- . Waste name: Not Defined
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110004355616

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYD044707305  
Country: USA  
Location Address 1: 120 107TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: NEW YORKER WAREHOUSE  
Contact: NEW YORKER WAREHOUSE  
Address: 120 107TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-222-4880

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Manifest:

Document ID: NJA2522138  
Manifest Status: Completed copy  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 07/26/1996  
Trans1 Recv Date: 07/26/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/26/1996  
Part A Recv Date: 08/13/1996  
Part B Recv Date: 08/13/1996  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00029  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA0329542  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS-89  
Trans2 State ID: Not reported  
Generator Ship Date: 06/25/1987  
Trans1 Recv Date: 06/25/1987  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/25/1987  
Part A Recv Date: 07/24/1987  
Part B Recv Date: 07/09/1987  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD000805911  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00160  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1987

Document ID: NJA2544874  
Manifest Status: Completed copy  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 03/22/1996  
Trans1 Recv Date: 03/22/1996  
Trans2 Recv Date: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

TSD Site Recv Date: 03/22/1996  
Part A Recv Date: 04/02/1996  
Part B Recv Date: 04/04/1996  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00023  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA2673103  
Manifest Status: Completed copy  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 12/27/1996  
Trans1 Recv Date: 12/27/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/27/1996  
Part A Recv Date: 01/27/1997  
Part B Recv Date: 01/15/1997  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA1654294  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/20/1993  
Trans1 Recv Date: 05/20/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/20/1993  
Part A Recv Date: 06/03/1993  
Part B Recv Date: 06/15/1993  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00030

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1739718  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/22/1993  
Trans1 Recv Date: 10/22/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/22/1993  
Part A Recv Date: 11/16/1993  
Part B Recv Date: 11/24/1993  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00019  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1546598  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 01/12/1993  
Trans1 Recv Date: 01/12/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/12/1993  
Part A Recv Date: 01/21/1993  
Part B Recv Date: 01/27/1993  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA0442697

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 08/22/1988  
Trans1 Recv Date: 08/22/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 08/22/1988  
Part A Recv Date: 09/29/1988  
Part B Recv Date: 08/31/1988  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00160  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NJA2099672  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 09/08/1995  
Trans1 Recv Date: 09/08/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/08/1995  
Part A Recv Date: 09/20/1995  
Part B Recv Date: 09/25/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00023  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA1807121  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 12/07/1993  
Trans1 Recv Date: 12/07/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/07/1993  
Part A Recv Date: 12/16/1993  
Part B Recv Date: 12/20/1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00036  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA2259037  
Manifest Status: Completed copy  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 12/04/1995  
Trans1 Recv Date: 12/04/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/04/1995  
Part A Recv Date: 12/18/1995  
Part B Recv Date: 12/18/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00032  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA2176083  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/26/1995  
Trans1 Recv Date: 04/26/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/26/1995  
Part A Recv Date: 05/12/1995  
Part B Recv Date: 05/05/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00025  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA2090151  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 06/20/1995  
Trans1 Recv Date: 06/20/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/20/1995  
Part A Recv Date: 07/06/1995  
Part B Recv Date: 06/29/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA1417831  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 07/23/1992  
Trans1 Recv Date: 07/23/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/23/1992  
Part A Recv Date: / /  
Part B Recv Date: 08/05/1992  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00172  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA1370193  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Generator Ship Date: 03/30/1992  
Trans1 Recv Date: 03/30/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/30/1992  
Part A Recv Date: 04/13/1992  
Part B Recv Date: 04/09/1992  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00172  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA2061126  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 03/10/1995  
Trans1 Recv Date: 03/10/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/10/1995  
Part A Recv Date: 03/24/1995  
Part B Recv Date: 03/28/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00031  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA2241773  
Manifest Status: Completed copy  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 10/10/1995  
Trans1 Recv Date: 10/10/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/10/1995  
Part A Recv Date: 10/23/1995  
Part B Recv Date: 10/24/1995  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00035  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA1361920  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 09/15/1992  
Trans1 Recv Date: 09/15/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/15/1992  
Part A Recv Date: / /  
Part B Recv Date: 09/28/1992  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00172  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA1343904  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 02/04/1992  
Trans1 Recv Date: 02/04/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/04/1992  
Part A Recv Date: 02/12/1992  
Part B Recv Date: 02/20/1992  
Generator EPA ID: NYD044707305  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00172  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1992

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PADDED WAGON MOVERS (Continued)**

**1000185820**

Document ID: NJA1355646  
 Manifest Status: Completed copy  
 Trans1 State ID: NJDEPS869  
 Trans2 State ID: Not reported  
 Generator Ship Date: 11/12/1992  
 Trans1 Recv Date: 11/12/1992  
 Trans2 Recv Date: / /  
 TSD Site Recv Date: 11/12/1992  
 Part A Recv Date: 11/27/1992  
 Part B Recv Date: 12/03/1992  
 Generator EPA ID: NYD044707305  
 Trans1 EPA ID: ILD051060408  
 Trans2 EPA ID: Not reported  
 TSD ID: NJD000768093  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 00172  
 Units: P - Pounds  
 Number of Containers: 002  
 Container Type: DM - Metal drums, barrels  
 Handling Method: R Material recovery of more than 75 percent of the total material.  
 Specific Gravity: 100  
 Year: 1992

**H54**  
**SW**  
**< 1/8**  
**0.051 mi.**  
**269 ft.**

**ELTA APARTMENTS INC**  
**166 W 107TH ST**  
**NY, NY 10025**  
**Site 1 of 2 in cluster H**

**NY AST U003389698**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-237337  
 Program Type: PBS  
 UTM X: 587402.73471999995  
 UTM Y: 4517156.0008500004  
 Expiration Date: 07/20/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**101 ft.**

Affiliation Records:

Site Id: 8840  
 Affiliation Type: Facility Owner  
 Company Name: ELTA APARTMENTS INC  
 Contact Type: MANAGER  
 Contact Name: ELVIO RODRIGUEZ  
 Address1: PO BOX 770861  
 Address2: Not reported  
 City: WOODSIDE  
 State: NY  
 Zip Code: 11377  
 Country Code: 001  
 Phone: (212) 663-5209  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: BVCAMPBE  
 Date Last Modified: 7/15/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELTA APARTMENTS INC (Continued)**

**U003389698**

Site Id: 8840  
Affiliation Type: Mail Contact  
Company Name: ELTA APARTMENTS INC  
Contact Type: MANAGER  
Contact Name: ELVIO RODRIGUEZ  
Address1: PO BOX 770861  
Address2: Not reported  
City: WOODSIDE  
State: NY  
Zip Code: 11377  
Country Code: 001  
Phone: (212) 663-5209  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 7/15/2011

Site Id: 8840  
Affiliation Type: On-Site Operator  
Company Name: ELTA APARTMENTS INC  
Contact Type: Not reported  
Contact Name: ELVIO RODRIGVEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 8840  
Affiliation Type: Emergency Contact  
Company Name: ELTA APARTMENTS INC  
Contact Type: Not reported  
Contact Name: E RODRIGVEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 17266  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELTA APARTMENTS INC (Continued)**

**U003389698**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/15/1975  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 07/15/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-237337  
SWIS Code: 6201  
Operator: ELVIO RODRIGVEZ  
Facility Phone: (718) 478-0798  
Facility Addr2: 166 W 107TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: E RODRIGVEZ  
Emergency Tel: (718) 478-0798  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ELTA APARTMENTS INC  
Owner Address: POB 861  
Owner City,St,Zip: WOODSIDE, NY 11377  
Federal ID: Not reported  
Owner Tel: (718) 478-0798  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: ELTA APARTMENTS INC  
Mailing Address: POB 861  
Mailing Address 2: Not reported  
Mailing City,St,Zip: WOODSIDE, NY 11377  
Mailing Telephone: (212) 663-5209  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELTA APARTMENTS INC (Continued)**

**U003389698**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 07/15/1997  
Expiration: 07/20/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**H55**  
**SW**  
**< 1/8**  
**0.051 mi.**  
**270 ft.**

**ELISEO CARREAR ELVIO RODRIGVEZ**  
**172 W 107 TH ST**  
**NY, NY 10025**  
**Site 2 of 2 in cluster H**

**NY AST** **U003389675**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-236861  
Program Type: PBS

**Actual:**  
**102 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELISEO CARREAR ELVIO RODRIGVEZ (Continued)**

**U003389675**

UTM X: 587388.7250599997  
UTM Y: 4517163.4957800005  
Expiration Date: 06/05/2019  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 8799  
Affiliation Type: Mail Contact  
Company Name: EL & EL REALTY, LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 40-39 69TH ST  
Address2: Not reported  
City: WOODSIDE  
State: NY  
Zip Code: 11377  
Country Code: 001  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/25/2014

Site Id: 8799  
Affiliation Type: On-Site Operator  
Company Name: EL & EL REALTY, LLC  
Contact Type: Not reported  
Contact Name: ELVIO RODRIGUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2013

Site Id: 8799  
Affiliation Type: Emergency Contact  
Company Name: EL & EL REALTY, LLC  
Contact Type: Not reported  
Contact Name: ELVIO RODRIGUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2013

Site Id: 8799

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELISEO CARREAR ELVIO RODRIGVEZ (Continued)**

**U003389675**

Affiliation Type: Facility Owner  
Company Name: EL & EL REALTY, LLC  
Contact Type: CORP  
Contact Name: EL & EL REALTY, LLC  
Address1: 40-39 69TH ST  
Address2: Not reported  
City: WOODSIDE  
State: NY  
Zip Code: 11377  
Country Code: 001  
Phone: (718) 478-0798  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2013

Tank Info:

Tank Number: 001  
Tank Id: 17207  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/07/1970  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 10/29/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-236861  
SWIS Code: 6201  
Operator: ELISEO CARREAR ELVIO RODRIGVEZ  
Facility Phone: (212) 873-7737  
Facility Addr2: 172 W 107 TH ST  
Facility Type: APARTMENT BUILDING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELISEO CARREAR ELVIO RODRIGVEZ (Continued)**

**U003389675**

Emergency: ELISEO CARREAR ELVIO RODRIGVEZ  
Emergency Tel: (212) 873-7737  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ELISEO CARREAR ELVIO RODRIGVEZ  
Owner Address: 215 W 80TH ST  
Owner City,St,Zip: NY, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 873-7737  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: ELISEO CARREAR ELVIO RODRIGVEZ  
Mailing Address: 215 W 80TH ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10024  
Mailing Telephone: (212) 873-7737  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/01/1997  
Expiration: 07/20/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELISEO CARREAR ELVIO RODRIGVEZ (Continued)**

**U003389675**

Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**D56**  
**WNW**  
**< 1/8**  
**0.051 mi.**  
**271 ft.**

**212 WEST 108 STREET**  
**212 WEST 108TH STREET**  
**NEW YORK, NY 10025**  
**Site 27 of 34 in cluster D**

**NY AST** **A100182991**  
**N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-600996  
Program Type: PBS  
UTM X: 587324.05579999997  
UTM Y: 4517288.51963  
Expiration Date: 10/20/2012  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:

Site Id: 22966  
Affiliation Type: Facility Owner  
Company Name: NYC/HPD/DAMP  
Contact Type: ASST. COMM. DAMP  
Contact Name: WILLA H. PADGETT  
Address1: 100 GOLD ST., #7L2  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10035  
Country Code: 001  
Phone: (212) 863-7301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 8/20/2007

Site Id: 22966  
Affiliation Type: Mail Contact  
Company Name: NYC/HPD/DAMP  
Contact Type: Not reported  
Contact Name: ASST. COMMISSIONER/DAMP  
Address1: 100 GOLD STREET  
Address2: #7L2  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-7305  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**212 WEST 108 STREET (Continued)**

**A100182991**

Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 10/9/2007

Site Id: 22966  
Affiliation Type: On-Site Operator  
Company Name: 212 WEST 108 STREET  
Contact Type: Not reported  
Contact Name: ASST. COMM./DAMP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 863-7305  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 10/3/2007

Site Id: 22966  
Affiliation Type: Emergency Contact  
Company Name: NYC/HPD/DAMP  
Contact Type: Not reported  
Contact Name: ASSTS. COMM./DAMP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 863-7305  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 10/3/2007

Tank Info:

Tank Number: 1  
Tank Id: 44694  
Material Code: 0009  
Common Name of Substance: Gasoline

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**212 WEST 108 STREET (Continued)**

**A100182991**

Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1900  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/15/2007  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/09/2013  
Material Name: Gasoline

**C57**  
**NNE**  
**< 1/8**  
**0.052 mi.**  
**272 ft.**

**WEST 110TH ST SUBSTATION**  
**100TH ST SUBSTATION**  
**NEW YORK, NY**

**NY Spills S104790257**  
**N/A**

**Site 6 of 22 in cluster C**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0007881  
Facility Type: ER  
DER Facility ID: 119297  
Site ID: 139636  
DEC Region: 2  
Spill Date: 10/4/2000  
Spill Number/Closed Date: 0007881 / 3/14/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**99 ft.**

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 10/4/2000  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/4/2000  
Spill Record Last Update: 11/16/2006  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 001  
Contact Name: ANTHONY NATALE  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"Con Ed e2mis #133789:10/04/2000 14:00 hrs.Fred Snow #29335, Substation Operator, reported at 13:55 hrs. that he found at 13:50 hrs. approx. 4 ounces of transformer oil had leaked from

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S104790257**

Transformer #4 - Feeder 38M34 onto the concrete pad located at the West 110 Street Substation. The oil is leaking from the bolts or gasket on the tap changer compartment door of Transf. #4 and spilled along the door and dripped onto the concrete pad. Spill tag #S00457 was installed. No samples taken. Previous PCB history is less than 1 ppm as per Lab Sequence #99-09578, dated 9/13/99. Cleanup was initiated at 13:55 hrs. by mechanics from the Transformer Group who were in the station doing other work. On November 16, 2000 station operator Fred Snow verified that the transformer maintenance group attempted to make repairs on October 24, but the transformer is still leaking. Repairs will require an outage. Snow also verified that the initial spill had been cleaned up. The leak has been repaired, final clean-up has been completed. S. Hanebuth 3/14/02 This incident has been closed and submitted to DEC for final approval.  
CLEAN WILL BE DONE AFTER THE 2 HOUR TIME PERIOD REF #133789

Remarks:  
Material:  
Site ID: 139636  
Operable Unit ID: 828530  
Operable Unit: 01  
Material ID: 545404  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C58  
NNE  
< 1/8  
0.052 mi.  
272 ft.

**VAULT # 1  
W 110TH ST SUBSTATION  
MANHATTAN, NY  
Site 7 of 22 in cluster C**

**NY LTANKS S103941523  
N/A**

Relative:  
Higher

Actual:  
99 ft.

LTANKS:  
Site ID: 262511  
Spill Number/Closed Date: 9903585 / 5/18/2000  
Spill Date: 6/29/1999  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 6/29/1999  
CID: 390  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT # 1 (Continued)**

**S103941523**

Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/29/1999  
Spill Record Last Update: 6/6/2000  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller County: 001  
Spiller Contact: STEPHEN ROMERO  
Spiller Phone: (212) 580-6763  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 214316  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"con ed e2mis notes:Appears that the leak intensified.Found transformer leak40 gals on concrete floor.Raymond Lo enrout to location. Transformer capacity is 285 gallons. Historical sample show 10 ppm pcb. Tanker removed 260 gallons of oil from unit. One drum of large items and PPE returned to E 110st yard for disposal.  
Remarks: drum that catches overflow filled up and overflowedcon ed #clean up crews en route

Material:  
Site ID: 262511  
Operable Unit ID: 1082522  
Operable Unit: 01  
Material ID: 303499  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C59  
NNE  
< 1/8  
0.052 mi.  
272 ft.**

**WEST 110 SUBSTATION  
464 WEST 107TH STREET  
MANHATTAN, NY**

**NY Spills S106866782  
N/A**

**Site 8 of 22 in cluster C**

**Relative:  
Higher**

SPILLS:  
Facility ID: 0412434  
Facility Type: ER  
DER Facility ID: 273241  
Site ID: 337903  
DEC Region: 2  
Spill Date: 2/23/2005  
Spill Number/Closed Date: 0412434 / 5/27/2005  
Spill Cause: Equipment Failure

**Actual:  
99 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 SUBSTATION (Continued)**

**S106866782**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 2/23/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/23/2005  
Spill Record Last Update: 5/27/2005  
Spiller Name: ERT DESK  
Spiller Company: WEST 110 SUBSTAION  
Spiller Address: 464 WEST 107TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: #157346. On 2/23/05 at 07:52 F. Snow # 29335 of Substation Operations at the W. 110 St substation called to report that at 07:45 he discovered a spill of dielectric fluid. Hestates that 1/2 gallon of dielectric fluid had leaked out of the can on cap bank # 5. The fluid landed on concrete & is contained in the caged area. He hung a tag # 000300. He will turn this in for repairs. This will not be cleaned within 2 hrs. Cap bank has to be deenergized & grounded up before any work can be done. There were no sewers or waterways affected. No smoke or fire was involved. No injuries were related to the spill. No private property was affected. He states the the fluid in Non PCB \*\*\*\*\* R. Bruns # 21106 \*\*\*\*\*3/1/05On 2/23/05 at 15:38. Sr substation operator F. Snow reported that the unit was de-energized for access. The oil was cleaned up using pads and simplegreen. Thedefective capacitor was replaced. The unit is now repaired and in service.

Remarks: NO TO THE 5 QUESTIONS: CONED # 157346: ASSOCIATED WITH CAP BANK #5:

Material:  
Site ID: 337903  
Operable Unit ID: 1099914  
Operable Unit: 01  
Material ID: 580189  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 110 SUBSTATION (Continued)

S106866782

Tank Test:

C60  
NNE  
< 1/8  
0.052 mi.  
272 ft.

SPILL NUMBER 0102245  
W 110TH ST SUBSTATION  
MANHATTAN, NY

NY Spills S105055844  
N/A

Site 9 of 22 in cluster C

Relative:  
Higher

SPILLS:

Actual:  
99 ft.

Facility ID: 0102245  
Facility Type: ER  
DER Facility ID: 214316  
Site ID: 262510  
DEC Region: 2  
Spill Date: 5/29/2001  
Spill Number/Closed Date: 0102245 / 3/19/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 5/30/2001  
CID: 201  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/30/2001  
Spill Record Last Update: 3/19/2003  
Spiller Name: SAME  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis #137322:oN 5/ 30 at 00:05 Abraham Williams reported to me that @ 23:45 he discovered a leak from a Pothead of Insulatum. He was working at the W. 110 st Substation. He was working on Feeder Pothead position 93 North when one half ounce of insulatum leaked. Williams left an Environmental tag # 00463. The pothead is for future Feeder 17m81. He took no sample and did not attempt any cleanup. He states that #9 is on their way for the correction of the problem.UPDATE 5/30 @ 05:25#9 PETTWAY # 15203 reports that he cleaned up the cabinet and tightened up the fill screws. Job completed 5/30 @ 03:30.Changed the First Reported, Rep to Env. Srv. and Stop date to 2001 from 2201. The material was handled as <50 PPM based on historical information on this material.

Remarks:

1/2 OZ OF INSULATUM CONTAINED. CLEANUP CREW ON THE WAT FOR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0102245 (Continued)**

**S105055844**

CLEANUP.CON ED #137322

Material:

Site ID: 262510  
Operable Unit ID: 841057  
Operable Unit: 01  
Material ID: 534361  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**D61**  
**West**  
**< 1/8**  
**0.052 mi.**  
**277 ft.**

**APARTMENT BLDG.**  
**963 AMSTERDAM AVE.**  
**MANHATTAN, NY**  
**Site 28 of 34 in cluster D**

**NY Spills S109584221**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0400815  
Facility Type: ER  
DER Facility ID: 250641  
Site ID: 310504  
DEC Region: 2  
Spill Date: 4/23/2004  
Spill Number/Closed Date: 0400815 / 4/23/2004  
Spill Cause: Human Error  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**107 ft.**

SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 4/23/2004  
CID: 406  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/23/2004  
Spill Record Last Update: 4/27/2004  
Spiller Name: UNKNOWN NAME  
Spiller Company: DYNASTY CLEANERS  
Spiller Address: 961 AMSTERDAM AVE.  
Spiller City,St,Zip: MANHATTAN, NY 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BLDG. (Continued)**

**S109584221**

Spiller Company: 001  
Contact Name: ANONYMOUS REPORT  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"Unregulated material. No call back number given.4/27/04///tipple updating//Chris the notifier called and stated that the odors are extremely noxious Tipple referred this spill to the Air Unit..Attn: Sam Lieblich,Spill closed t

Remarks: Dry Cleaners on the bottom floor is releasing dry cleaning chemicals into the air via a pipe on the ground floor. Caller believes that a pipe should go along the building up to the top so other tenants don't have to breath these chemicals either. Not sure what the chemicals are and is unsure of who to talk to about it.

Material:  
Site ID: 310504  
Operable Unit ID: 884993  
Operable Unit: 01  
Material ID: 492053  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**D62**  
**West**  
**< 1/8**  
**0.052 mi.**  
**277 ft.**

**963 AMSTERDAM AVE**  
**963 AMSTERDAM AVE**  
**NEW YORK, NY 10025**  
**Site 29 of 34 in cluster D**

**NY AST** **A100194270**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607257  
Program Type: PBS  
UTM X: 587301.07111999998  
UTM Y: 4517203.4403400002  
Expiration Date: 12/17/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**107 ft.**

Affiliation Records:  
Site Id: 29110  
Affiliation Type: Facility Owner  
Company Name: FRANK IERIDES  
Contact Type: ENGR  
Contact Name: HUGH CHRYSLER  
Address1: 3404 TIBBETT AVE  
Address2: Not reported  
City: BRONX

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**963 AMSTERDAM AVE (Continued)**

**A100194270**

State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 549-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/8/2011

Site Id: 29110  
Affiliation Type: Mail Contact  
Company Name: OWNER/FRANK IERIDES  
Contact Type: Not reported  
Contact Name: FRANK IERIDES  
Address1: PO BOX 2086  
Address2: Not reported  
City: KAILUA-KONA  
State: HI  
Zip Code: 96745  
Country Code: 001  
Phone: (808) 285-8755  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 12/12/2006

Site Id: 29110  
Affiliation Type: On-Site Operator  
Company Name: 963 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: GILBERTO POCH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-9324  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29110  
Affiliation Type: Emergency Contact  
Company Name: FRANK IERIDES  
Contact Type: Not reported  
Contact Name: STELLA IERIDES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 549-8565  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**963 AMSTERDAM AVE (Continued)**

**A100194270**

Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 62625  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D10 - Pipe Type - Copper  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
H05 - Tank Leak Detection - In-Tank System (ATG)  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1965  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: msbaptis  
Last Modified: 12/12/2006  
Material Name: #2 Fuel Oil (On-Site Consumption)

**F63**  
**NNW**  
**< 1/8**  
**0.053 mi.**  
**278 ft.**

**WEST 109 PORTFOLIO, LLC**  
**211 WEST 109TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100291783**  
**N/A**

**Site 2 of 26 in cluster F**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-608029  
Program Type: PBS  
UTM X: 587339.19368999999  
UTM Y: 4517354.4387600003  
Expiration Date: 05/29/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**105 ft.**

Affiliation Records:  
Site Id: 29881  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 211, LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100291783**

Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: P.O.BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29881  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 211, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29881  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6585  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 29881  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 211, LLC  
Contact Type: Not reported  
Contact Name: HI TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100291783**

Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 64188  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
B01 - Tank External Protection - Painted/Asphalt Coating  
K01 - Spill Prevention - Catch Basin  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1910  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

D64  
WNW  
< 1/8  
0.055 mi.  
289 ft.

216 WEST 108TH ST  
216 WEST 108TH STREET  
NEW YORK, NY 10025

Site 30 of 34 in cluster D

NY AST U003385180  
N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-112801  
Program Type: PBS  
UTM X: 587314.97062000004  
UTM Y: 4517293.40833

Actual:  
109 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216 WEST 108TH ST (Continued)**

**U003385180**

Expiration Date: 09/01/2015  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 3593  
Affiliation Type: Mail Contact  
Company Name: 216 WEST 108 STREET LLC  
Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/16/2010

Site Id: 3593  
Affiliation Type: On-Site Operator  
Company Name: 216 WEST 108TH ST  
Contact Type: Not reported  
Contact Name: SEFKET NELJKOVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5564  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/11/2007

Site Id: 3593  
Affiliation Type: Emergency Contact  
Company Name: 216 WEST 108 STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/11/2007

Site Id: 3593  
Affiliation Type: Facility Owner  
Company Name: 216 WEST 108 STREET LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216 WEST 108TH ST (Continued)**

**U003385180**

Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/16/2010

Tank Info:

Tank Number: 001  
Tank Id: 5187  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D10 - Pipe Type - Copper  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
1  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/01/1902  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 07/11/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F65**  
**NNW**  
**< 1/8**  
**0.055 mi.**  
**290 ft.**

**212 W 109TH ST**  
**NEW YORK, NY 10025**

**Site 3 of 26 in cluster F**

**EDR US Hist Auto Stat 1015323697**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**106 ft.**

EDR Historical Auto Stations:  
 Name: OMEGA SHOE REPAIR & SALES  
 Year: 2003  
 Address: 212 W 109TH ST

**I66**  
**West**  
**< 1/8**  
**0.058 mi.**  
**306 ft.**

**MANHOLE 24535**  
**WEST 107TH/AMSTERDAM AVE**  
**MANHATTAN, NY**

**Site 1 of 22 in cluster I**

**NY Spills S104788993**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**107 ft.**

SPILLS:  
 Facility ID: 0006475  
 Facility Type: ER  
 DER Facility ID: 85111  
 Site ID: 95139  
 DEC Region: 2  
 Spill Date: 8/31/2000  
 Spill Number/Closed Date: 0006475 / 12/20/2001  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:  
 Investigator: 3101  
 Referred To: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 8/31/2000  
 CID: 397  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/31/2000  
 Spill Record Last Update: 12/24/2001  
 Spiller Name: TED ROBICHAUD  
 Spiller Company: CON EDISON  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis notes:8/31/2001: 8:45 hours: Approx. 1 qt. of either cable or joint oil had spilled onto the floor of manhole. There is dirt and debris on the floor of the structure.FOD was in the process of locating a fault when they discovered the fault.Sample taken for analysis. Spill area protected with absorbent pigs. No cleanup action taken at this time. Cleanup pending crews and lab. analysis.19:25 hours: Lab. results arochlor/none PPM=0oil id was not possible due to degraded quality of sample.Date and time cleanup was completed:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 24535 (Continued)**

**S104788993**

Remarks: 9/9/2000 at 14:00 hours. Dry cleanup, oil absorbent. A flush truck from environmental operations used a high pressure hose to double wash the floor with bio genesis solution. Manhole was then rinsed by flush truck.  
fluid leaked from a cable joint 1 qt of fluid leaked and clean up is pending results

Material:  
Site ID: 95139  
Operable Unit ID: 827487  
Operable Unit: 01  
Material ID: 547592  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E67**  
**SSE**  
**< 1/8**  
**0.058 mi.**  
**307 ft.**

**NYC BD OF ED - IS 54M**  
**103 W 107TH ST**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**  
**FINDS**  
**NY MANIFEST**

**1004761744**  
**NYR000089979**

**Site 5 of 9 in cluster E**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**86 ft.**

Date form received by agency: 01/01/2007  
Facility name: NYC BD OF ED - IS 54M  
Facility address: 103 W 107TH ST  
NEW YORK, NY 10025  
EPA ID: NYR000089979  
Mailing address: QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Contact: BERNARD ORLAN  
Contact address: QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Contact country: US  
Contact telephone: (718) 391-6475  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NYC BOARD OF EDUCATION  
Owner/operator address: 2811 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 391-6475  
Legal status: Municipal  
Owner/Operator Type: Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - IS 54M (Continued)**

**1004761744**

Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported  
  
Owner/operator name: NYC BOARD OF EDUCATION  
Owner/operator address: 2811 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
  
Owner/operator country: US  
Owner/operator telephone: (718) 391-6475  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: NYC BD OF ED - IS 54M  
Classification: Not a generator, verified

Date form received by agency: 09/20/2000  
Site name: NYC BD OF ED - IS 54M  
Classification: Small Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

**FINDS:**

Registry ID: 110004564542

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - IS 54M (Continued)**

**1004761744**

corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYR000089979  
Country: USA  
Location Address 1: 103 W 107TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: I S 54 M SCHOOL  
Contact: WILLIAM A RESTREPO  
Address: 103 W 107TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-749-3410

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAC300016672  
Trans2 State ID: Not reported  
Generator Ship Date: 10/18/2013  
Trans1 Recv Date: 10/18/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/22/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000089979  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 20  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 2  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004163880FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - IS 54M (Continued)**

**1004761744**

Document ID: NYG2610882  
Manifest Status: Not reported  
Trans1 State ID: PD1011NY  
Trans2 State ID: Not reported  
Generator Ship Date: 10/05/2000  
Trans1 Recv Date: 10/05/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/06/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000089979  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00080  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2000

**E68  
SSE  
< 1/8  
0.058 mi.  
307 ft.**

**I.S. 54  
103 WEST 107TH STREET  
NEW YORK, NY 10025**

**NY AST U003394162  
NY HIST AST N/A**

**Site 6 of 9 in cluster E**

**Relative:  
Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-353906  
Program Type: PBS  
UTM X: 587557.19149999996  
UTM Y: 4517086.8851399999  
Expiration Date: 06/28/2018  
Site Type: School

**Actual:  
86 ft.**

Affiliation Records:

Site Id: 17576  
Affiliation Type: Facility Owner  
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 44-36 VERNON BOULEVARD  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5751  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/5/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I.S. 54 (Continued)

U003394162

Site Id: 17576  
Affiliation Type: Mail Contact  
Company Name: NYC DEPT. OF EDUCATION  
Contact Type: Not reported  
Contact Name: MUNENDRA SHARMA  
Address1: FIELD OPERATIONS-FUEL DIVISION  
Address2: 44-36 VERNON BOULEVARD  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5752  
EMail: MSHARMA@SCHOOLS.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/29/2015

Site Id: 17576  
Affiliation Type: On-Site Operator  
Company Name: JUNIOR HIGH SCHOOL 54 - MANHATTAN  
Contact Type: Not reported  
Contact Name: LIONEL SANTIAGO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-2147  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 1/29/2015

Site Id: 17576  
Affiliation Type: Emergency Contact  
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: KEN MAHADEO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 210-7918  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/26/2015

Tank Info:

Tank Number: 001  
Tank Id: 34374  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I.S. 54 (Continued)

U003394162

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
I02 - Overfill - High Level Alarm  
I04 - Overfill - Product Level Gauge (A/G)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/07/1950  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/29/2015  
Material Name: #4 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 34375  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
I02 - Overfill - High Level Alarm  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/07/1950  
Capacity Gallons: 10000  
Tightness Test Method: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I.S. 54 (Continued)

U003394162

Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/29/2015  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-353906  
SWIS Code: 6201  
Operator: PLANT OPERATION  
Facility Phone: (718) 391-6000  
Facility Addr2: 103 WEST 107TH STREET  
Facility Type: SCHOOL  
Emergency: SCHOOL SAFETY  
Emergency Tel: (212) 979-3300  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CITY OF NEW YORK C/O BOARD OF EDUCATION  
Owner Address: 28-11 QUEENS PLAZA NORTH  
Owner City,St,Zip: LONG ISLAND CITY, NY 11101  
Federal ID: Not reported  
Owner Tel: (718) 391-6832  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Contact: FRANK CARDELLO NTROL  
Mailing Name: BOARD OF EDUCATION  
Mailing Address: 28-11 QUEENS PLAZA NORTH  
Mailing Address 2: 5 FLOOR  
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101  
Mailing Telephone: (718) 391-6832  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 06/28/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 20000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**I.S. 54 (Continued)**

**U003394162**

Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 10000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Tank ID: 002  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 10000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**I69**  
**West**  
**< 1/8**  
**0.059 mi.**  
**309 ft.**

**CON EDISON MANHOLE 24535**  
**W 107TH ST & AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR** **1015746873**  
**NY MANIFEST** **NYP004248726**

**Site 2 of 22 in cluster I**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 03/27/2012

Facility name: CON EDISON MANHOLE 24535

Facility address: W 107TH ST & AMSTERDAM AVE

NEW YORK, NY 10025

EPA ID: NYP004248726

Mailing address: 4 IRVING PL, RM 828

NEW YORK, NY 10003

Contact: BENJAMIN BAMONTE

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 894-9549

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**107 ft.**

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 02/26/2012

Site name: CON EDISON MANHOLE 24535

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004248726

Country: USA

Location Address 1: E/INT WEST 107TH & AMSTERDAM AVE

Location Address 2: Not reported

Location City: NEW YORK

Location State: NY

Location Zip Code: 10025

Location Zip Code 4: Not reported

Mailing Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 24535 (Continued)**

**1015746873**

Name: CONSOLIDATED EDISON - MH 24535  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 02/26/2012  
Trans1 Recv Date: 02/26/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/29/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004248726  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 823.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 006903666JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

**F70  
NNW  
< 1/8  
0.059 mi.  
311 ft.**

**215 WEST 109TH ST/MANH  
215 WEST 109TH STREET  
NEW YORK CITY, NY  
Site 4 of 26 in cluster F**

**NY Spills S102145352  
N/A**

**Relative:  
Higher**

SPILLS:  
Facility ID: 8901712  
Facility Type: ER  
DER Facility ID: 90446  
Site ID: 102109  
DEC Region: 2  
Spill Date: 5/19/1989

**Actual:  
106 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

215 WEST 109TH ST/MANH (Continued)

S102145352

Spill Number/Closed Date: 8901712 / 5/22/1989  
Spill Cause: Human Error  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 5/19/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: 5/22/1989  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/22/1989  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: BAERENKLAU  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: CUSTOMER DISCONNECTS TANK WITHOUT NOTIFICATION CAUSING SPILL,  
BAERENKLAU ON SCENE CLEANING UP.

Material:

Site ID: 102109  
Operable Unit ID: 927693  
Operable Unit: 01  
Material ID: 449443  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 70  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 102109  
Spill Tank Test: 1535486  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F71**      **215-109 ASSOC.**  
**NNW**      **215 W 109TH STREET**  
**< 1/8**      **NEW YORK, NY 10025**  
**0.059 mi.**  
**311 ft.**      **Site 5 of 26 in cluster F**

**NY AST**      **U004045199**  
                          **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-108790  
 Program Type: PBS  
 UTM X: 587362.37647999998  
 UTM Y: 4517372.7939099995  
 Expiration Date: 06/05/1997  
 Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:

Site Id: 3236  
 Affiliation Type: Facility Owner  
 Company Name: 215-109 ASSOCIATES  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 895 BROADWAY, 2ND FLOOR  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10003  
 Country Code: 001  
 Phone: (212) 677-0180  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 3236  
 Affiliation Type: Mail Contact  
 Company Name: 215-109 ASSOCIATES  
 Contact Type: Not reported  
 Contact Name: SIMON BUUYATOVDANNY ERRIC  
 Address1: 895 BROADWAY, 2ND FLOOR  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10003  
 Country Code: 001  
 Phone: (212) 677-0180  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 3236  
 Affiliation Type: On-Site Operator  
 Company Name: 215-109 ASSOC.  
 Contact Type: Not reported  
 Contact Name: ED GONZALEZ  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**215-109 ASSOC. (Continued)**

**U004045199**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 852-3442  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3236  
Affiliation Type: Emergency Contact  
Company Name: 215-109 ASSOCIATES  
Contact Type: Not reported  
Contact Name: SIMON BUUYATOV  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 677-0180  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 5482  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
C01 - Pipe Location - Aboveground  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: 11/01/1981  
Capacity Gallons: 108  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1996  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

215-109 ASSOC. (Continued)

U004045199

Material Name: #2 Fuel Oil (On-Site Consumption)

D72  
West  
< 1/8  
0.059 mi.  
311 ft.

201 WEST 107TH STREET  
201 WEST 107TH STREET  
NEW YORK, NY 10025  
Site 31 of 34 in cluster D

NY AST U003396784  
NY HIST AST N/A

Relative:  
Higher

AST:

Actual:  
108 ft.

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-602697  
Program Type: PBS  
UTM X: 587319.02081999998  
UTM Y: 4517214.7415899998  
Expiration Date: 06/03/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 24653  
Affiliation Type: Facility Owner  
Company Name: HECSOMAR REALTY CORP, C/O MERCHANTS PROPERTIES INC  
Contact Type: PROPERTY MGR  
Contact Name: STACY HAMMEL  
Address1: 20 CLINTON STREET, 4A  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 666-0156  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/20/2006

Site Id: 24653  
Affiliation Type: Mail Contact  
Company Name: MERCHANTS PROPERTIES INC  
Contact Type: Not reported  
Contact Name: STACY HAMMEL  
Address1: 20 CLINTON STREET  
Address2: 4A  
City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 475-2280  
EMail: SJHAMMEL@NYC.RR.COM  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/20/2006

Site Id: 24653  
Affiliation Type: On-Site Operator  
Company Name: 201 WEST 107TH STREET  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

201 WEST 107TH STREET (Continued)

U003396784

Contact Name: PEDRO CASTRO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-0156  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/20/2006

Site Id: 24653  
Affiliation Type: Emergency Contact  
Company Name: HECSOMAR REALTY CORP, C/O MERCHANTS PROPERTIES INC  
Contact Type: Not reported  
Contact Name: MERCHANTS PROPERTIES INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 475-2280  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 51183  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
1  
Tank Location:  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1930  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 107TH STREET (Continued)**

**U003396784**

Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/18/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-602697  
SWIS Code: 6201  
Operator: JUAN CONDORI  
Facility Phone: (917) 290-7728  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: NORWAX ASSOC  
Emergency Tel: (914) 237-0600  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: HECSOMAR REALTY  
Owner Address: 1046 MCLEAN AVENUE  
Owner City,St,Zip: YONKERS, NY 10704  
Federal ID: Not reported  
Owner Tel: (914) 237-0600  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NORWAX ASSOC., INC  
Mailing Address: 1046 MCLEAN AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: YONKERS, NY 10704  
Mailing Telephone: (914) 237-0600  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 06/07/1996  
Expiration: 06/03/2001  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**201 WEST 107TH STREET (Continued)**

**U003396784**

Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**G73**  
**SSE**  
**< 1/8**  
**0.060 mi.**  
**315 ft.**

**JEWISH HOME & HOSPITAL ROYAL GARAGE**  
**102 W 107TH ST**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR 1000262713**  
**FINDS NYD982532244**

**Site 2 of 6 in cluster G**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007  
Facility name: JEWISH HOME & HOSPITAL ROYAL GARAGE  
Facility address: 102 W 107TH ST  
NEW YORK, NY 100253114  
EPA ID: NYD982532244  
Mailing address: W 106TH ST  
NEW YORK, NY 10025  
Contact: Not reported  
Contact address: W 106TH ST  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**87 ft.**

**Owner/Operator Summary:**

Owner/operator name: JEWISH HOME & HOSPITAL  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL ROYAL GARAGE (Continued)**

**1000262713**

Owner/Op end date: Not reported  
  
Owner/operator name: JEWISH HOME & HOSPITAL  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: JEWISH HOME & HOSPITAL ROYAL GARAGE  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: JEWISH HOME & HOSPITAL ROYAL GARAGE  
Classification: Not a generator, verified

Date form received by agency: 02/18/1988  
Site name: JEWISH HOME & HOSPITAL ROYAL GARAGE  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004421778

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**JEWISH HOME & HOSPITAL ROYAL GARAGE (Continued)**

**1000262713**

corrective action activities required under RCRA.

**D74**  
**WNW**  
**< 1/8**  
**0.060 mi.**  
**317 ft.**

**218 W 108**  
**218 WEST 108TH ST**  
**MANHATTAN, NY**  
**Site 32 of 34 in cluster D**

**NY Spills**    **S106015361**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**110 ft.**

Facility ID: 0303111  
 Facility Type: ER  
 DER Facility ID: 166007  
 Site ID: 199455  
 DEC Region: 2  
 Spill Date: 6/24/2003  
 Spill Number/Closed Date: 0303111 / 8/19/2009  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:** 3101  
 Investigator: RWAUSTIN  
 Referred To: Not reported  
 Reported to Dept: 6/24/2003  
 CID: 281  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/24/2003  
 Spill Record Last Update: 8/19/2009  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: TOM MARCINEK  
 Contact Phone: (212) 580-6763  
 DEC Memo: e2mis 1488486/24/03 218 W 108St - At 1000 C. McCallion, EH&S, reported to the ERC that at 0935 a construction crew (Brown) excavating for a gas leak in the vicinity of a fuel oil filler pipe found fuel oil, about an oz.) in the soil. They are reporting it as a third party spill. They will not be doing a clean up. The fuel oil does not appear to have entered any waterways or sewers. S. Porcelli 718831021 Notified CIG, Marcinek. Logger Chris McCallion (86578) 25-JUN-2003 - This is a third party spill discovered by Con Ed while excavating. No free product was observed, only wet/stained soil. Heavy fuel oil smell. Material was placed back in the hole where it came from. Con Ed did not clean this up. It was reported to the DEC for their followup. Excavation has been backfilled. I am changing the Opn Status to "-CLODE" for submittal for DEC closure.8/19/09 - Austin - minor soil staining localized to fill port - no further action necessary - closed - end

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**218 W 108 (Continued)**

**S106015361**

Remarks: Above material discovered during excavation at above location. Amount reported as 1 ounce. spill is 3rd party no cleanup scheduled. Con Ed # 148848.

Material:  
Site ID: 199455  
Operable Unit ID: 870209  
Operable Unit: 01  
Material ID: 503988  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E75**  
**SE**  
**< 1/8**  
**0.062 mi.**  
**325 ft.**

**MANHOLE 30749**  
**WEST 107 ST COLUMBUS AV**  
**MANHATTAN, NY**  
**Site 7 of 9 in cluster E**

**NY Spills S106970647**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
Facility ID: 0501809  
Facility Type: ER  
DER Facility ID: 292342  
Site ID: 346096  
DEC Region: 2  
Spill Date: 5/14/2005  
Spill Number/Closed Date: 0501809 / 4/5/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**85 ft.**

SWIS:  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 5/14/2005  
CID: 38  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/16/2005  
Spill Record Last Update: 4/5/2006  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 30749 (Continued)**

**S106970647**

Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: 4/5/05 - See e-docs for spill closure documentation. (JHO)  
Remarks: leaking feeder joint caused spill of 1/2 pt of dielectric fluid.  
Cleanup pending deenergization of manhole.

Material:

Site ID: 346096  
Operable Unit ID: 1103831  
Operable Unit: 01  
Material ID: 584033  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E76**  
**SE**  
**< 1/8**  
**0.062 mi.**  
**327 ft.**

**961 COLUMBUS AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015108747**  
**N/A**

**Site 8 of 9 in cluster E**

**Relative:**  
**Lower**  
**Actual:**  
**84 ft.**

EDR Historical Cleaners:  
Name: 107 RAINBOW CLEANERS INC  
Year: 2010  
Address: 961 COLUMBUS AVE  
  
Name: 107 RAINBOW CLEANERS  
Year: 2011  
Address: 961 COLUMBUS AVE  
  
Name: 107 RAINBOW CLEANERS  
Year: 2012  
Address: 961 COLUMBUS AVE

**G77**  
**SE**  
**< 1/8**  
**0.062 mi.**  
**328 ft.**

**PINNACLE AMSTERDAM LLC**  
**961 COLUMBUS AVE**  
**NEW YORK, NY 10019**

**NY AST A100292900**  
**N/A**

**Site 3 of 6 in cluster G**

**Relative:**  
**Lower**  
**Actual:**  
**85 ft.**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PINNACLE AMSTERDAM LLC (Continued)**

**A100292900**

Program Type: PBS  
UTM X: 587541.53287999996  
UTM Y: 4517073.9422599999  
Expiration Date: 08/29/2015  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 29845  
Affiliation Type: Mail Contact  
Company Name: PINNACLE GROUP  
Contact Type: Not reported  
Contact Name: MICHELLE MORALES  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 1/31/2011

Site Id: 29845  
Affiliation Type: On-Site Operator  
Company Name: PINNACLE AMSTERDAM LLC  
Contact Type: Not reported  
Contact Name: DAMIR RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NY  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5537  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/20/2014

Site Id: 29845  
Affiliation Type: Emergency Contact  
Company Name: PINNACLE AMSTERDAM LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/20/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PINNACLE AMSTERDAM LLC (Continued)**

**A100292900**

Site Id: 29845  
Affiliation Type: Facility Owner  
Company Name: PINNACLE AMSTERDAM LLC  
Contact Type: OFFICER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/21/2014

Tank Info:

Tank Number: 001  
Tank Id: 64107  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1988  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 07/06/2010  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D78  
WNW  
< 1/8  
0.064 mi.  
336 ft.

**SPILL NUMBER 0312458**  
**220 WEST 108TH STREET**  
**NEW YORK, NY**

**NY LTANKS S106123787**  
**N/A**

**Site 33 of 34 in cluster D**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**110 ft.**

Site ID: 148990  
Spill Number/Closed Date: 0312458 / 9/13/2004  
Spill Date: 2/9/2004  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: CESAWYER  
Referred To: Not reported  
Reported to Dept: 2/9/2004  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 2/9/2004  
Spill Record Last Update: 11/3/2004  
Spiller Name: HAROLD JUPITER  
Spiller Company: Not reported  
Spiller Address: 220 WEST 108TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: HAROLD JUPITER  
Spiller Phone: (212) 399-2400  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 126770  
DEC Memo:

Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"Contaminated soil letter sent.9/13/04 - Sawyer - Received closure report from John Rhyner at Lagan Engineering. I called him to clarify that something in the report. He explained a water area reported as ground water was not ground water. He said it was perched water that drained in and it was all removed. Closed.  
DURING REMOVAL OF TANK FOUND CONTAMINATED SOIL: EXCAVATING SOIL AND WILL BE REMOVING AND DISPOSING:

Material:

Site ID: 148990  
Operable Unit ID: 879909  
Operable Unit: 01  
Material ID: 497664  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0312458 (Continued)**

**S106123787**

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**I79**  
**West**  
**< 1/8**  
**0.064 mi.**  
**337 ft.**

**HIRTH REAL ESTATE**  
**202 W 107 ST**  
**NYC, NY 10025**  
**Site 3 of 22 in cluster I**

**NY AST U003388762**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-280267  
Program Type: PBS  
UTM X: 587310.18367000006  
UTM Y: 4517205.7554799998  
Expiration Date: 09/01/2015  
Site Type: Apartment Building/Office Building

**Actual:**  
**108 ft.**

Affiliation Records:  
Site Id: 12236  
Affiliation Type: Mail Contact  
Company Name: 200-202 WEST 107 LLC  
Contact Type: PARTNER  
Contact Name: AKIVA HIRTH  
Address1: 165 WEST 91ST ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 799-3950  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/18/2010

Site Id: 12236  
Affiliation Type: On-Site Operator  
Company Name: HIRTH REAL ESTATE  
Contact Type: Not reported  
Contact Name: SIGFREDO MORONTA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 404-8746  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/18/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIRTH REAL ESTATE (Continued)**

**U003388762**

Site Id: 12236  
Affiliation Type: Emergency Contact  
Company Name: 200-202 WEST 107 LLC  
Contact Type: Not reported  
Contact Name: SIGFREDO MORONTA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 404-8746  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/18/2010

Site Id: 12236  
Affiliation Type: Facility Owner  
Company Name: 200-202 WEST 107 LLC  
Contact Type: PARTNER  
Contact Name: AKIVA HIRTH  
Address1: 165 WEST 91ST ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 799-3950  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/18/2010

Tank Info:

Tank Number: 001  
Tank Id: 14567  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIRTH REAL ESTATE (Continued)**

**U003388762**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/01/1994  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/14/2011  
Material Name: #4 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-280267  
SWIS Code: 6201  
Operator: ISRAEL RAMIREZ  
Facility Phone: (212) 662-0287  
Facility Addr2: 202 W 107 ST  
Facility Type: Not reported  
Emergency: ISRAEL RAMIREZ  
Emergency Tel: (212) 662-0287  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SIDNEY HIRTH  
Owner Address: 210 W 70 ST  
Owner City,St,Zip: NYC, NY 10023  
Federal ID: Not reported  
Owner Tel: (212) 799-3950  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SIDNEY HIRTH  
Mailing Address: 210 W 70 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10023  
Mailing Telephone: (212) 799-3950  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 08/08/1997  
Expiration: 08/24/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIRTH REAL ESTATE (Continued)**

**U003388762**

Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 9  
Overfill Protection: Not reported  
Dispenser Method: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**180  
West  
< 1/8  
0.064 mi.  
337 ft.**

**SPILL NUMBER 0313925  
205 WEST 107 ST  
MANHATTAN, NY**

**NY Spills S106384032  
N/A**

**Site 4 of 22 in cluster I**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 0313925  
Facility Type: ER  
DER Facility ID: 61210  
Site ID: 63339  
DEC Region: 2  
Spill Date: 3/22/2004  
Spill Number/Closed Date: 0313925 / 3/22/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
108 ft.**

SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 3/22/2004  
CID: 403  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0313925 (Continued)**

**S106384032**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/22/2004  
Spill Record Last Update: 5/21/2004  
Spiller Name: PAUL  
Spiller Company: Not reported  
Spiller Address: 205 WEST 107 ST  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: PAUL  
Contact Phone: (718) 366-6662  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"see spill # 03-13922also 03-13928  
Remarks: about 5 gallons of an unknown petroleum spilled. spill hasnt been cleaned up yet

Material:  
Site ID: 63339  
Operable Unit ID: 879234  
Operable Unit: 01  
Material ID: 495514  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

181  
West  
< 1/8  
0.064 mi.  
337 ft.

205 W. 107TH ST  
205 W. 107TH ST  
MANHATTAN, NY  
Site 5 of 22 in cluster I

NY Spills S106384037  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0313928  
Facility Type: ER  
DER Facility ID: 258468  
Site ID: 320837  
DEC Region: 2  
Spill Date: 3/22/2004  
Spill Number/Closed Date: 0313928 / 3/22/2004  
Spill Cause: Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 3/22/2004  
CID: 403  
Water Affected: Not reported

Actual:  
108 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**205 W. 107TH ST (Continued)**

**S106384037**

Spill Source: Tank Truck  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/22/2004  
Spill Record Last Update: 11/10/2008  
Spiller Name: ANDREW MANSHEL  
Spiller Company: EMPIRE STATE OIL COMPANY  
Spiller Address: 107 ST  
Spiller City,St,Zip: NEW YORK CITY, NY  
001  
Contact Name: ANDREW MANSHEL  
Contact Phone: (212) 316-5148  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"See spill #0313922also # 0313925  
Remarks: the hose came undone causing an unknown amount of oil to spill.2 children were covered with oil.

Material:

Site ID: 320837  
Operable Unit ID: 880925  
Operable Unit: 01  
Material ID: 495517  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**I82**  
**West**  
**< 1/8**  
**0.064 mi.**  
**337 ft.**

**EMPIRE STATE OIL CO.**  
**205 WEST 107 ST**  
**NEW YORK CITY, NY**  
**Site 6 of 22 in cluster I**

**NY Spills S106384028**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0313922  
Facility Type: ER  
DER Facility ID: 275593  
Site ID: 63338  
DEC Region: 2  
Spill Date: 3/22/2004  
Spill Number/Closed Date: 0313922 / 12/3/2008  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE STATE OIL CO. (Continued)**

**S106384028**

Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 3/22/2004  
CID: 403  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/22/2004  
Spill Record Last Update: 12/3/2008  
Spiller Name: PAUL SANO  
Spiller Company: EMPIRE STATE OIL COMPANY  
Spiller Address: 205 WEST 107 ST  
Spiller City,St,Zip: NEW YORK CITY, NY  
Spiller Company: 001  
Contact Name: PAUL SANO  
Contact Phone: (516) 322-3820  
DEC Memo: \*\*\*\*\*PBS: 2-290963\*\*\*\*\*Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"3/22/04 Tipple updating//Tim DeMeo responding to site.see also spills # 03-13925 and 03-13928K&C transport stated that they hooked up to 205 West 107 th street's fill line and the fill line came disconnected from the building during the delivery. Two little girls age 11 and 12 were covered with the oil form the spray. Zoie Gross, the 11yr old was transported to a local hospital and was treated for first degree burns, she is now home and is being attended to by her mother Josephhine Lippman (212-865-9860).Miss Manshel has been cleaned up and sent to school by her father Andrew Manshel (212-316-5148).The delivery person and the building personnel did nothing to assist the two little girls except wipe a bit of oil from near the 11yr old's eyes.A PBS search was conducted and the tank is unregistered.The building personnel from 205 West 107th Street stated to Mr. Demeo that the city had replaced the sidewalk and damaged the remote fill at that time, and that each delivery after the sidewalk replacement there was oil coming up out of the sidewalk.3/24/04 tjdSoil contamination letter sent to property owner. DLE to issue to criminal summons for the failure to notify and the unregistered tank.Property ownerOscar Milian Apt 1E10/06/05-Jacob-File send to environmental enforcement (Phil Lodico)4/26/06- Jacob : file is going back to region 2Transferred from CO ("jbtambe")11/16/06 - Austin - Reassigned to Rahman for followup/review - end12/03/08 I rec'd a call from Charles Nicholas,counsel for 205 W 107th Street.He sent an affidavit signed by Oscar Milan,resident at 205 W 107th Street in 2004.AS per the affidavit, the spill was all cleaned up the same time it occurred.Later on, the fill port area was also replaced by the City and there was no problem thereafter with the fill port.Letter and pictures are in edocs.As per the incident report, the spill was approx. 5 gallons.Based on previous report and affidavit, the case can be closed.(sr)  
Remarks: about 5 gallons of oil spilled. the pipe that broke was the owner of the building. the spill is being cleaned up

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE STATE OIL CO. (Continued)**

**S106384028**

Material:  
Site ID: 63338  
Operable Unit ID: 879228  
Operable Unit: 01  
Material ID: 495511  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**183**  
**West**  
**< 1/8**  
**0.064 mi.**  
**337 ft.**

**APT BLDG MICHAEL ROSENBLATT**  
**203 W 107 ST**  
**NY, NY 10025**

**NY AST U003391869**  
**NY HIST AST N/A**

**Site 7 of 22 in cluster I**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-364177  
Program Type: PBS  
UTM X: 587314.77540000004  
UTM Y: 4517217.0229200004  
Expiration Date: 06/21/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**108 ft.**

Affiliation Records:  
Site Id: 18447  
Affiliation Type: Mail Contact  
Company Name: NEW CASTLE REALTY SERVICES LLC  
Contact Type: Not reported  
Contact Name: DAVID DRUMHELLER  
Address1: 72 MADISON AVE  
Address2: 6TH FLOOR  
City: NY  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (646) 472-7995  
EMail: DAVID@NEWCASTLENYC.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/13/2013

Site Id: 18447  
Affiliation Type: On-Site Operator  
Company Name: APT BLDG MICHAEL ROSENBLATT  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG MICHAEL ROSENBLATT (Continued)**

**U003391869**

Contact Name: VALDET PANGJA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 626-3256  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/23/2012

Site Id: 18447  
Affiliation Type: Emergency Contact  
Company Name: 203 WEST 107 LP  
Contact Type: Not reported  
Contact Name: DAVID DRUMHELLER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 861-4546  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/23/2012

Site Id: 18447  
Affiliation Type: Facility Owner  
Company Name: 203 WEST 107 LP  
Contact Type: MGR  
Contact Name: DAVID DRUMHELLER  
Address1: 203 WEST 107TH STREET  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (646) 472-7995  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/23/2012

Tank Info:

Tank Number: 001  
Tank Id: 22538  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG MICHAEL ROSENBLATT (Continued)**

**U003391869**

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1930  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/23/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-364177  
SWIS Code: 6201  
Operator: M ROSENBLATT  
Facility Phone: (718) 252-2670  
Facility Addr2: 203 W 107 ST  
Facility Type: APARTMENT BUILDING  
Emergency: ANDRE ALBA  
Emergency Tel: (212) 316-2334  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: M ROSENBLATT  
Owner Address: 1426 EAST 28TH STREET  
Owner City,St,Zip: BKLYN, NY 11210  
Federal ID: Not reported  
Owner Tel: (718) 252-2670  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: M ROSENBLATT  
Mailing Address: 1426 EAST 28TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BKLYN, NY 11210  
Mailing Telephone: (718) 252-2670  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG MICHAEL ROSENBLATT (Continued)**

**U003391869**

Certification Date: 09/11/1997  
Expiration: 10/15/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**E84** 72 WEST 108TH STREET  
**ESE** 72 WEST 108TH STREET  
**< 1/8** NEW YORK, NY 10025  
**0.065 mi.**  
**342 ft.** Site 9 of 9 in cluster E

**NY AST** U003383941  
**NY HIST AST** N/A

**Relative:** AST:  
**Lower** Region: STATE  
DEC Region: 2  
**Actual:** Site Status: Active  
**68 ft.** Facility Id: 2-070149  
Program Type: PBS  
UTM X: 587651.80928000004  
UTM Y: 4517112.2089400003  
Expiration Date: 11/10/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**72 WEST 108TH STREET (Continued)**

**U003383941**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 1535  
Affiliation Type: Mail Contact  
Company Name: PINNACLE GROUP  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111 3021  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/22/2010

Site Id: 1535  
Affiliation Type: On-Site Operator  
Company Name: PINNACLE HAMILTON LLC  
Contact Type: Not reported  
Contact Name: AL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 269-6216  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/12/2006

Site Id: 1535  
Affiliation Type: Emergency Contact  
Company Name: PINNACLE HAMILTON LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/20/2014

Site Id: 1535  
Affiliation Type: Facility Owner  
Company Name: PINNACLE HAMILTON LLC  
Contact Type: AGENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**72 WEST 108TH STREET (Continued)**

**U003383941**

Contact Name: MICHELLE MORALES  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/22/2010

Tank Info:

Tank Number: 001  
Tank Id: 2608  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/17/1994  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/22/2010  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-070149  
SWIS Code: 6201  
Operator: JESUS RODRIGUEZ  
Facility Phone: (212) 663-1675  
Facility Addr2: 72 WEST 108TH STREET  
Facility Type: APARTMENT BUILDING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**72 WEST 108TH STREET (Continued)**

**U003383941**

Emergency: JESUS RODRIGUEZ  
Emergency Tel: (212) 663-1675  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CARMINE ARENA  
Owner Address: P O BOX 1029  
Owner City,St,Zip: LARCHMONT, NY 10538  
Federal ID: Not reported  
Owner Tel: (914) 834-9061  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: CARMINE ARENA  
Mailing Address: P O BOX 1029  
Mailing Address 2: Not reported  
Mailing City,St,Zip: LARCHMONT, NY 10538  
Mailing Telephone: (914) 834-9061  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/25/1996  
Expiration: 01/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 9  
Overfill Protection: 4  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**72 WEST 108TH STREET (Continued)**

**U003383941**

Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**F85  
North  
< 1/8  
0.066 mi.  
350 ft.**

**1012 AMSTERDAM AVE  
NEW YORK, NY 10025  
Site 6 of 26 in cluster F**

**EDR US Hist Cleaners 1014968170  
N/A**

**Relative:  
Higher**

EDR Historical Cleaners:

**Actual:  
103 ft.**

Name: S D M LAUNDROMAT  
Year: 1999  
Address: 1012 AMSTERDAM AVE  
  
Name: S D M LAUNDROMAT  
Year: 2000  
Address: 1012 AMSTERDAM AVE  
  
Name: SDM LAUNDROMAT  
Year: 2001  
Address: 1012 AMSTERDAM AVE  
  
Name: SDM LAUNDROMAT  
Year: 2002  
Address: 1012 AMSTERDAM AVE  
  
Name: SDM LAUNDROMAT  
Year: 2003  
Address: 1012 AMSTERDAM AVE  
  
Name: SDM LAUNDROMAT  
Year: 2004  
Address: 1012 AMSTERDAM AVE  
  
Name: SUDS LAUNDROMAT  
Year: 2007  
Address: 1012 AMSTERDAM AVE  
  
Name: SUDS LAUNDROMAT  
Year: 2008  
Address: 1012 AMSTERDAM AVE  
  
Name: SUDS LAUNDROMAT  
Year: 2009  
Address: 1012 AMSTERDAM AVE  
  
Name: SUDS LAUNDROMAT  
Year: 2010  
Address: 1012 AMSTERDAM AVE  
  
Name: SUDS LAUNDROMAT

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1014968170**

Year: 2011  
 Address: 1012 AMSTERDAM AVE

Name: SUDS LAUNDROMAT  
 Year: 2012  
 Address: 1012 AMSTERDAM AVE

**B86**  
**ENE**  
 < 1/8  
 0.067 mi.  
 352 ft.

**CATHEDRAL PARKWAY TOWERS**  
**424 CATHEDRAL PARKWAY**  
**NEW YORK, NY 10025**

**NY AST** **U003392615**  
**NY HIST AST** **N/A**

**Site 9 of 12 in cluster B**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-207195  
 Program Type: PBS  
 UTM X: 587609.07298000006  
 UTM Y: 4517308.3225400001  
 Expiration Date: 12/04/2013  
 Site Type: Apartment Building/Office Building

**Actual:**  
**91 ft.**

Affiliation Records:  
 Site Id: 7340  
 Affiliation Type: Facility Owner  
 Company Name: CATHEDRAL PARKWAY TOWERS LLC  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 424 WEST 110TH ST  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 749-1100  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR  
 Date Last Modified: 9/29/2010

Site Id: 7340  
 Affiliation Type: Mail Contact  
 Company Name: CATHEDRAL PARKWAY TOWERS LLC  
 Contact Type: Not reported  
 Contact Name: MRS. WILLIE MAE ANDERSON  
 Address1: 424 WEST 110TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 749-1100  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR  
 Date Last Modified: 9/29/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL PARKWAY TOWERS (Continued)**

**U003392615**

Site Id: 7340  
Affiliation Type: On-Site Operator  
Company Name: CATHEDRAL PARKWAY TOWERS LLC  
Contact Type: Not reported  
Contact Name: MRS. WILLIE MAE ANDERSON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 749-1100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/29/2010

Site Id: 7340  
Affiliation Type: Emergency Contact  
Company Name: CATHEDRAL PARKWAY TOWERS LLC  
Contact Type: Not reported  
Contact Name: MRS. WILLIE MAE ANDERSON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 749-1100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/29/2010

**Tank Info:**

Tank Number: 1  
Tank Id: 24955  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL PARKWAY TOWERS (Continued)**

**U003392615**

Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: 06/19/1975  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 09/21/2010  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 09/29/2010  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-207195  
SWIS Code: 6201  
Operator: GEORGE  
Facility Phone: (212) 749-1100  
Facility Addr2: 424 CATHEDRAL PARKWAY  
Facility Type: APARTMENT BUILDING  
Emergency: MRS WILLIE MAE ANDERSON  
Emergency Tel: (212) 749-1100  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CATHEDRAL PARKWAY ASSOC. INC  
Owner Address: 424 CATHEDRAL PARKWAY. SUITE 2  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 749-1100  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: MRS. WILLIE MAE ANDERSON  
Mailing Name: CATHEDRAL PARKWAY ASSOC. LLC  
Mailing Address: 424 CATHEDRAL PARKWAY, SUITE 2  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 749-1100  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 12/15/1999  
Expiration: 08/23/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL PARKWAY TOWERS (Continued)**

**U003392615**

Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 2  
Overfill Protection: 4  
Dispenser Method: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**B87  
ENE  
< 1/8  
0.067 mi.  
356 ft.**

**TULIP APARTMENTS INC  
412 WEST 110TH ST  
NEW YORK, NY 10025**

**NY AST U003392549  
NY HIST AST N/A**

**Site 10 of 12 in cluster B**

**Relative:  
Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-200042  
Program Type: PBS  
UTM X: 587636.33701000002  
UTM Y: 4517292.9915300002  
Expiration Date: 10/23/2017  
Site Type: Apartment Building/Office Building

**Actual:  
78 ft.**

Affiliation Records:  
Site Id: 6717  
Affiliation Type: Facility Owner  
Company Name: TULIP APARTMENTS INC  
Contact Type: MANAGING AGENT  
Contact Name: ARI PAUL  
Address1: 155 RIVERSIDE DR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TULIP APARTMENTS INC (Continued)**

**U003392549**

Country Code: 001  
Phone: (212) 873-4919  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/2/2012

Site Id: 6717  
Affiliation Type: Mail Contact  
Company Name: TULIP APARTMENTS INC  
Contact Type: MANAGING AGENT  
Contact Name: ARI PAUL  
Address1: 155 RIVERSIDE DR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 873-4919  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/2/2012

Site Id: 6717  
Affiliation Type: On-Site Operator  
Company Name: TULIP APARTMENTS INC  
Contact Type: Not reported  
Contact Name: JULIO RODRIQUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-4571  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/2/2012

Site Id: 6717  
Affiliation Type: Emergency Contact  
Company Name: TULIP APARTMENTS INC  
Contact Type: Not reported  
Contact Name: A. PAUL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 873-4919  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/2/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TULIP APARTMENTS INC (Continued)**

**U003392549**

Tank Info:

Tank Number: 001  
Tank Id: 24845  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: dxliving  
Last Modified: 03/25/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 178324  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
I05 - Overfill - Vent Whistle  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
F00 - Pipe External Protection - None  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1910

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TULIP APARTMENTS INC (Continued)**

**U003392549**

Capacity Gallons: 5000  
Tightness Test Method: 00  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/02/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-200042  
SWIS Code: 6201  
Operator: TULIP APARTMENTS INC  
Facility Phone: (212) 873-4919  
Facility Addr2: 412 WEST 110TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: MR. M. RETTER ENTS INC  
Emergency Tel: (212) 873-4919  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TULIP APARTMENTS INC  
Owner Address: 155 RIVERSIDE DR  
Owner City,St,Zip: NEW YORK, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 873-4919  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: TULIP APARTMENTS INC  
Mailing Address: 155 RIVERSIDE DR  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 873-4919  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 09/23/1997  
Expiration: 10/23/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TULIP APARTMENTS INC (Continued)**

**U003392549**

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Other  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

88  
NE  
< 1/8  
0.068 mi.  
358 ft.

**CON EDISON SERVICE BOX: 28762  
446 CATHEDRAL PKWY FRONT OF  
NEW YORK, NY 10025**

**RCRA NonGen / NLR 1016454907  
FINDS NYP004337424  
NY MANIFEST**

**Relative:  
Higher**

RCRA NonGen / NLR:

**Actual:  
97 ft.**

Date form received by agency: 08/29/2013  
Facility name: CON EDISON SERVICE BOX: 28762  
Facility address: 446 CATHEDRAL PKWY FRONT OF  
NEW YORK, NY 10025  
EPA ID: NYP004337424  
Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 28762 (Continued)**

**1016454907**

Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/29/2013  
Site name: CON EDISON SERVICE BOX: 28762  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056504126

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004337424  
Country: USA  
Location Address 1: NS 110 ST 343' EO AMSTERDAM AVE  
Location Address 2: SB #28762  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/29/2013  
Trans1 Recv Date: 07/29/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 28762 (Continued)**

**1016454907**

Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/01/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004337424  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011695518JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**B89**  
**ENE**  
**< 1/8**  
**0.068 mi.**  
**359 ft.**

**410 W 110TH ST**  
**NEW YORK, NY 10025**

**Site 11 of 12 in cluster B**

**EDR US Hist Cleaners 1015056869**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: GRACIES LAUNDRY  
Year: 2003  
Address: 410 W 110TH ST

**Actual:**  
**77 ft.**

Name: C & B LAUNDRY LLC  
Year: 2004  
Address: 410 W 110TH ST

Name: GRACIES LAUNDRY  
Year: 2005  
Address: 410 W 110TH ST

Name: GRACIES LAUNDRY  
Year: 2006  
Address: 410 W 110TH ST

Name: GRACIES LAUNDRY  
Year: 2007  
Address: 410 W 110TH ST

Name: GRACIES LAUNDRY  
Year: 2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015056869

Address: 410 W 110TH ST  
Name: GRACIES LAUNDRY  
Year: 2011  
Address: 410 W 110TH ST  
Name: GRACIES LAUNDRY  
Year: 2012  
Address: 410 W 110TH ST

B90  
ENE  
< 1/8  
0.068 mi.  
359 ft.

**MORNINGSIDE HOUSING**  
**410 CATHEDRAL PARKWAY**  
**NEW YORK, NY 10025**  
**Site 12 of 12 in cluster B**

NY AST U003389264  
N/A

Relative:  
Lower

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-303992  
Program Type: PBS  
UTM X: 587640.92255000002  
UTM Y: 4517290.4923700001  
Expiration Date: 08/25/2018  
Site Type: Apartment Building/Office Building

Actual:  
77 ft.

Affiliation Records:

Site Id: 13837  
Affiliation Type: Facility Owner  
Company Name: MORNINGSIDE HOUSING ASSOCIATES  
Contact Type: ASSISTANT  
Contact Name: ANTOINE NIEVES  
Address1: 410 CATHEDRAL PARKWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (718) 997-9500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 7/30/2013

Site Id: 13837  
Affiliation Type: Mail Contact  
Company Name: NELSON MANAGEMENT GROUP LTD  
Contact Type: Not reported  
Contact Name: CHRISTINE CHORNY  
Address1: 118-35 QUEENS BOULEVARD  
Address2: 14TH FLOOR  
City: FOREST HILLS  
State: NY  
Zip Code: 11375  
Country Code: 001  
Phone: (718) 997-9500  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORNINGSIDE HOUSING (Continued)**

**U003389264**

Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 7/30/2013

Site Id: 13837  
Affiliation Type: On-Site Operator  
Company Name: MORNINGSIDE HOUSING  
Contact Type: Not reported  
Contact Name: ANTONIO MORALES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-3077  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/2/2008

Site Id: 13837  
Affiliation Type: Emergency Contact  
Company Name: MORNINGSIDE HOUSING ASSOCIATES  
Contact Type: Not reported  
Contact Name: ANTONIO MORALES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 749-3077  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 7/30/2013

Tank Info:

Tank Number: 001  
Tank Id: 16251  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MORNINGSIDE HOUSING (Continued)**

**U003389264**

H00 - Tank Leak Detection - None  
 K00 - Spill Prevention - None  
 Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 07/01/1980  
 Capacity Gallons: 7000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: DMMOLOUG  
 Last Modified: 07/30/2013  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**C91**  
**NNE**  
**< 1/8**  
**0.068 mi.**  
**361 ft.**

**WEST 110TH ST SUBSTATION**  
**464 WEST 110TH ST**  
**NEW YORK, NY**  
**Site 10 of 22 in cluster C**

**NY Spills S102663500**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**105 ft.**

**SPILLS:**  
 Facility ID: 0008613  
 Facility Type: ER  
 DER Facility ID: 255683  
 Site ID: 317185  
 DEC Region: 2  
 Spill Date: 10/24/2000  
 Spill Number/Closed Date: 0008613 / 3/14/2003  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
**SWIS:**  
 3101  
 Investigator: OKWUOHA  
 Referred To: Not reported  
 Reported to Dept: 10/24/2000  
 CID: 205  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/24/2000  
 Spill Record Last Update: 3/14/2003  
 Spiller Name: CALLER  
 Spiller Company: CON ED  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S102663500**

Remarks: leak on transformer 1 pt to bluestone. con ed # 134068.  
Material:  
Site ID: 317185  
Operable Unit ID: 831074  
Operable Unit: 01  
Material ID: 546118  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C92**  
**NNE**  
**< 1/8**  
**0.068 mi.**  
**361 ft.**

**CON ED SUB STATION**  
**464 WEST 110TH STREET**  
**MANHATTEN, NY**

**NY Spills S104504590**  
**N/A**

**Site 11 of 22 in cluster C**

**Relative:**  
**Higher**

**Actual:**  
**105 ft.**

SPILLS:  
Facility ID: 1206714  
Facility Type: ER  
DER Facility ID: 424025  
Site ID: 469722  
DEC Region: 2  
Spill Date: 10/7/2012  
Spill Number/Closed Date: 1206714 / 6/4/2013  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 10/7/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Major Facility (MOSF) > 400,000 gal  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/7/2012  
Spill Record Last Update: 6/4/2013  
Spiller Name: ERT  
Spiller Company: CON ED  
Spiller Address: 464 WEST 110TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON ED SUB STATION (Continued)

S104504590

Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 6/4/13 - Austin - 6 oz. Insulatum drippings from potheads - Con Ed contained and cleaned up the spill - See eDocs for further information - Spill closed - end  
Remarks: contained to concrete clean up pending  
Material:  
Site ID: 469722  
Operable Unit ID: 1219616  
Operable Unit: 01  
Material ID: 2218145  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5.999999999999999  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C93  
NNE  
< 1/8  
0.069 mi.  
362 ft.

WEST 110 TH SUBSTATION  
460 WEST 110TH ST  
MANHATTAN, NY  
Site 12 of 22 in cluster C

NY Spills S106383441  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0313326  
Facility Type: ER  
DER Facility ID: 87626  
Site ID: 98501  
DEC Region: 2  
Spill Date: 3/4/2004  
Spill Number/Closed Date: 0313326 / 6/4/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 3/4/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/4/2004  
Spill Record Last Update: 5/22/2007

Actual:  
103 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST 110 TH SUBSTATION (Continued)**

**S106383441**

Spiller Name: ERT DESK  
 Spiller Company: WEST 110 TH SUBSTATION  
 Spiller Address: 460 WEST 110 STREET  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 152362:P Abernathy #02605 reports that while doing an inspection at w.110 st sub station he discovered that 1/2 pint of dielectric fluid had leaked from a can on cap bank #3 onto the concrete pad. Samples do not have to be taken as to generator knowledge of non-hazardous material. Cleanup is pending the deenergization of the cap bank.On 3/3/04 An outage was obtained to clean up and replaced defective Capacitors. Clean up performed by Abernathy 02605 using absorbent pads and simple green. Capacitors replaced by 2000 hrs on 3/4/04.

Remarks: WHILE INSPECTING CABUSTER BANK(EQUIPMENT) CREW FOUND 1/2 PINT OF FLUID. CLEANING PENDING ,DUE TO FIXING PROBLEM, NO SMOKE, FIRE,SEWER, WATERWAYS OR PRIVATE PROPERTY:

Material:  
 Site ID: 98501  
 Operable Unit ID: 880502  
 Operable Unit: 01  
 Material ID: 498479  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**C94**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**WEST 110 ST SUBSTATION TR #3**  
**464 W 110TH STREET**  
**NEW YORK, NY**  
**Site 13 of 22 in cluster C**

**NY Spills S102240023**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 9810872  
 Facility Type: ER  
 DER Facility ID: 101811  
 Site ID: 117027  
 DEC Region: 2  
 Spill Date: 11/30/1998  
 Spill Number/Closed Date: 9810872 / 8/4/2008  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
 Investigator: JHOCONNE

**Actual:**  
**105 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 110 ST SUBSTATION TR #3 (Continued)

S102240023

Referred To: Not reported  
Reported to Dept: 11/30/1998  
CID: 371  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/30/1998  
Spill Record Last Update: 8/4/2008  
Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"NOTE: This is the "Master Spill Number" for Transformer #3. It is to remain open until all repairs on this equipment and remediation are completed. (JHO, 3/24/06)See eDocs for 2007 Substation Inspection Findings and for response from Con Edison relative to this spill. Breen8/4/08: Cleanup completed. As per 9/18/06 agreement between NYSDEC and Con Edison, approved engineering controls (valve bags, drip pans, absorbents, etc.) are in place and are being maintained for minor drips and small leaks. Repairs to be tracked and completed under Con Ed's MAXIMO Work Order. See eDocs for final emis report. Close out. (JHO)-----Con Ed e2mis #121568 (master):11/30/98 1020hrsFound 1-2 drops transformer oil leaking from TR#3, pump#1. Cleaned it up with diapers. History <1ppm PCB.11/30/98 1100hrsResults received 11/21/98. Drip pan under leak. 1 drop was on floor.11/30/98 Operator report cleanup including scrubbing twice with simple green. Leak is active at a very slow rate. Pads were placed to contain leak pending repairs. Will assume 50-499ppm pending sampling.-----e2mis no. 126634 (sub):19-JUL-1999 08:49TRANSF #3 -- W 110 ST SS -- Found spill approx 1/4 oz transformer oil on concrete pad from drain valve plug. Drip rate 2 drops per day. Tag #S00894 Hung. lab Seq #98-13260 <50 ppm pcb.Cleanup started, pads placed.21-JUL-1999 This leak was repaired and cleanup completed on 7/20/99 by mechanics. The drain valve plug was removed, cleaned and then put back with Permatex sealant. Cleanup completed with absorbent pads and Simple Green.The repairs were not effective and the unit has started to leak again, oil is present near the weld on the drainplug.-----e2mis no. 148079 (sub):On 4/25/03 at 09:12 F. Snow # 29335 of Substation operations found that 1/2 oz had leaked from transformer #3 on the no load tap changer onto the concrete pad. He has placed pads on the concrete pad & put a drip pan under the spill. He will turn this into the transformer group for repairs. He did not take any samples. He states that as per prior history it is less than 1 ppm pcb count with a lab sequence # 01-11723 with a date of 12/20/01.Permanent repairs pending outage. one or two DROPS of fluid leaked from pump - clean up complete.spill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 ST SUBSTATION TR #3 (Continued)**

**S102240023**

121568.

Material:

Site ID: 117027  
Operable Unit ID: 1068264  
Operable Unit: 01  
Material ID: 314731  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C95**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**ROADWAY**  
**IFO 464 W 110TH ST**  
**NEW YORK, NY**  
**Site 14 of 22 in cluster C**

**NY Spills S104282776**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 9908192  
Facility Type: ER  
DER Facility ID: 123816  
Site ID: 145302  
DEC Region: 2  
Spill Date: 10/6/1999  
Spill Number/Closed Date: 9908192 / 2/20/2002  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**105 ft.**

SWIS: 3101  
Investigator: COMENALE  
Referred To: Not reported  
Reported to Dept: 10/6/1999  
CID: 252  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/6/1999  
Spill Record Last Update: 2/20/2002  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: MANHATTAN, NY 10003-001  
Spiller Company: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROADWAY (Continued)**

**S104282776**

Contact Name: BILL MURPHY  
Contact Phone: (212) 580-6763  
DEC Memo: Not reported  
Remarks: VEH #12441 HAD EQUIPMENT FAILURE-SPILL CREW NOTIFIED FOR CLEANUP.

Material:  
Site ID: 145302  
Operable Unit ID: 1082491  
Operable Unit: 01  
Material ID: 300868  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C96**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**WEST 110 ST SUBSTATION TR #2**  
**464 WEST 110 STREET**  
**MANHATTAN, NY**  
**Site 15 of 22 in cluster C**

**NY Spills S104503839**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**105 ft.**

**SPILLS:**  
Facility ID: 0704173  
Facility Type: ER  
DER Facility ID: 333684  
Site ID: 384268  
DEC Region: 2  
Spill Date: 7/12/2007  
Spill Number/Closed Date: 0704173 / 11/8/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 7/13/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/13/2007  
Spill Record Last Update: 4/8/2008  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 ST SUBSTATION TR #2 (Continued)**

**S104503839**

Spiller Address: 454 WEST 110 TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 11/08/07 - See eDocs for Con Ed report detailing cleanup and closure.206988. see eDocsSee eDocs for 2007 Substation Inspection Findings and for response from Con Edison relative to this spill.  
Remarks: 4 OUNCES IN A MANHOLE AND COMING OFF 72 HOURS, DUE TO NOT BEING ABLE TO CLEAN UP YET.206988

Material:

Site ID: 384268  
Operable Unit ID: 1141578  
Operable Unit: 01  
Material ID: 2131792  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0702201  
Facility Type: ER  
DER Facility ID: 331306  
Site ID: 381886  
DEC Region: 2  
Spill Date: 5/23/2007  
Spill Number/Closed Date: 0702201 / 6/28/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 5/23/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/23/2007  
Spill Record Last Update: 6/28/2007  
Spiller Name: Not reported  
Spiller Company: CON EDISON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 ST SUBSTATION TR #2 (Continued)**

**S104503839**

Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 06/28/07 - See eDocs for Con Ed report detailing cleanup and closure.206031. see eDocs  
Remarks: LEAKING HOSE AND IN PROCESS OF CLEANING UP: 206031

Material:

Site ID: 381886  
Operable Unit ID: 1139308  
Operable Unit: 01  
Material ID: 2129336  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C97  
NNE  
< 1/8  
0.069 mi.  
363 ft.**

**STREET  
464 WEST 110TH STREET  
MANHATTAN, NY  
Site 16 of 22 in cluster C**

**NY Spills S113818118  
N/A**

**Relative:  
Higher**

SPILLS:

Facility ID: 1302971  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 483427  
DEC Region: 2  
Spill Date: 6/18/2013  
Spill Number/Closed Date: 1302971 / 8/13/2013  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
105 ft.**

SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 6/18/2013  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STREET (Continued)**

**S113818118**

Date Entered In Computer: 6/18/2013  
 Spill Record Last Update: 8/13/2013  
 Spiller Name: ERT  
 Spiller Company: CON ED  
 Spiller Address: 464 WEST 110TH STREET  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 999  
 Contact Name: ERT  
 Contact Phone: (212) 580-8383  
 DEC Memo: 6/19/13 TJDT/C with Dan Pontecovo at CON Edison ERT desk - he provided the following information- Spill occurred at Con Ed service center (fleet center with diesel/gas fueling)- Originally not reported as consider deminimus event- Reported to hotline as was not cleaned within 2 hours- unknown (not listed cause) gasoline/water mixture in secondary containment structure- total volume estimated as less than 1 gallon- product was pumped and transferred to drum for temporary storage in Haz Waste Storage Area- cleanup was completed on 6/18 @1900- EMIS report (234025/4) on EDOCS8/13/13 - Austin - 1 gal of gasoline/water mix discovered in dispensor pan in Con Ed yard fuep pump - Con Ed contained and cleaned up the spill - See eDocs files for further information - Spill closed - end  
 Remarks: contained - clean up pending

Material:  
 Site ID: 483427  
 Operable Unit ID: 1233140  
 Operable Unit: 01  
 Material ID: 2232016  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 1  
 Units: Gallons  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**C98**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**CON EDISON - WEST 110TH ST SS**  
**464 W 110TH ST**  
**NEW YORK, NY 10025**  
**Site 17 of 22 in cluster C**

**RCRA-CESQG 1000990291**  
**FINDS NYR000002501**  
**NY MANIFEST**

**Relative:**  
**Higher**  
  
**Actual:**  
**105 ft.**

RCRA-CESQG:  
 Date form received by agency: 01/01/2007  
 Facility name: CON EDISON - WEST 110TH ST SS  
 Facility address: 464 W 110TH ST  
 NEW YORK, NY 100252403  
 EPA ID: NYR000002501  
 Mailing address: IRVING PL ROOM 300  
 NEW YORK, NY 10003  
 Contact: Not reported  
 Contact address: IRVING PL ROOM 300  
 NEW YORK, NY 10003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Land type: Private  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CON EDISON CO OF NEW YORK INC  
Owner/operator address: 4 IRVING PL - ROOM 300  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: (212) 460-4833  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: CON EDISON CO OF NEW YORK INC  
Owner/operator address: 4 IRVING PL - ROOM 300  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: (212) 460-4833  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: CON EDISON - WEST 110TH ST SS  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2001  
Site name: W. 110TH ST.  
Classification: Large Quantity Generator

Date form received by agency: 07/14/1999  
Site name: CON EDISON - WEST 110TH ST SS  
Classification: Small Quantity Generator

Date form received by agency: 03/29/1996  
Site name: CON EDISON - 110TH ST SUB  
Classification: Large Quantity Generator

Date form received by agency: 03/30/1995  
Site name: CON EDISON - WEST 110TH ST SS  
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: X002
- . Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Universal Waste - Small Quantity Handlers  
Date violation determined: 02/17/2011  
Date achieved compliance: 02/17/2011  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/24/2011  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 02/24/2011  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/17/2011  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - Small Quantity Handlers  
Date achieved compliance: 02/17/2011  
Evaluation lead agency: State

Evaluation date: 09/10/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Evaluation lead agency: State

**FINDS:**

Registry ID: 110004512288

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYR000002501  
Country: USA  
Location Address 1: 464 W 110TH ST- W 110TH ST S/S  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10029  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 11/19/2014  
Trans1 Recv Date: 11/19/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/20/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NYD980593636  
Waste Code: Not reported  
Quantity: 4  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Manifest Tracking Num: 004808715FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 11/19/2014  
Trans1 Recv Date: 11/19/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/20/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 10  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 004808715FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 04/22/2009  
Trans1 Recv Date: 04/22/2009  
Trans2 Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

TSD Site Recv Date: 04/23/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 20.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001433880FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 05/25/2011  
Trans1 Recv Date: 05/25/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/26/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 30.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 003203690FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 03/28/2011  
Trans1 Recv Date: 03/28/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/30/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 25.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 003206945FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 11/09/2011  
Trans1 Recv Date: 11/09/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/10/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

TSDF ID: NYD980593636  
Waste Code: Not reported  
Quantity: 60.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 2.0  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 003207456FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 12/10/2008  
Trans1 Recv Date: 12/10/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/11/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: Not reported  
Quantity: 10.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 001433654FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 07/02/2008  
Trans1 Recv Date: 07/02/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/03/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 12.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 001451012FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 04/26/2012  
Trans1 Recv Date: 04/26/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/03/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 2.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Year: 2012  
Manifest Tracking Num: 003203859FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 08/17/2012  
Trans1 Recv Date: 08/17/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/29/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 10.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0

Year: 2012  
Manifest Tracking Num: 004806718FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 03/12/2012  
Trans1 Recv Date: 03/12/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/13/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 3.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 003203201FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 02/01/2012  
Trans1 Recv Date: 02/01/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 20.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 003203228FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 04/26/2012  
Trans1 Recv Date: 04/26/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/30/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 10.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 003203858FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 04/26/2012  
Trans1 Recv Date: 04/26/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/30/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Trans2 EPA ID: Not reported  
TSDF ID: NYD980593636  
Waste Code: Not reported  
Quantity: 30.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 003203858FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 06/18/2012  
Trans1 Recv Date: 06/18/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/19/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NYD980593636  
Waste Code: Not reported  
Quantity: 10.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 003207013FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 11/13/2012  
Trans1 Recv Date: 11/13/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/14/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 5.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 004806826FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 07/08/2013  
Trans1 Recv Date: 07/08/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/09/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 5  
Units: P - Pounds  
Number of Containers: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON - WEST 110TH ST SS (Continued)

1000990291

Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004807689FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 09/09/2013  
Trans1 Recv Date: 09/09/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/11/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 10  
Units: P - Pounds  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004807428FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Trans2 State ID: Not reported  
Generator Ship Date: 04/15/2013  
Trans1 Recv Date: 04/15/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/16/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: Not reported  
Quantity: 15  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 003207099FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 03/18/2013  
Trans1 Recv Date: 03/18/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/19/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000002501  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 20  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004806525FLE  
Import Ind: N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON - WEST 110TH ST SS (Continued)**

**1000990291**

Export Ind: N  
 Discr Quantity Ind: N  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H141

**C99**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**WEST 110TH ST SUBSTATION**  
**464 WEST 110TH STREET**  
**MANHATTAN, NY**

**NY LTANKS S105058743**  
**NY Spills N/A**

**Site 18 of 22 in cluster C**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**105 ft.**

Site ID: 346678  
 Spill Number/Closed Date: 0502336 / 7/25/2005  
 Spill Date: 5/27/2005  
 Spill Cause: Tank Failure  
 Spill Source: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: GDBREEN  
 Referred To: Not reported  
 Reported to Dept: 5/27/2005  
 CID: 409  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/27/2005  
 Spill Record Last Update: 7/25/2005  
 Spiller Name: ERT DESK MIKE DAUGHTERY  
 Spiller Company: WEST 110 SUBSTAION  
 Spiller Address: 464 WEST 110TH ST  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller County: 001  
 Spiller Contact: ERT DESK MIKE DAUGHTERY  
 Spiller Phone: (212) 580-8383  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 223150  
 DEC Memo: 158827. EMIS 158817 E 110 ST SITE HAS BEEN VOID. @ 10:00 Senior Substation Operator F. Snow #29335, discovered 0.5 gallons of dielectric fluid on the concrete floor. The capacitor can had ruptured. (High voltage test set). @ the W. 110 St. 464 Substation. Clean-up is in progress. Reported to T. Haynes 82326 @ 10:15. No fire/smoke involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions did not contribute to the spill. No private property affected. Environmental tag #000291 was hunged.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

Remarks: Spoken to Mr. Snow @ 11:30, clean-up is still in progress. Logger: T. Haynes 82326CIG: M. Piropato #18699 was notified at 10:46.6/6/05. On 5/27 Sr Station operator Fred Snow reported that the capacitor can was replaced and the oil spill was cleaned up with assistance of substation maintenance mechanics. Permanent repairs are in place and the spill is cleaned up. P.KeelanClosed. 7-25-05. George Breen 1/2 A GALLON.CAPACITOR CAN HAD RUPTURED.LOCATED ON CONCRETE IN THE STATION.CON ED#158827

Material:

Site ID: 346678  
Operable Unit ID: 1104438  
Operable Unit: 01  
Material ID: 584649  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 0306052  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 324263  
DEC Region: 2  
Spill Date: 9/8/2003  
Spill Number/Closed Date: 0306052 / 10/23/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 9/8/2003  
CID: 216  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/8/2003  
Spill Record Last Update: 1/18/2007  
Spiller Name: Not reported  
Spiller Company: CON EDISON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: RON ELLIOTT  
Contact Phone: (212) 580-6763  
DEC Memo:

10/23/06 - See e-docs for Con Ed report detailing cleanup and closure. Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY" Con Ed e2mis #150237:9/08/03 Brent Morris #20208, Substation Operations, reported at 10:23 hrs. that he found at 10:10 hrs. approx. 1/4 ounce of dielectric fluid leaked from A phase pothead of Fdr. 38M32 located in transformer vault #3 at the West 110th Street Substation. The street address of the station is 464 West 110th Street. The dielectric fluid leaked from the pothead sampling valve onto the bluestone. He was performing a station inspection when he discovered the spill. The source of the spill was the pothead and the cause was a leak from the sampling valve. Spill tag #001903 to be installed. No samples taken since feeder has to be de-energized in order to take samples. Cleanup started at 10:20 hrs. The affected bluestone will be picked and removed and absorbent pads will be placed to contain any further leaks. Update: 9/8/03 Fred Snow, Senior Substation Operator reported at 10:56 hrs. that the cleanup was completed. A spill pan with absorbent pads (engineering control) was placed to contain any further leak. Manhattan Environmental Desk called the Substation Operator to find out if the pothead was still leaking. Fred Snow reported at approx. 11:15 hrs. that the pothead is leaking and the drip rate is approx. one drip per hour. The feeder will have to be de-energized in order to make repairs.

Remarks: 1/4 oz will be cleaned up

Material:

Site ID: 324263  
Operable Unit ID: 874621  
Operable Unit: 01  
Material ID: 503288  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0205701  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 288088  
DEC Region: 2  
Spill Date: 9/2/2002  
Spill Number/Closed Date: 0205701 / 1/14/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 9/2/2002  
CID: 312  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/2/2002  
Spill Record Last Update: 1/21/2004  
Spiller Name: SAME  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: ANDREW MORRIS  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis #144814:@08:22 hrs.T.Mcgarrigle #85558 guw sso.Reported to W.Lee #33243 mcc that found 1/2 gal of dielectric fluid on concrete floor at 08:15 hrs. Hung sign #000719. Cleanup in progress at this time. Leak from a capacitor can. No sample take at this time. No waterway/sewer affected, No injuries related to spill, Noweather conditions contribute to hazard of spill, No private property affected. Substance: Dielectric fluidCause of spill: Equipment failureSpill on: concreteReason for entering site: InspectionNo standing water, No substantial cracksCall Cig #09:07 hrs. A.Morris #857949/4/02T. Garcia #80482, Associate Specialist of Substation Operations reviewed report on September 4th, 2002 at 10:40 A.M. As of 11:43 a.m. I received information from Patrick Consenzo, #88980, Field Operations Planner indicating that the incident in question "was cleaned up Sunday night at 7:00 P.M. Mr. Cosenzo states that he was not informed of this incident until three hours after the fact." I mark changes to reflex Mr. Cosenzo's comments.10/09/02This incident has been closed and submitted to NYSDEC for final approval.1/14/04Repair visually confirmed by P Keelan on 12/5/02.  
Remarks: 1/2GAL SPILLED TO CONCRETE FLOOR - CLEAN UP UNDERWAY - CASE 144814  
Material:  
Site ID: 288088  
Operable Unit ID: 857140  
Operable Unit: 01  
Material ID: 519899  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 110TH ST SUBSTATION (Continued)

S105058743

Tank Test:

Facility ID: 9907335  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 94765  
DEC Region: 2  
Spill Date: 9/18/1999  
Spill Number/Closed Date: 9907335 / 11/4/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: COMENALE  
Referred To: Not reported  
Reported to Dept: 9/18/1999  
CID: 322  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/18/1999  
Spill Record Last Update: 11/4/2004  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: MANHATTAN, NY 10003-001  
Spiller Company: 001  
Contact Name: MARK SCHLAGEL  
Contact Phone: (212) 580-6763  
DEC Memo: e2mis no. 127893:SEPT. 18, 1999 12:07 HRS. P. ABERNATHY #02605  
SUBSTATION OPERATOR REPORTS THAT ON 09/18/99 @ 12:05 HRS. HE FOUND APPROX. 2 PINTS OF TRANSFORMER OIL ON THE CONCRETE PAD THAT LEAKED FROM TRANSFORMER #4 FDR.# 38M34 @ W. 110 ST SUBSTATION LOCATED @ 464 W. 110 ST WHILE DOING AN INSPECTION. THE SPILL DID NOT ENTER THE WATERWAYS OR SEWERS AND NO OTHER IMPACT REPORTED.THE DRIP RATE IS 1 DROP PER MINUTE. HE INSTALLED PADS AND A DRIP PAN AND THE SPILL WILL BE CLEANED UP BY SUBSTATION TRANSFORMER GROUP. THE P.C.B. COUNT IS UNKNOWN. THIS IS A NEW TRANSFORMER AND NO SAMPLE HISTORY ON RECORD. A SAMPLE WILL BE TAKEN. TAG# S-00505 WAS INSTALLED.12-DEC-1999 15:00 HRS FRED SNOW #29335 REPORTS SPILL CLEANED AND REPAIRS COMPLETED ON 09-19-99. LSN 98-14328 PCB <1 PPM

Remarks: spill from a tansformer #4 spill contained on pad - clean up crew on the way - sample will be taken con ed #127893

Material:  
Site ID: 94765  
Operable Unit ID: 1085766  
Operable Unit: 01  
Material ID: 300030  
Material Code: 0020A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0107500  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 288084  
DEC Region: 2  
Spill Date: 9/12/1999  
Spill Number/Closed Date: 0107500 / 11/4/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 10/22/2001  
CID: 207  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/22/2001  
Spill Record Last Update: 11/4/2004  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller Company: 001  
Contact Name: BILL MURPHY  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 127753:SEPT. 12, 1999 14:15 HRS. J. CONTRI #40322 SUBSTATION SUPV. REPORTS THAT ON 09/12/99 @ 14:05 HRS WHILE HE WAS FILLING A NEW TRANSFORMER WITH NON P.C.B. TRANSFORMER OIL HE NOTICED A VALVE LEAKING AND APPROX. 1/2 GALLON OF OIL SPILLED ONTO THE BLUESTONE. THE SPILL WAS STOPPED AND THE BLUE STONE WAS PICKED UP AND THE CLEANUP IS COMPLETE. THE SPILL DID NOT ENTER THE WATERWAYS OR SEWERS OR ENTER THE SOIL. THIS WAS ON TRANSFORMER #4 ON FEEDER #38M34. THE 9/16/03This was a new transformer and the valve had to be tightened. No further repairs necessary.  
Remarks: 1/2 gal total product - all cleaned up127753 while filling transformer #4 product leaked from a valve

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

Material:

Site ID: 288084  
Operable Unit ID: 844585  
Operable Unit: 01  
Material ID: 532316  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0304770  
Facility Type: ER  
DER Facility ID: 223150  
Site ID: 288090  
DEC Region: 2  
Spill Date: 8/5/2003  
Spill Number/Closed Date: 0304770 / 9/19/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 8/5/2003  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/5/2003  
Spill Record Last Update: 9/22/2003  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY - 001  
Contact Name: ANDREW MORRIS  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"E2MIS 1496608/05/03 @ 13:35 hrs.Fred Snow #29335, Substation Operator, reported at 13:16 hrs. that he found at 13:10 hrs. approx. 1 pint of dielectric fluid leaked out of a capacitor can from Capacitor Bank #3 located indoors at the West 110th Street

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110TH ST SUBSTATION (Continued)**

**S105058743**

Substation. The street address of the station is 464 West 110th Street. He was performing a station inspection when he discovered that the capacitor can had ruptured and leaked dielectric fluid on the concrete pad. No samples were taken since this is a known non-PCB substance. No initial cleanup action was taken. Capacitor bank #3 must be de-energized and grounded before any cleanup action can be taken. Update: 8/5/03 Fred Snow #29335, Senior Substation Operator, reported that the cleanup was completed at 15:25 hrs. R. Pellegrino #386208/7/03 On Aug 6, 2003 the maintenance group replaced the capacitor. The incident is closed.

Remarks: broken capacitor can -non pcb oil - ref #149660

Material:

Site ID: 288090  
Operable Unit ID: 871586  
Operable Unit: 01  
Material ID: 505623  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**C100**  
**NNE**  
**< 1/8**  
**0.069 mi.**  
**363 ft.**

**110TH STREET SUBSTATION PH #1**  
**464 W. 110 STREET**  
**MANHATTAN, NY**  
**Site 19 of 22 in cluster C**

**NY Spills S104503601**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**105 ft.**

SPILLS:

Facility ID: 0408578  
Facility Type: ER  
DER Facility ID: 336151  
Site ID: 333349  
DEC Region: 2  
Spill Date: 11/4/2004  
Spill Number/Closed Date: 0408578 / 1/10/2008  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 11/4/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SUBSTATION PH #1 (Continued)**

**S104503601**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/4/2004  
Spill Record Last Update: 4/8/2008  
Spiller Name: ERT DESK  
Spiller Company: 110TH STREET SUBSTATION  
Spiller Address: 110 STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: 01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.e2mis 1561079/4/07: spill transferred from Arakhan to O'Connell. (JHO)See eDocs for 2007 Substation Inspection Findings and for response from Con Edison relative to this spill.  
Remarks: VALVE BROKE,THEY ARE BYPASSING THE VALVE AT THIS ,HAVE PLACED A BUCKET UNDER LEAK: HIT FLOOR, AND CLEANING UP AT THIS TIME: ONED # 156107: NO TO THE 5 QUESTIONS:

Material:  
Site ID: 333349  
Operable Unit ID: 1095504  
Operable Unit: 01  
Material ID: 575639  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C101  
NNE  
< 1/8  
0.069 mi.  
363 ft.

WEST 110 ST S/S. POTHEAD  
464 WEST 110 STREET. SUBSTATION  
MANHATTAN, NY  
Site 20 of 22 in cluster C

NY Spills S108637888  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0703846  
Facility Type: ER  
DER Facility ID: 333287  
Site ID: 383866  
DEC Region: 2  
Spill Date: 7/5/2007  
Spill Number/Closed Date: 0703846 / 8/20/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
105 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 ST S/S. POTHEAD (Continued)**

**S108637888**

SWIS: 3101  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 7/5/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/5/2007  
Spill Record Last Update: 10/10/2007  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON W110 ST SS  
Spiller Address: 464 WEST 110TH ST  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 08/20/07 - See eDocs for Con Ed report detailing cleanup and closure.206816. see eDocs  
Remarks: coming from a pothead about 2 ounces and clean up pending feeder deenergize. 206816

Material:

Site ID: 383866  
Operable Unit ID: 1141195  
Operable Unit: 01  
Material ID: 2131395  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0702776  
Facility Type: ER  
DER Facility ID: 332018  
Site ID: 382566  
DEC Region: 2  
Spill Date: 6/6/2007  
Spill Number/Closed Date: 0702776 / 7/23/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 110 ST S/S. POTHEAD (Continued)

S108637888

Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 6/6/2007  
CID: 408  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/6/2007  
Spill Record Last Update: 10/10/2007  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON  
Spiller Address: 464 WEST 110TH ST  
Spiller City,St,Zip: MANHATTAN, NY 10025  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 07/23/07 - See eDocs for Con Ed report detailing cleanup and closure.206297. see eDocs  
Remarks: CAUSE AND SOURCE CURRENTLY BEING INVESTINGATING; LEAK CONTAINED AND PENDING CLEAN UP; REF #206297

Material:  
Site ID: 382566  
Operable Unit ID: 1139959  
Operable Unit: 01  
Material ID: 2130008  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0709504  
Facility Type: ER  
DER Facility ID: 333287  
Site ID: 390592  
DEC Region: 2  
Spill Date: 12/3/2007  
Spill Number/Closed Date: 0709504 / Not Reported  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JMOCONNE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 110 ST S/S. POTHEAD (Continued)**

**S108637888**

Referred To: ERT  
Reported to Dept: 12/3/2007  
CID: 408  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 12/3/2007  
Spill Record Last Update: 8/7/2014  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON  
Spiller Address: 464 WEST 110TH ST  
Spiller City,St,Zip: MANHATTAN, NY 10025  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 209041. see eDocs06/22/10 - changed Lead DEC to JMOCONNE (JOC)8/7/14  
- Austin - See also spill # 1308498, which was closed and referred to  
this spill - end  
Remarks: leaked onto blue stone; LEAKING FROM TRANSFORMER #9; REF #209041;

Material:

Site ID: 390592  
Operable Unit ID: 1147694  
Operable Unit: 01  
Material ID: 2138146  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C102  
NNE  
< 1/8  
0.069 mi.  
363 ft.

**W 110 ST S/S. XFMR #2**  
**464 WEST 110 STREET AT AMSTERDAM**  
**MANHATTAN, NY**

**NY Spills S108637608**  
**N/A**

**Site 21 of 22 in cluster C**

Relative:  
Higher

SPILLS:  
Facility ID: 0702404  
Facility Type: ER  
DER Facility ID: 331516  
Site ID: 382096  
DEC Region: 2  
Spill Date: 5/29/2007  
Spill Number/Closed Date: 0702404 / 11/8/2007

Actual:  
105 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 110 ST S/S. XFMR #2 (Continued)**

**S108637608**

Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 5/29/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/29/2007  
Spill Record Last Update: 4/8/2008  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON  
Spiller Address: 110TH STREET & AMSTERDAM  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 11/08/07 - See eDocs for Con Ed report detailing cleanup and closure.206126. see eDocsSee eDocs for 2007 Substation Inspection Findings and for response from Con Edison relative to this spill.  
Remarks: ON TO BLUE STONE AND CLEAN UP PENDING RESOURCES: CONED # 206126  
Material:  
Site ID: 382096  
Operable Unit ID: 1139509  
Operable Unit: 01  
Material ID: 2129549  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

1103  
West  
< 1/8  
0.069 mi.  
363 ft.

**JEOMILL REALTY CORP**  
**207-209 W 107 ST**  
**NEW YORK, NY 10025**

**NY AST U003390435**  
**NY HIST AST N/A**

**Site 8 of 22 in cluster I**

**Relative:**  
**Higher**

AST:

**Actual:**  
**109 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-290963  
Program Type: PBS  
UTM X: 587264.80460999999  
UTM Y: 4517216.4514499996  
Expiration Date: 08/24/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 13173  
Affiliation Type: Facility Owner  
Company Name: JEOMILL REALTY CORP  
Contact Type: AGENT  
Contact Name: AARON HOFFMAN  
Address1: 205 W 107 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7978  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/30/2014

Site Id: 13173  
Affiliation Type: Mail Contact  
Company Name: JEOMILL REALTY CORP  
Contact Type: Not reported  
Contact Name: AARON HOFFMAN  
Address1: 143 E 30TH ST B1  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 496-2003  
EMail: AARON@DER-REALTY.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/30/2014

Site Id: 13173  
Affiliation Type: On-Site Operator  
Company Name: JEOMILL REALTY CORP  
Contact Type: Not reported  
Contact Name: AARON HOFFMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEOMILL REALTY CORP (Continued)**

**U003390435**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 496-2003  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/30/2014

Site Id: 13173  
Affiliation Type: Emergency Contact  
Company Name: JEOMILL REALTY CORP  
Contact Type: Not reported  
Contact Name: AARON HOFFMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-4985  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/30/2014

Tank Info:

Tank Number: 001  
Tank Id: 19032  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping  
J02 - Dispenser - Suction Dispenser  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
F00 - Pipe External Protection - None  
C00 - Pipe Location - No Piping  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/08/1976  
Capacity Gallons: 3500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEOMILL REALTY CORP (Continued)**

**U003390435**

Last Modified: 04/30/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-290963  
SWIS Code: 6201  
Operator: OSCAR MILIAN  
Facility Phone: (212) 666-5106  
Facility Addr2: 207 W 107 ST  
Facility Type: APARTMENT BUILDING  
Emergency: OSCAR MILIAN  
Emergency Tel: (212) 666-5106  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: JEOMILL REALTY CORP  
Owner Address: 205 W 107 ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 666-5106  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: OSCAR MILIAN  
Mailing Name: JEOMILL REALTY CORP  
Mailing Address: 205 W 107 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 666-5106  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 09/15/1997  
Expiration: 08/24/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEOMILL REALTY CORP (Continued)**

**U003390435**

Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**1104**  
**WSW**  
**< 1/8**  
**0.069 mi.**  
**366 ft.**

**G. RUGGIERI**  
**955 AMSTERDAM AVE AKA 174 W 107 ST.**  
**NY, NY 10025**

**NY AST** **U003392929**  
**NY HIST AST** **N/A**

**Site 9 of 22 in cluster I**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-289183  
Program Type: PBS  
UTM X: 587281.91521999997  
UTM Y: 4517184.7970599998  
Expiration Date: 09/29/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**107 ft.**

Affiliation Records:  
Site Id: 13013  
Affiliation Type: Facility Owner  
Company Name: G J RUGGIERI  
Contact Type: OWNER  
Contact Name: GEORGE J. RUGGIERI  
Address1: 60 CRINC RD.  
Address2: Not reported  
City: COLTS NECK  
State: NJ  
Zip Code: 07722  
Country Code: 001  
Phone: (732) 332-9606  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/26/2005

Site Id: 13013  
Affiliation Type: Mail Contact  
Company Name: G J R + ASSOC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G. RUGGIERI (Continued)**

**U003392929**

Contact Type: Not reported  
Contact Name: GEORGE J. RUGGIERI  
Address1: 60 CRINC RD.  
Address2: Not reported  
City: COLTS NECK  
State: NJ  
Zip Code: 07722  
Country Code: 001  
Phone: (732) 332-9606  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/26/2005

Site Id: 13013  
Affiliation Type: On-Site Operator  
Company Name: G. J. RUGGIERI  
Contact Type: Not reported  
Contact Name: G J RUGGIERI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (732) 332-9606  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/26/2005

Site Id: 13013  
Affiliation Type: Emergency Contact  
Company Name: G J RUGGIERI  
Contact Type: Not reported  
Contact Name: G J RUGGIERI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (732) 332-9606  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/26/2005

Tank Info:

Tank Number: 001  
Tank Id: 25660  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G. RUGGIERI (Continued)**

**U003392929**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/30/1936  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 07/06/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-289183  
SWIS Code: 6201  
Operator: G. RUGGIERI  
Facility Phone: (718) 260-9064  
Facility Addr2: 955 AMSTERDAM AVE  
Facility Type: Not reported  
Emergency: G. RUGGIERI  
Emergency Tel: (718) 260-9064  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: G. RUGGIERI  
Owner Address: 162 MONTAGUE STREET  
Owner City,St,Zip: BROOKLYN, NY 11201  
Federal ID: Not reported  
Owner Tel: (718) 797-3514  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: G. J. R. & ASSOCIATES  
Mailing Address: 162 MONTAGUE STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BROOKLYN, NY 11201  
Mailing Telephone: (718) 797-3514  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G. RUGGIERI (Continued)**

**U003392929**

Certification Flag: False  
Certification Date: 10/01/1997  
Expiration: 09/29/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

D105  
WNW  
< 1/8  
0.070 mi.  
371 ft.

**ASCENSION SCHOOL**  
**224 W 108 ST**  
**NEW YORK, NY 10025**  
**Site 34 of 34 in cluster D**

**NY UST U000402168**  
**NY HIST UST N/A**

**Relative:**  
**Higher**

UST:  
Id/Status: 2-204447 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 05/24/2007  
UTM X: 587296.63158000004  
UTM Y: 4517303.18376000004

**Actual:**  
**110 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION SCHOOL (Continued)**

**U000402168**

Site Type: School

Affiliation Records:

Site Id: 7106  
Affiliation Type: Facility Owner  
Company Name: ASCENSION CHURCH  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 221 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7106  
Affiliation Type: Mail Contact  
Company Name: ASCENSION CHURCH  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 221 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7106  
Affiliation Type: On-Site Operator  
Company Name: ASCENSION SCHOOL  
Contact Type: Not reported  
Contact Name: TIMOTHY ROONEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-5161  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7106  
Affiliation Type: Emergency Contact  
Company Name: ASCENSION CHURCH  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION SCHOOL (Continued)**

**U000402168**

Contact Name: TIMOTHY ROONEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank ID: 17010  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: Not reported  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00  
Date Test: Not reported  
Next Test Date: 12/27/1987  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None

HIST UST:

PBS Number: 2-204447  
SPDES Number: Not reported  
Emergency Contact: FR JOHNSTON  
Emergency Telephone: (212) 222-5161  
Operator: CORNELIOUS MARQUEZ  
Operator Telephone: (000) 000-0000  
Owner Name: FR DONALD JOHNSTON  
Owner Address: 221 W 107 ST  
Owner City,St,Zip: NEW YORK, NY 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION SCHOOL (Continued)**

**U000402168**

Owner Telephone: (212) 222-0666  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Name: REV. JOHN P. DUFFELL, PASTOR  
Mailing Address: 221 W 107 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Contact: Not reported  
Mailing Telephone: (212) 222-0666  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: 224 W 108 ST  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: SCHOOL  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 08/13/1997  
Expiration Date: 07/20/2002  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Remote Impounding Area  
Leak Detection: Double Bottom  
Overfill Prot: Vent Whistle  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: 12/27/1987

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION SCHOOL (Continued)**

**U000402168**

Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**C106**  
**NNE**  
**< 1/8**  
**0.071 mi.**  
**376 ft.**

**CON EDISON SERVICE BOX: 28767**  
**473 CATHEDRAL PKWY FRONT OF**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**  
**FINDS**  
**NY MANIFEST**

**1016454909**  
**NYP004337440**

**Site 22 of 22 in cluster C**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 08/29/2013

Facility name: CON EDISON SERVICE BOX: 28767

Facility address: 473 CATHEDRAL PKWY FRONT OF

NEW YORK, NY 10025

EPA ID: NYP004337440

Mailing address: VING PL, 15TH FL NE

NEW YORK, NY 10003

Contact: THOMAS TEELING

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**106 ft.**

**Handler Activities Summary:**

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

**Historical Generators:**

Date form received by agency: 07/29/2013

Site name: CON EDISON SERVICE BOX: 28767

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

**FINDS:**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 28767 (Continued)**

**1016454909**

Registry ID: 110056504144

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004337440  
Country: USA  
Location Address 1: SS 110 ST 473' EO AMSTERDAM AVE  
Location Address 2: SB #28767  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/29/2013  
Trans1 Recv Date: 07/29/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/01/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004337440  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011695516JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 28767 (Continued)**

**1016454909**

Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**F107  
NW  
< 1/8  
0.071 mi.  
376 ft.**

**WEST 109 PORTFOLIO, LLC  
223 WEST 109TH STREET  
NEW YORK, NY 10025  
Site 7 of 26 in cluster F**

**NY AST A100348956  
N/A**

**Relative:  
Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-219568  
Program Type: PBS  
UTM X: 587339.19912  
UTM Y: 4517385.0655699996  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

**Actual:  
107 ft.**

**Affiliation Records:**

Site Id: 8420  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 223-225, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (718) 323-5430  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8420  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100348956**

Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014  
  
Site Id: 8420  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 223-225, LLC  
Contact Type: Not reported  
Contact Name: HI TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8420  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 223-225, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

**Tank Info:**

Tank Number: 001  
Tank Id: 24125  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
K01 - Spill Prevention - Catch Basin  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100348956**

H00 - Tank Leak Detection - None  
 3  
 Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 12/15/1905  
 Capacity Gallons: 3500  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: DMMOLOUG  
 Last Modified: 03/05/2014  
 Material Name: #4 Fuel Oil (On-Site Consumption)

**F108  
 NNW  
 < 1/8  
 0.072 mi.  
 381 ft.**

**VAULT 6400  
 OPP 1012 AMSTERDAM AVE  
 MANHATTAN, NY  
 Site 8 of 26 in cluster F**

**NY Spills S106971184  
 N/A**

**Relative:  
 Higher**

**SPILLS:**

Facility ID: 0502094  
 Facility Type: ER  
 DER Facility ID: 292645  
 Site ID: 346388  
 DEC Region: 2  
 Spill Date: 5/21/2005  
 Spill Number/Closed Date: 0502094 / 7/26/2005  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 104 ft.**

**SWIS:**

Investigator: GDBREEN  
 Referred To: Not reported  
 Reported to Dept: 5/21/2005  
 CID: 38  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/22/2005  
 Spill Record Last Update: 7/26/2005  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: 158706. K. Sell #53414, Environmental Services Mech. A, notified the control center on 05/21/05 at 09:50 hrs. to report he found approx.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VAULT 6400 (Continued)

S106971184

1.5 quarts of unknown oil and 1.5 gallons of water in V6400, which is located at the opposite 1012 Amsterdam Ave. K. Sell # 53414 was at this location to flush and clean when he found the spill, he was working under account number #W3483. There was no fire or smoke involved and no sewers or waterways were affected. There were no injuries related to this spill and the weather conditions did not contribute to the hazards of this spill. There was no private property affected. The source and the cause of this spill is unknown at this time. There is oil filled equipment in V6400. The water is standing. There are no substantial cracks or holes in V6400. A yellow environmental tag numbered #38847 was hung in V6400. There were two samples taken from V6400; one for ID and one for PCB's. The samples were marked priority E. The chain of custody form number is #EE00064. Absorbent pads were placed in V6400. The cleanup is pending test results and possible Transformer removal. Logger : M.Casalta #12684.05/21/05 16:16. Lab Sequence Number: 05-04780-001. Oil Identification. no oil extracted from sample for analysis. Logger : M.Casalta#1268405/21/05 16:25. Lab Sequence Number: 05-04781-001 Aroclor 1242 < 1.0 ppm EPA 608/8082Aroclor 1254 < 1.0 ppm EPA 608/8082Aroclor 1248 < 1.0 ppm EPA 608/8082Aroclor 1260 < 1.0 ppm EPA 608/80825/22 @ 02:35. Since we received Lab results of no PCB's and the ID results indicated that there was no oil extracted in the sample I had a Vactor truck do a Flush and clean in the structure and completed the cleanup at 02:30 on 5/22/2005. The Environmental tag # 38847 was removed. Crew....Chaput # 06344....Grier # 50671. Logger R Pagano # 48703Closed. 7-26-05. George Breen  
1 1/2 qts of unknown oil on 1 1/2 gallons of water. cleanup pending test results. 158706.

Remarks:

Material:

Site ID: 346388  
Operable Unit ID: 1104159  
Operable Unit: 01  
Material ID: 584320  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

1109  
West  
< 1/8  
0.074 mi.  
389 ft.

K R F MANAGEMENT CO  
210 WEST 107TH STREET  
NEW YORK, NY 10025  
Site 10 of 22 in cluster I

NY AST U003384734  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-093556

Actual:  
109 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384734**

Program Type: PBS  
UTM X: 587293.2876799995  
UTM Y: 4517214.7708099997  
Expiration Date: 03/01/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 2482  
Affiliation Type: Mail Contact  
Company Name: WEST 107 PORTFOLIO, LLC.  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: 707 PALISDADES AV  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/8/2013

Site Id: 2482  
Affiliation Type: On-Site Operator  
Company Name: WEST 107 PORTFOLIO, LLC.  
Contact Type: Not reported  
Contact Name: YANIR RYBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (862) 881-6920  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/8/2013

Site Id: 2482  
Affiliation Type: Emergency Contact  
Company Name: 220 W. 107TH LLC.  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/8/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384734**

Site Id: 2482  
Affiliation Type: Facility Owner  
Company Name: 220 W. 107TH LLC.  
Contact Type: MGR AGENT  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADE AVE  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/8/2013

Tank Info:

Tank Number: 001  
Tank Id: 4342  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
I00 - Overfill - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Temporarily Out of Service  
Pipe Model: Not reported  
Install Date: 01/01/1975  
Capacity Gallons: 6000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 07/08/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-093556  
SWIS Code: 6201  
Operator: HARRY XHEMAJLI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384734**

Facility Phone: (212) 663-8560  
Facility Addr2: 210 WEST 107TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: K R F MANAGEMENT CO MILLBROOK  
Emergency Tel: (718) 520-1240  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: K R F MANAGEMENT CO MILLBROOK  
Owner Address: 108-18 QUEENS BLVD  
Owner City,St,Zip: FOREST HILLS, NY 11375  
Federal ID: Not reported  
Owner Tel: (718) 520-1240  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: CHARLES HIRSCH  
Mailing Name: K R F MANAGEMENT CO MILLBROOK  
Mailing Address: 108-18 QUEENS BLVD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FOREST HILLS, NY 11375  
Mailing Telephone: (718) 520-1240  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 05/01/1997  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 6000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 6000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384734**

Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

110  
ENE  
< 1/8  
0.074 mi.  
393 ft.

**COLUMBUS AVE & 110TH ST  
COLUMBUS AVE & 110TH ST  
NEW YORK CITY, NY**

**NY Spills S102240030  
N/A**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 9602472  
Facility Type: ER  
DER Facility ID: 203501  
Site ID: 247838  
DEC Region: 2  
Spill Date: 5/21/1996  
Spill Number/Closed Date: 9602472 / 5/21/1996  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
72 ft.**

SWIS: 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 5/21/1996  
CID: 282  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/21/1996  
Spill Record Last Update: 6/27/1996  
Spiller Name: SAME  
Spiller Company: CON ED  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 001  
Contact Name: MR POLLICINO  
Contact Phone: (212) 338-3255  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"

Remarks: vehicle overheated causing the spill.1 pint of anti freeze was spilled and cleaned up

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS AVE & 110TH ST (Continued)**

**S102240030**

Material:  
Site ID: 247838  
Operable Unit ID: 1033942  
Operable Unit: 01  
Material ID: 352290  
Material Code: 0028A  
Material Name: ETHYLENE GLYCOL  
Case No.: 00107211  
Material FA: Hazardous Material  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**I111**  
**West**  
**< 1/8**  
**0.074 mi.**  
**393 ft.**

**211 W 107 STREET CORP.**  
**211 W 107 STREET**  
**NEW YORK, NY 10025**

**Site 11 of 22 in cluster I**

**NY UST U003312853**  
**NY HIST UST N/A**  
**NY AST**  
**NY HIST AST**

**Relative:**  
**Higher**

UST:  
Id/Status: 2-600743 / Inactive  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 05/07/2002  
UTM X: 587297.87942999997  
UTM Y: 4517226.03823999997  
Site Type: Private Residence

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 22721  
Affiliation Type: Facility Owner  
Company Name: 211 W 107 STREET CORP.C/O B.L. MANAGEMENT  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 42-19 BELL BLVD.  
Address2: Not reported  
City: BAYSIDE  
State: NY  
Zip Code: 11361  
Country Code: 001  
Phone: (718) 225-9411  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22721  
Affiliation Type: Mail Contact  
Company Name: 211 W 107 STREET CORP.  
Contact Type: Not reported  
Contact Name: SUPER FACILITY MANAGER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

Address1: 211 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 749-4846  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22721  
Affiliation Type: On-Site Operator  
Company Name: 211 W 107 STREET CORP.  
Contact Type: Not reported  
Contact Name: CORNELIUS MARQUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 844-4656  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22721  
Affiliation Type: Emergency Contact  
Company Name: 211 W 107 STREET CORP.C/O B.L. MANAGEMENT  
Contact Type: Not reported  
Contact Name: PAUL BRUBER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 225-9411  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank ID: 43531  
Tank Status: Tank Converted to Non-Regulated Use  
Material Name: Tank Converted to Non-Regulated Use  
Capacity Gallons: 2000  
Install Date: Not reported  
Date Tank Closed: 11/30/2000  
Registered: True  
Tank Location: Underground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I00 - Overfill - None  
B00 - Tank External Protection - None

HIST UST:

PBS Number: 2-600743  
SPDES Number: Not reported  
Emergency Contact: PAUL BRUBER  
Emergency Telephone: (718) 225-9411  
Operator: CORNELIUS MARQUEZ  
Operator Telephone: (917) 844-4656  
Owner Name: 211 W 107 STREET CORP.C/O B.L. MANAGEMENT  
Owner Address: 42-19 BELL BLVD.  
Owner City,St,Zip: BAYSIDE, NY 11361  
Owner Telephone: (718) 225-9411  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: 211 W 107 STREET CORP.  
Mailing Address: 211 WEST 107TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Contact: SUPER FACILITY MANAGER  
Mailing Telephone: (212) 749-4846  
Owner Mark: First Owner  
Facility Status: 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).  
Facility Addr2: 211 W 107 STREET  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: PRIVATE RESIDENCE  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 05/07/1998  
Expiration Date: 05/07/2002  
Renew Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Undefined  
Install Date: Not reported  
Capacity (gals): 2000  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: Electronic  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: 12/27/1987  
Missing Data for Tank: No Missing Data  
Date Closed: 11/30/2000  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-117064  
Program Type: PBS  
UTM X: 587297.87942999997  
UTM Y: 4517226.0382399997  
Expiration Date: 06/05/2017  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 3970  
Affiliation Type: Facility Owner  
Company Name: SANDBERG MANAGEMENT CORP.  
Contact Type: ASST. SECRETARY  
Contact Name: MARSHA K  
Address1: 345 SEVENTH AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 268-0494  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/16/2012

Site Id: 3970  
Affiliation Type: Mail Contact  
Company Name: SANBERG MGMT CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 345 7TH AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 268-0494  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3970  
Affiliation Type: On-Site Operator  
Company Name: 211 W 107TH STREET  
Contact Type: Not reported  
Contact Name: FRANK BRUSCO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 496-5861  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3970  
Affiliation Type: Emergency Contact  
Company Name: SANBERG MANAGEMENT CORP.  
Contact Type: Not reported  
Contact Name: FRANK BRUSCO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 496-5861

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 7902  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1920  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/16/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-117064  
SWIS Code: 6201  
Operator: MARCOS ORDONEZ  
Facility Phone: (212) 749-4846  
Facility Addr2: 211 WEST 107TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARCOS ORDONEZ  
Emergency Tel: (212) 749-4846  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 211 WEST 107TH STREET CORP.  
Owner Address: 211 WEST 107TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (718) 225-9411

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 107 STREET CORP. (Continued)**

**U003312853**

Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: BURTON LEIDER  
Mailing Name: B.L. MANAGEMENT, INC.  
Mailing Address: 42-19A BELL BLVD.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BAYSIDE, NY 11361  
Mailing Telephone: (718) 225-9411  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 12/01/2000  
Expiration: 06/05/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 11/20/2000  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**F112**      **W 110 ST SUBSTATION**  
**North**     **W 110TH ST & AMSTERDAM AVE**  
**< 1/8**      **MANHATTAN, NY**  
**0.076 mi.**  
**400 ft.**     **Site 9 of 26 in cluster F**

**NY Spills**    **S103034863**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9507164  
Facility Type: ER  
DER Facility ID: 259765  
Site ID: 322453  
DEC Region: 2  
Spill Date: 9/12/1995  
Spill Number/Closed Date: 9507164 / 7/27/2004  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**103 ft.**

**SWIS:** 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 9/12/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/1948  
Spill Record Last Update: 1/22/2007  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Company: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"LEAKING FROM FEEDER - LEAKING ONE DROP PER MINUTE - CON ED IS SENDING A TEAM TO REPAIR THE LEAK FROM THE POTHEAD - SPOKE TO MR. ANDREW PETE.9/13/95 (Katz notes) - contained on 9/12/95 @2:50 PM. Using sorbent pads to absorb oil. According to Lou First, the unit cannot be permanently repaired until the unit/grid goes off-line for some reason. He indicated that he did not think the leak would get any worse. Lou First, W. 110th St. Substation (212) 338-4370.7/27/04: Con Ed submitted copy of 9/19/95 notification letter to DEP, which states: "Repairs and cleanup complete September 14, 1995." Close out. (JHO)

Remarks: LEAKING FROM FEEDER 3M33 POT HEAD

**Material:**

Site ID: 322453  
Operable Unit ID: 1018027  
Operable Unit: 01  
Material ID: 361592  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**W 110 ST SUBSTATION (Continued)**

**S103034863**

Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**F113**  
**North**  
**< 1/8**  
**0.077 mi.**  
**404 ft.**

**MANHOLE #60415**  
**WEST 110TH ST/AMSTERDAM A**  
**MANHATTAN, NY**  
**Site 10 of 26 in cluster F**

**NY Spills S105141264**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**103 ft.**

Facility ID: 0104878  
 Facility Type: ER  
 DER Facility ID: 127001  
 Site ID: 149267  
 DEC Region: 2  
 Spill Date: 8/6/2001  
 Spill Number/Closed Date: 0104878 / 8/7/2001  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: KMFOLEY  
 Referred To: Not reported  
 Reported to Dept: 8/6/2001  
 CID: 281  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Affected Persons  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/6/2001  
 Spill Record Last Update: 3/14/2003  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ -  
 Spiller Company: 001  
 Contact Name: STEVEN ROMERO  
 Contact Phone: (212) 580-6763  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Reference #0104864 for information (Con Ed e2mis #138704)Con Ed e2mis Notes:At 17:32 on 8/6/01 Central Gas Operations discovered an unknown oil spill in MH-60415. He was there searching for a gas leak. He found approx 20gal of an unknown oil on 300gal water. There is an oil filled feeder 38M33 in the manhole. There is no sewer

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #60415 (Continued)**

**S105141264**

Remarks: connection. ChemLab picked up PCB sample. Transmission Operations crew at approx 19:00 on 8/6/01 found fresh oil in manhole. Upon entering manhole, a leak was found on the 1" semi-stop bypass piping. This is the leak referenced by e2mis 138704. All further updates will be in 138704. PCB results indicate <1ppm. (KMF 8/7/01) e2mis no. 138-704: Clean Harbors pumped out manhole and temp clamp installed at 01:45 8/7/01. Custom barrel for pipe, clamp and valve being fabricated. Clean Harbors power washed manhole.  
ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 300 GALLONS OF WATER. SAMPLE TAKEN AND CLEANUP IS PENDING TEST RESULTS. CON ED # 138716.

Material:  
Site ID: 149267  
Operable Unit ID: 841633  
Operable Unit: 01  
Material ID: 533357  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**F114  
North  
< 1/8  
0.077 mi.  
405 ft.**

**CONSOLIDATED EDISON  
W110 ST & AMSTERDAM MH18760  
NEW YORK, NY 10027**

**NY MANIFEST 1009241183  
N/A**

**Site 11 of 26 in cluster F**

**Relative:  
Higher**

NY MANIFEST:  
EPA ID: NYP004095733  
Country: USA  
Location Address 1: W110 ST & AMSTERDAM MH18760  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10027  
Location Zip Code 4: Not reported

**Actual:  
103 ft.**

Mailing Info:  
Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0707904  
Manifest Status: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009241183**

Trans1 State ID: SM1709  
 Trans2 State ID: Not reported  
 Generator Ship Date: 02/06/2002  
 Trans1 Recv Date: 02/06/2002  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 02/07/2002  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYP004095733  
 Trans1 EPA ID: NYD006982359  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD980593636  
 Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
 Quantity: 04927  
 Units: K - Kilograms (2.2 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 01.00  
 Year: 2002

**F115**  
**North**  
**< 1/8**  
**0.077 mi.**  
**405 ft.**

**214109; 110TH ST AND AMSTERDAM AVE**  
**110TH ST AND AMSTERDAM AVE**  
**NEW YORK, NY**  
**Site 12 of 26 in cluster F**

**NY Spills S110306642**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0814536  
 Facility Type: ER  
 DER Facility ID: 386298  
 Site ID: 432686  
 DEC Region: 2  
 Spill Date: 10/15/2008  
 Spill Number/Closed Date: 0814536 / 11/25/2008  
 Spill Cause: Unknown  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**103 ft.**

**SWIS:**  
 Investigator: DMPOKRZY  
 Referred To: Not reported  
 Reported to Dept: 12/31/2008  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/16/2010  
 Spill Record Last Update: 4/16/2010  
 Spiller Name: ERT DESK  
 Spiller Company: CON EDISON  
 Spiller Address: 5030 BROADWAY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**214109; 110TH ST AND AMSTERDAM AVE (Continued)**

**S110306642**

Spiller City,St,Zip: New York, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: Not reported  
Remarks: Not reported

Material:

Site ID: 432686  
Operable Unit ID: 1183747  
Operable Unit: 01  
Material ID: 2177935  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**F116**  
**North**  
**< 1/8**  
**0.078 mi.**  
**411 ft.**

**ROADWAY**  
**500 WEST 110 STREET**  
**MANHATTEN, NY**  
**Site 13 of 26 in cluster F**

**NY Spills S112809129**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 1214327  
Facility Type: ER  
DER Facility ID: 432859  
Site ID: 477562  
DEC Region: 2  
Spill Date: 1/6/2013  
Spill Number/Closed Date: 1214327 / 1/10/2013  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**104 ft.**

SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 1/6/2013  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Passenger Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/6/2013  
Spill Record Last Update: 1/10/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROADWAY (Continued)**

**S112809129**

Spiller Name: GEORGE BRANSON  
Spiller Company: VEHICLE  
Spiller Address: 500 WEST 110 STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999  
Contact Name: GEORGE BRANSON  
Contact Phone: (347) 203-6886  
DEC Memo: minor street spill. NYFD cleaned the spill.  
Remarks: approx, 2 gallons to sewer drain clean up in progress

**Material:**

Site ID: 477562  
Operable Unit ID: 1227364  
Operable Unit: 01  
Material ID: 2224664  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**F117**  
**North**  
**< 1/8**  
**0.078 mi.**  
**411 ft.**  
**ARNLIE REALTY CO LLC**  
**500 WEST 110TH STREET**  
**NEW YORK, NY 10025**  
**Site 14 of 26 in cluster F**

**NY AST** **A100183495**  
**N/A**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606929  
Program Type: PBS  
UTM X: 587391.64067999995  
UTM Y: 4517399.68994  
Expiration Date: 09/11/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**104 ft.**

**Affiliation Records:**

Site Id: 28784  
Affiliation Type: Facility Owner  
Company Name: ARNLIE REALTY CO. LLC  
Contact Type: MEMBER  
Contact Name: ARNOLD S. WAX  
Address1: 3143 BROADWAY, SUITE 2A  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 749-3280

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ARNLIE REALTY CO LLC (Continued)**

**A100183495**

EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/5/2011

Site Id: 28784  
Affiliation Type: Mail Contact  
Company Name: ARNLIE REALTY CO LLC  
Contact Type: Not reported  
Contact Name: ARNOLD S. WAX  
Address1: 3143 BROADWAY  
Address2: SUITE 2A  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 749-3280  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28784  
Affiliation Type: On-Site Operator  
Company Name: ARNLIE REALTY CO LLC  
Contact Type: Not reported  
Contact Name: ARNLIE REALTY CO LLC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-3280  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28784  
Affiliation Type: Emergency Contact  
Company Name: ARNLIE REALTY CO. LLC  
Contact Type: Not reported  
Contact Name: HECTOR LORENZO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-6188  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**ARNLIE REALTY CO LLC (Continued)**

**A100183495**

Tank Info:

Tank Number: 001  
 Tank Id: 62055  
 Material Code: 0001  
 Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
 F00 - Pipe External Protection - None  
 I00 - Overfill - None  
 L00 - Piping Leak Detection - None  
 A00 - Tank Internal Protection - None  
 D00 - Pipe Type - No Piping  
 G00 - Tank Secondary Containment - None  
 J00 - Dispenser - None  
 B00 - Tank External Protection - None  
 E00 - Piping Secondary Containment - None  
 H00 - Tank Leak Detection - None

Tank Location: 1  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 01/01/1906  
 Capacity Gallons: 4000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: MSBAPTIS  
 Last Modified: 07/05/2011  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**G118**  
**SSE**  
 < 1/8  
 0.078 mi.  
 414 ft.

**953 COLUMBUS HOLDINGS , LLC**  
**953 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**  
**Site 4 of 6 in cluster G**

**NY AST U004067790**  
**N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-610394  
 Program Type: PBS  
 UTM X: 587520.75824999996  
 UTM Y: 4517032.8396100001  
 Expiration Date: 02/17/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
 91 ft.

Affiliation Records:  
 Site Id: 373238  
 Affiliation Type: Mail Contact  
 Company Name: ENDO MGMT, LLC  
 Contact Type: Not reported  
 Contact Name: PETER GARCIA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**953 COLUMBUS HOLDINGS , LLC (Continued)**

**U004067790**

Address1: 200 WEST 106TH ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (646) 335-0730  
EMail: PGARCIA@TREETOPDEV.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/1/2014

Site Id: 373238  
Affiliation Type: On-Site Operator  
Company Name: 953 COLUMBUS HOLDINGS , LLC  
Contact Type: Not reported  
Contact Name: JACK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5537  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/1/2014

Site Id: 373238  
Affiliation Type: Emergency Contact  
Company Name: PINNACLE AMSTERDAM LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 284-8385  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/21/2014

Site Id: 373238  
Affiliation Type: Facility Owner  
Company Name: 953 COLUMBUS HOLDINGS, LLC  
Contact Type: AGENT  
Contact Name: PETER GARCIA  
Address1: 200 WEST 106TH ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**953 COLUMBUS HOLDINGS , LLC (Continued)**

**U004067790**

Phone: (646) 335-0730  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/1/2014

Tank Info:

Tank Number: 001  
Tank Id: 214390  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/15/2006  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/01/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**G119**  
**SSE**  
**< 1/8**  
**0.078 mi.**  
**414 ft.**

**953 COLUMBUS AVENUE/MANH**  
**953 COLUMBUS AVENUE**  
**MANHATTAN, NY**  
**Site 5 of 6 in cluster G**

**NY Spills S102145768**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9000913  
Facility Type: ER  
DER Facility ID: 203110  
Site ID: 247364  
DEC Region: 2  
Spill Date: 4/25/1990  
Spill Number/Closed Date: 9000913 / 4/26/1990  
Spill Cause: Human Error

**Actual:**  
**91 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**953 COLUMBUS AVENUE/MANH (Continued)**

**S102145768**

Spill Class: Not reported  
SWIS: 3101  
Investigator: WILSON  
Referred To: Not reported  
Reported to Dept: 4/25/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 4/26/1990  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/7/1990  
Spill Record Last Update: 5/11/1990  
Spiller Name: Not reported  
Spiller Company: RAMER & SAPERSTEIN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: CUSTOMER ORDERED 250 GAL OVERFLOWED AND 130 SPILL TEAM

Material:  
Site ID: 247364  
Operable Unit ID: 940739  
Operable Unit: 01  
Material ID: 439267  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**F120  
NW  
< 1/8  
0.081 mi.  
426 ft.**

**JOHN KLEIN BUILDING  
229 WEST 109TH ST  
NEW YORK, NY  
Site 15 of 26 in cluster F**

**NY Spills S110751795  
N/A**

**Relative:  
Higher**

SPILLS:  
Facility ID: 1010893  
Facility Type: ER  
DER Facility ID: 399404  
Site ID: 444510  
DEC Region: 2  
Spill Date: 1/24/2011

**Actual:  
108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN KLEIN BUILDING (Continued)**

**S110751795**

Spill Number/Closed Date: 1010893 / 2/2/2011  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 1/25/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/25/2011  
Spill Record Last Update: 3/2/2011  
Spiller Name: SUPERINTENDENT OF BLD  
Spiller Company: JOHN KLEIN BUILDING  
Spiller Address: 229 WEST 109TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: SUPERINTENDENT OF BLD  
Contact Phone: (646) 702-0609  
DEC Memo: Sangesland explained to the caller that the city/state guidelines allow "unrestricted" black smoke to flow for 15 minutes upon startup of the building boiler. The black smoke is "incomplete combustion" which happens until the boiler is up to it's normal high operating temperature. In this cold weather, the boilers turn on and off several times a day. On each "start up" they are allowed 15 minutes of black smoke. Nothing can be done.3/2/11 - Austin - Complaint was passed to Div. of Air for possible action. They dispatched an investigator on 3/1/11 to investigate the boiler emission complaint. The contact for the building indicated that there was a smoke condition occurring due to incomplete oil combustion, but that was rectified. DEC inspector saw no opacity violations during his inspection. - end

Remarks: Caller states that a thick black smoke is in the air and it is affecting the air quality in the neighbor hood. The owner of the building is John Klein, City Prime Realty 212 217-0262 is the company that rents space in the building

Material:  
Site ID: 444510  
Operable Unit ID: 1194957  
Operable Unit: 01  
Material ID: 2190883  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOHN KLEIN BUILDING (Continued)**

**S110751795**

Oxygenate: False

Tank Test:

**F121**  
**NW**  
**< 1/8**  
**0.081 mi.**  
**426 ft.**

**229 W 109 RLTY CORP**  
**229 W 109 ST**  
**NYC, NY 10025**  
**Site 16 of 26 in cluster F**

**NY AST** **U003385877**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**108 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-150509  
Program Type: PBS  
UTM X: 587329.85967000003  
UTM Y: 4517390.06226  
Expiration Date: 06/18/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 4601  
Affiliation Type: Facility Owner  
Company Name: BRENDA HERSH % KINSEY EQUITIES  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 350 SEVENTH AVE., STE 302  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 255-5587  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/5/2013

Site Id: 4601  
Affiliation Type: Mail Contact  
Company Name: KINSEY EQUITIES, LLC  
Contact Type: Not reported  
Contact Name: MARISA KINSEY  
Address1: 350 SEVENTH AVENUE  
Address2: SUITE 302  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 255-5587  
EMail: MVK@KINSEYLLC.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/26/2013

Site Id: 4601

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**229 W 109 RLTY CORP (Continued)**

**U003385877**

Affiliation Type: On-Site Operator  
Company Name: 229 W 109 RLTY CORP  
Contact Type: Not reported  
Contact Name: 229 W 109 ST RLTY CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 638-2119  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/26/2013

Site Id: 4601  
Affiliation Type: Emergency Contact  
Company Name: 229 W 109 ST RLTY CORP  
Contact Type: Not reported  
Contact Name: MARK HENRSH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-1768  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 8728  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**229 W 109 RLTY CORP (Continued)**

**U003385877**

Install Date: 08/01/1963  
Capacity Gallons: 4500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 10/04/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-150509  
SWIS Code: 6201  
Operator: 229 W 109 ST RLTY CORP  
Facility Phone: (212) 662-1262  
Facility Addr2: 229 W 109 ST  
Facility Type: APARTMENT BUILDING  
Emergency: MARK HENRSH  
Emergency Tel: (212) 865-1768  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 229 W 109 ST RLTY CORP  
Owner Address: 611 W 112 ST  
Owner City,St,Zip: NYC, NY 10025  
Federal ID: Not reported  
Owner Tel: (712) 662-1262  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RAFI FINTSI  
Mailing Name: 229 W 109 ST RLTY CORP  
Mailing Address: 611 W 112 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10025  
Mailing Telephone: (712) 662-1262  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/16/1997  
Expiration: 06/18/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**229 W 109 RLTY CORP (Continued)**

**U003385877**

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

G122  
SSE  
< 1/8  
0.083 mi.  
440 ft.

**951 COLUMBUS AVENUE HDFC**  
**951 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**  
**Site 6 of 6 in cluster G**

**NY AST A100183550**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**92 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606987  
Program Type: PBS  
UTM X: 587520.25210000004  
UTM Y: 4517032.8336199997  
Expiration Date: 09/24/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 28842  
Affiliation Type: Facility Owner  
Company Name: 951 COLUMBUS AVENUE HDFC  
Contact Type: MAINTENANCE SUPT  
Contact Name: Not reported  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**951 COLUMBUS AVENUE HDFC (Continued)**

**A100183550**

Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28842  
Affiliation Type: Mail Contact  
Company Name: MANHATTAN VALLEY MGMT. CO.  
Contact Type: Not reported  
Contact Name: CRUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410 1949  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28842  
Affiliation Type: On-Site Operator  
Company Name: 951 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: MANHATTAN VALLEY MGMT. CO.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28842  
Affiliation Type: Emergency Contact  
Company Name: 951 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: NAOMI PENA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**951 COLUMBUS AVENUE HDFC (Continued)**

**A100183550**

Tank Number: 001  
Tank Id: 62134  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
I01 - Overfill - Float Vent Valve  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/01/1954  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 07/24/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

J123  
ESE  
< 1/8  
0.086 mi.  
452 ft.

70 WEST 108TH STREET  
70 WEST 108TH STREET  
NEW YORK, NY 10025

NY AST U004045729  
N/A

Site 1 of 15 in cluster J

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-455261  
Program Type: PBS  
UTM X: 587655.2047  
UTM Y: 4517110.4728300003  
Expiration Date: 03/28/1994  
Site Type: Unknown

Actual:  
66 ft.

Affiliation Records:

Site Id: 20018  
Affiliation Type: Facility Owner  
Company Name: 70 WEST 108TH STREET H D F C  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 70 WEST 108TH STREET  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**70 WEST 108TH STREET (Continued)**

**U004045729**

City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-9637  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 20018  
Affiliation Type: Mail Contact  
Company Name: 70 WEST 108TH STREET H D F C  
Contact Type: Not reported  
Contact Name: SUPER FACILITY MANAGER  
Address1: 70 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-9637  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 20018  
Affiliation Type: On-Site Operator  
Company Name: 70 WEST 108TH STREET  
Contact Type: Not reported  
Contact Name: 70 WEST 108TH ST. HDFC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-9637  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 20018  
Affiliation Type: Emergency Contact  
Company Name: 70 WEST 108TH STREET H D F C  
Contact Type: Not reported  
Contact Name: CARMEN GELASBERT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-9637  
EMail: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**70 WEST 108TH STREET (Continued)**

**U004045729**

Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
 Tank Id: 37437  
 Material Code: 0001  
 Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
 D01 - Pipe Type - Steel/Carbon Steel/Iron  
 G00 - Tank Secondary Containment - None  
 C00 - Pipe Location - No Piping  
 F00 - Pipe External Protection - None  
 I04 - Overfill - Product Level Gauge (A/G)  
 B00 - Tank External Protection - None  
 H00 - Tank Leak Detection - None

Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: Tank Converted to Non-Regulated Use  
 Pipe Model: Not reported  
 Install Date: Not reported  
 Capacity Gallons: 1080  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: 08/01/1996  
 Register: True  
 Modified By: TRANSLAT  
 Last Modified: 03/04/2004  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**F124**  
**NNW**  
**< 1/8**  
**0.086 mi.**  
**453 ft.**

**509 CATHEDRAL PKWY**  
**509 CATHEDRAL PKWY**  
**NY, NY 10025**  
**Site 17 of 26 in cluster F**

**NY AST** **U003388406**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-275751  
 Program Type: PBS  
 UTM X: 587413.48647999996  
 UTM Y: 4517431.3514900003  
 Expiration Date: 02/28/2018  
 Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:  
 Site Id: 11839  
 Affiliation Type: Mail Contact  
 Company Name: ACQUISITION AMERICA VI, LLC  
 Contact Type: AGENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

509 CATHEDRAL PKWY (Continued)

U003388406

Contact Name: STEVEN KURLANDER  
Address1: 347 FIFTH AVE. STE 1600  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: STEVENFAIRLINE@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11839  
Affiliation Type: On-Site Operator  
Company Name: 509 CATHEDRAL PKWY  
Contact Type: Not reported  
Contact Name: FRANK DZEFERI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-0052  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11839  
Affiliation Type: Emergency Contact  
Company Name: ACQUISITION AMERICA VI, LLC  
Contact Type: Not reported  
Contact Name: STEVEN KURLANDER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11839  
Affiliation Type: Facility Owner  
Company Name: ACQUISITION AMERICA VI, LLC  
Contact Type: AGENT  
Contact Name: STEVEN KURLANDER  
Address1: 347 FIFTH AVE. STE 1600  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10016

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**509 CATHEDRAL PKWY (Continued)**

**U003388406**

Country Code: 001  
Phone: (212) 686-5252  
EMail: STEVENFAIRLINE@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Tank Info:

Tank Number: 001  
Tank Id: 13902  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
E01 - Piping Secondary Containment - Diking (Aboveground)  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 11/23/1933  
Capacity Gallons: 6000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/28/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-275751  
SWIS Code: 6201  
Operator: ROBERT LADENHAUF  
Facility Phone: (212) 865-0367  
Facility Addr2: 509 CATHEDRAL PKWY  
Facility Type: APARTMENT BUILDING  
Emergency: ROBERT LADENHAUF  
Emergency Tel: (212) 865-0367  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SIMKOWITZ B TRUST C/O METRO MANAGEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

509 CATHEDRAL PKWY (Continued)

U003388406

Owner Address: 42-25 21ST STREET  
Owner City,St,Zip: L.I.C., NY 11101  
Federal ID: Not reported  
Owner Tel: (718) 706-7755  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SIMKOWITZ A TRUST  
Mailing Address: C/O METRO MANAGEMENT  
Mailing Address 2: 42-25 21ST STREET  
Mailing City,St,Zip: L.I.C., NY 11101  
Mailing Telephone: (718) 706-7755  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/24/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 6000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 6000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 1  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

509 CATHEDRAL PKWY (Continued)

U003388406

SPDES Number: Not reported  
Lat/Long: Not reported

K125  
WNW  
< 1/8  
0.087 mi.  
462 ft.

235 WEST 108TH ST OWNERS CORP  
235 WEST 108TH STREET  
NEW YORK, NY 10025  
Site 1 of 8 in cluster K

NY AST U003386601  
NY HIST AST N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-243051  
Program Type: PBS  
UTM X: 587278.29890000005  
UTM Y: 4517326.7260299996  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

Actual:  
110 ft.

Affiliation Records:

Site Id: 9343  
Affiliation Type: Facility Owner  
Company Name: 235 WEST 108TH ST OWNERS CORP  
Contact Type: AGENT  
Contact Name: DEBRORAH BEERS  
Address1: 279 WEST 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (212) 629-8288  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/15/2012

Site Id: 9343  
Affiliation Type: Mail Contact  
Company Name: ROBERT E. HILL INC  
Contact Type: Not reported  
Contact Name: DEBRORAH BEERS  
Address1: 279 WEST 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 884-2200  
EMail: DBEERS@ROBERTEHILL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/15/2012

Site Id: 9343  
Affiliation Type: On-Site Operator  
Company Name: 235 WEST 108TH ST OWNERS CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**235 WEST 108TH ST OWNERS CORP (Continued)**

**U003386601**

Contact Type: Not reported  
Contact Name: CHRISTINE POIGNARD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 931-4732  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/15/2012

Site Id: 9343  
Affiliation Type: Emergency Contact  
Company Name: 235 WEST 108TH ST OWNERS CORP  
Contact Type: Not reported  
Contact Name: CHRISTINE POIGNARD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-1126  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10298  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/01/1950

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**235 WEST 108TH ST OWNERS CORP (Continued)**

**U003386601**

Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 03/26/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-243051  
SWIS Code: 6201  
Operator: SAPARN REALTY INC  
Facility Phone: (212) 629-8288  
Facility Addr2: 235 WEST 108TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: JASSVAN DELIMA (SUPER)  
Emergency Tel: (212) 316-1126  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 235 WEST 108TH ST OWNERS CORP  
Owner Address: C/O SAPARN REALTY,INC-450 WEST 42ND ST  
Owner City,St,Zip: NEW YORK, NY 10036  
Federal ID: Not reported  
Owner Tel: (212) 629-8288  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SUPER FACILITY MANAGER  
Mailing Name: 235 WEST 108TH ST OWNERS CORP  
Mailing Address: C/O SAPARN REALTY,INC.  
Mailing Address 2: 450 WEST 42ND STREET SUITE 20  
Mailing City,St,Zip: NEW YORK, NY 10036  
Mailing Telephone: (212) 629-8288  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 05/07/1998  
Expiration: 07/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**235 WEST 108TH ST OWNERS CORP (Continued)**

**U003386601**

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

1126  
West  
< 1/8  
0.088 mi.  
465 ft.

**CO-OP BUILDING**  
**220 WEST 107TH STREET**  
**NEW YORK, NY**

**NY LTANKS S109064271**  
**N/A**

**Site 12 of 22 in cluster I**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**109 ft.**

Site ID: 396681  
Spill Number/Closed Date: 0800858 / 1/15/2009  
Spill Date: 4/21/2008  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: bkfalvey  
Referred To: Not reported  
Reported to Dept: 4/21/2008  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/21/2008  
Spill Record Last Update: 1/15/2009  
Spiller Name: CARMEN SANTIAGO  
Spiller Company: CO-OP BUILDING

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CO-OP BUILDING (Continued)**

**S109064271**

Spiller Address: 220 WEST 107TH STREET  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller County: 001  
 Spiller Contact: CARMEN SANTIAGO  
 Spiller Phone: (646) 673-6714  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 346158  
 DEC Memo: 5/2/08 sent ttf letter to:Carmen SantiagoThe Dermot Company1775  
 Broadway, Suite 510New York, NY 10019There is no registered facility  
 at this address. Included application with letter. bf1/15/09  
 Registration number is 2-093556. Registered address is 210 West 107th  
 Street. Yesterday, received letter dated 11/21/08 from Robert Urban  
 of Pro Test. Vent line was cause of failure. It was replaced and tank  
 passed tightness test on 11/20/08. No visible contamination found  
 within tank vault. NFA. bf

Remarks: dry leak

Material:  
 Site ID: 396681  
 Operable Unit ID: 1153651  
 Operable Unit: 01  
 Material ID: 2144418  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:  
 Site ID: 396681  
 Spill Tank Test: 2453560  
 Tank Number: Not reported  
 Tank Size: 6000  
 Test Method: 03  
 Leak Rate: 0  
 Gross Fail: Not reported  
 Modified By: Watchdog  
 Last Modified: 4/21/2008  
 Test Method: Horner EZ Check I or II

1127  
 West  
 < 1/8  
 0.088 mi.  
 465 ft.

**APT BLD**  
**220 WEST 107TH STREET**  
**MANHATTAN, NY**  
**Site 13 of 22 in cluster I**

**NY LTANKS S113820324**  
**N/A**

Relative:  
 Higher

LTANKS:  
 Site ID: 483210  
 Spill Number/Closed Date: 1302762 / 8/6/2013  
 Spill Date: 6/13/2013  
 Spill Cause: Tank Test Failure

Actual:  
 109 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APT BLD (Continued)

S113820324

Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 6/13/2013  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/13/2013  
Spill Record Last Update: 8/6/2013  
Spiller Name: JIM  
Spiller Company: APT BLD  
Spiller Address: 220 WEST 107TH STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 999  
Spiller Contact: JIM  
Spiller Phone: (718) 323-5430  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 438424  
DEC Memo: 06/17/13-Hiralkumar Patel.alternate address: none.other spill 0800858 was reported on 04/21/2008 due to tightness test failure for 6,000 gal #6 oil tank. leak found in vent line. after repair, tank system passed the test. no contamination found. case closed.no PBS record found for 220 W 107th St, but PBS # 2-093556 is listed in spill # 0800858 and it is registered with address 210 W 107th Street.PBS #: 2-093556 is for 6,000 gal #6 oil AST (in contact with soil) which was installed in Jan. 1975. the PBS registration expired on 03/05/2013.3:43 PM:- spoke with Robert. he tested an empty 6,000 gal AST sitting on floor. after initial failure, company repaired the manhole, but tank system failed again. Robert mentiond that he was working to company named HiTech and he believes that someone else performed isolation test.3:47 PM:- spoke with Jim at HiTech. he mentioned that heating system is being converted from #6 to #4 oil. they cleaned the tank and before delivering any oil to the tank, tightness test was performed and it failed. then ABC Tank performed isolation test and found leak in bottom of the tank. as per proposal, ABC Tank will remove cement floor from around the tank, lift the tank, build new floor and saddles, put old tank on saddles and then re-weld the tank's interior.3:52 PM:- left message for Donna at ABC Tank.06/18/13-Hiralkumar Patel.11:12 AM:- received message from Donna.1:21 PM:- spoke with Donna. she is working on price quote to lift tank, fix it and re-install in same location on saddles. asked her to call back once work scheduled.1:25 PM:- spoke with Mr. Friedman. inquired him about site address. he mentioned that buildings 210 and 220 are separate buildings, but owned by same company and have one tank/boiler room. he mentioned that the tank is located in building 220. informed him about expired PBS registration. asked him to submit required forms within a week to renew PBS registration.220 West 107 LLC. \*\*property owner\*\*c/o West 107

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**APT BLD (Continued)**

**S113820324**

Portfolio, LLC.PO Box 1524 (or 707 Palisade Ave)Englewood Cliffs, NJ 07632Attn.: Harry Tawil \*\*property manager\*\* Kenny Friedman \*\*Mr. Tawil's supervisor\*\*Ph. (917) 744-1232 (C) \*\*Mr. Friedman's number\*\*email: harryt@orbachgroup.com kenf470@yahoo.com \*\*Mr. Friedman's email\*\*1:57 PM:- sent letter, including PBS form-instruction, to Mr. Tawil requiring investigation of tank system failure and renewal of PBS registration. asked Mr. Tawil to submit PBS form immediately and investigation report by the end of 08/23/13. letter emailed to Mr. Friedman and Mr. Tawil.08/06/13-Hiralkumar Patel. received report in fax from ABC Tank. after initial tank test failure, ABC Tank lifted the 6,000 gal tank off ground to expose the tank bottom. bottom of the tank was found to be porous, but no spill noted underneath the tank. no cracks noted in cement slab. after welding plates to the tank's bottom, tank was installed on saddles. a tank system test was performed on 07/18/13 and found system tight.based on available information, case closed.1:43 PM:- sent spill closure letter to Mr. Tawil. letter emailed to Mr. Tawil and Mr. Friedman.

Remarks:

retest pending

Material:

Site ID: 483210  
 Operable Unit ID: 1232928  
 Operable Unit: 01  
 Material ID: 2231784  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**F128  
 NW  
 < 1/8  
 0.089 mi.  
 468 ft.**

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
 234 W 109TH ST  
 NEW YORK, NY 10025  
 Site 18 of 26 in cluster F**

**RCRA-CESQG 1000912005  
 ICIS NY0000377481  
 FINDS  
 NY MANIFEST**

**Relative:  
 Higher**

RCRA-CESQG:

Date form received by agency:01/01/2007  
 Facility name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
 Facility address: 234 W 109TH ST  
 NEW YORK, NY 100252228  
 EPA ID: NY0000377481  
 Mailing address: VERNON BLVD  
 LONG ISLAND CITY, NY 11101  
 Contact: MARGARET MCMAHON  
 Contact address: VERNON BLVD  
 LONG ISLAND CITY, NY 11101  
 Contact country: US  
 Contact telephone: (212) 663-7879

**Actual:  
 108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)**

**1000912005**

Contact email: Not reported  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NO NAME FOUND  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 02/14/2005  
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 02/14/2005  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)**

**1000912005**

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2005  
Site name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

Date form received by agency: 07/08/1999  
Site name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Classification: Not a generator, verified

Date form received by agency: 10/27/1994  
Site name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Classification: Small Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

ICIS:

Enforcement Action ID: 02-1994-0052  
FRS ID: 110004316758  
Program ID: RCRAINFO NY0000377481  
Action Name: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY  
Full Address: 234 W 109TH ST NEW YORK NY 100252228  
State: New York  
Facility Name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Facility Address: 234 W 109TH ST  
NEW YORK, NY 100252228  
Enforcement Action Type: Civil Judicial Action  
Facility County: NEW YORK  
EPA Region #: 2

Enforcement Action ID: 02-1994-0052  
FRS ID: 110004316758  
Program ID: FRS 110004316758  
Action Name: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY  
Full Address: 234 W 109TH ST NEW YORK NY 100252228  
State: New York  
Facility Name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Facility Address: 234 W 109TH ST  
NEW YORK, NY 100252228

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)**

**1000912005**

Enforcement Action Type: Civil Judicial Action  
Facility County: NEW YORK  
EPA Region #: 2

Program ID: FRS 110004316758  
Facility Name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Address: 234 W 109TH ST  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 1795

Program ID: RCRAINFO NY0000377481  
Facility Name: NYC BD OF ED - PUBLIC SCHOOL 165 MAN  
Address: 234 W 109TH ST  
Tribal Indicator: N  
Fed Facility: No  
NAIC Code: Not reported  
SIC Code: 1795

**FINDS:**

Registry ID: 110004316758

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

**NY MANIFEST:**

EPA ID: NY0000377481  
Country: USA  
Location Address 1: PS-165  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)**

**1000912005**

Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: NYC BOARD OF EDUCATION  
Contact: JACK BRUCCULERI  
Address: 234 WEST 109TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 718-349-5600

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAC300016672  
Trans2 State ID: Not reported  
Generator Ship Date: 06/17/2013  
Trans1 Recv Date: 06/17/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/21/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NY0000377481  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 9  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004519388FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MAC300016672  
Trans2 State ID: Not reported  
Generator Ship Date: 06/17/2013  
Trans1 Recv Date: 06/17/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/21/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)

1000912005

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NY0000377481  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: Not reported  
Quantity: 11  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 004519388FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: NYB6892605  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 2A029  
Trans2 State ID: Not reported  
Generator Ship Date: 01/09/1995  
Trans1 Recv Date: 01/09/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/09/1995  
Part A Recv Date: / /  
Part B Recv Date: 02/08/1995  
Generator EPA ID: NY0000377481  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1995

Document ID: NYG5228397  
Manifest Status: Not reported  
Trans1 State ID: NYD049178296  
Trans2 State ID: Not reported  
Generator Ship Date: 02/23/2005

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 165 MAN (Continued)**

**1000912005**

Trans1 Recv Date: 02/23/2005  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 02/23/2005  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NY0000377481  
 Trans1 EPA ID: 45347PANY  
 Trans2 EPA ID: Not reported  
 TSD ID: NYD049178296  
 Waste Code: F003 - UNKNOWN  
 Quantity: 00400  
 Units: P - Pounds  
 Number of Containers: 005  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 01.00  
 Waste Code: D003 - NON-LISTED REACTIVE WASTES  
 Quantity: 00005  
 Units: P - Pounds  
 Number of Containers: 001  
 Container Type: DM - Metal drums, barrels  
 Handling Method: Not reported  
 Specific Gravity: 01.00  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 00005  
 Units: P - Pounds  
 Number of Containers: 001  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 01.00  
 Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
 Quantity: 00002  
 Units: P - Pounds  
 Number of Containers: 001  
 Container Type: DM - Metal drums, barrels  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 01.00  
 Waste Code: Not reported  
 Quantity: Not reported  
 Units: Not reported  
 Number of Containers: Not reported  
 Container Type: Not reported  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: Not reported  
 Year: 2005

**F129**  
**NW**  
**< 1/8**  
**0.089 mi.**  
**468 ft.**

**PUBLIC SCHOOL 165 - MANHATTAN**  
**234 WEST 109TH STREET**  
**NEW YORK, NY 10025**  
**Site 19 of 26 in cluster F**

**NY AST A100295623**  
**N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-607637  
 Program Type: PBS

**Actual:**  
**108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUBLIC SCHOOL 165 - MANHATTAN (Continued)**

**A100295623**

UTM X: 587274.23474999995  
UTM Y: 4517375.6545900004  
Expiration Date: 04/16/2017  
Site Type: School

**Affiliation Records:**

Site Id: 29489  
Affiliation Type: Facility Owner  
Company Name: NYC DEPARTMENT OF EDUCATION  
Contact Type: MANAGER, FUEL DIVISION  
Contact Name: MUNENDRA SHARMA  
Address1: 44-36 VERNON BLVD.  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5738  
EMail: MSHARMA@SCHOOLS.NYC.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/10/2012

Site Id: 29489  
Affiliation Type: Mail Contact  
Company Name: NYC DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: MUNENDRA SHARMA  
Address1: FIELD OPERATIONS-FUEL DIVISION  
Address2: 44-36 VERNON BLVD.  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5738  
EMail: JMERLO@SCHOOLS.NYC.GOV  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/10/2012

Site Id: 29489  
Affiliation Type: On-Site Operator  
Company Name: PUBLIC SCHOOL 165 - MANHATTAN  
Contact Type: Not reported  
Contact Name: PLANT OPERATIONS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 349-5400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/4/2007

Site Id: 29489

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PUBLIC SCHOOL 165 - MANHATTAN (Continued)**

**A100295623**

Affiliation Type: Emergency Contact  
Company Name: NYC DEPARMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: SCHOOL SAFETY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 935-3300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/24/2011

Tank Info:

Tank Number: 001  
Tank Id: 63302  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser  
G02 - Tank Secondary Containment - Vault (w/access)  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
I02 - Overfill - High Level Alarm  
B01 - Tank External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground  
L00 - Piping Leak Detection - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/01/2001  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 02/10/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**F130** **WEST 109 PORTFOLIO, LLC**  
**NW** **235 WEST 109TH STREET**  
**< 1/8** **NEW YORK, NY 10025**  
**0.089 mi.**  
**470 ft.** **Site 20 of 26 in cluster F**

**NY AST** **A100182928**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**108 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-219541  
Program Type: PBS  
UTM X: 587315.93617999996  
UTM Y: 4517397.4473099997  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 8419  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 233-235, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8419  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-4198  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8419  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 233-235, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100182928**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8419  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 233-235, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 24124  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
L09 - Piping Leak Detection - Exempt Suction Piping  
E02 - Piping Secondary Containment - Vault (with Access)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1900  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 109 PORTFOLIO, LLC (Continued)**

**A100182928**

Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**F131  
NW  
< 1/8  
0.089 mi.  
470 ft.**

**235 WEST 109TH ST/MANH  
235 WEST 109TH STREET  
NEW YORK CITY, NY**

**NY Spills S102146176  
N/A**

**Site 21 of 26 in cluster F**

**Relative:  
Higher**

**SPILLS:**

**Actual:  
108 ft.**

Facility ID: 9011700  
Facility Type: ER  
DER Facility ID: 182832  
Site ID: 221054  
DEC Region: 2  
Spill Date: 2/7/1991  
Spill Number/Closed Date: 9011700 / 2/7/1991  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 2/7/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 2/7/1991  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/12/1991  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: UNIVERSAL EQUITIES INC  
Spiller Address: Not reported  
Spiller City,St,Zip: FORT LEE, NE  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: THREADS ON FILL BOX AT CURB BOX STRIPPED,NOZZLE POPPED OFF FITTING, SPILLAGE ON SIDEWALK & STREET,DRIVER APPLIED SPEEDY DRY & WILL PICK UP& DISPOSE.

**Material:**

Site ID: 221054  
Operable Unit ID: 948709  
Operable Unit: 01  
Material ID: 428229  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**235 WEST 109TH ST/MANH (Continued)**

**S102146176**

Quantity: 8  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**I132  
WSW  
< 1/8  
0.089 mi.  
471 ft.**

**944 AMSTERDAM AVE  
NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015107784  
N/A**

**Site 14 of 22 in cluster I**

**Relative:  
Higher**

EDR Historical Cleaners:

**Actual:  
106 ft.**

Name: POLANCO LAUNDRYMAT  
Year: 1999  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDRYMAT  
Year: 2000  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDRYMAT  
Year: 2001  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDRYMAT  
Year: 2002  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT  
Year: 2003  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT  
Year: 2004  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT  
Year: 2005  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT  
Year: 2006  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT  
Year: 2007  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT CORP  
Year: 2008  
Address: 944 AMSTERDAM AVE

Name: POLANCO LAUNDROMAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015107784

Year: 2009  
Address: 944 AMSTERDAM AVE  
  
Name: POLANCO LAUNDRYMAT  
Year: 2010  
Address: 944 AMSTERDAM AVE  
  
Name: POLANCO LAUNDROMAT  
Year: 2011  
Address: 944 AMSTERDAM AVE  
  
Name: POLANCO LAUNDROMAT  
Year: 2012  
Address: 944 AMSTERDAM AVE

F133  
NNW  
< 1/8  
0.090 mi.  
474 ft.

**CATHEDRAL TOWER**  
**514 WEST 110TH STREET**  
**NEW YORK, NY 10025**

NY AST A100317692  
N/A

Site 22 of 26 in cluster F

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-610717  
Program Type: PBS  
UTM X: 587359.47334000003  
UTM Y: 4517417.1705099996  
Expiration Date: 12/02/2018  
Site Type: Apartment Building/Office Building

Actual:  
106 ft.

Affiliation Records:  
Site Id: 390141  
Affiliation Type: Facility Owner  
Company Name: CATHEDRAL TOWER CONDOMINIUM  
Contact Type: AGENT  
Contact Name: JOHN MASINI  
Address1: 8300 REPUBLIC AIRPORT, SUITE 200  
Address2: Not reported  
City: FARMINGDALE  
State: NY  
Zip Code: 11735  
Country Code: 001  
Phone: (516) 466-6680  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/6/2014

Site Id: 390141  
Affiliation Type: Mail Contact  
Company Name: ROXANN MANAGEMENT CORP.  
Contact Type: Not reported  
Contact Name: ADAM KATZ  
Address1: 8300 REPUBLIC AIRPORT  
Address2: SUITE 200  
City: FARMINGDALE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL TOWER (Continued)**

**A100317692**

State: NY  
Zip Code: 11735  
Country Code: 001  
Phone: (516) 466-6680  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/6/2014

Site Id: 390141  
Affiliation Type: On-Site Operator  
Company Name: CATHEDRAL TOWER  
Contact Type: Not reported  
Contact Name: JERRY RYNKIEWICZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-5847  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/6/2014

Site Id: 390141  
Affiliation Type: Emergency Contact  
Company Name: CATHEDRAL TOWER CONDOMINIUM  
Contact Type: Not reported  
Contact Name: JERRY RYNKIEWICZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 466-6680  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/6/2014

**Tank Info:**

Tank Number: 001  
Tank Id: 220485  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

**Equipment Records:**

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
I00 - Overfill - None  
L00 - Piping Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CATHEDRAL TOWER (Continued)**

**A100317692**

G02 - Tank Secondary Containment - Vault (w/access)  
 J02 - Dispenser - Suction Dispenser  
 F00 - Pipe External Protection - None  
 B00 - Tank External Protection - None  
 C01 - Pipe Location - Aboveground  
 E00 - Piping Secondary Containment - None  
 K00 - Spill Prevention - None

Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 08/08/1999  
 Capacity Gallons: 7000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: DMMOLOUG  
 Last Modified: 02/06/2014  
 Material Name: #4 Fuel Oil (On-Site Consumption)

**I134**  
**WSW**  
 < 1/8  
 0.090 mi.  
 475 ft.

**CASMA REALTY CORP**  
**947 AMSTERDAM AV**  
**NY, NY 10025**  
**Site 15 of 22 in cluster I**

**NY AST U003387575**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-316946  
 Program Type: PBS  
 UTM X: 587304.34623999998  
 UTM Y: 4517157.0589500004  
 Expiration Date: 07/07/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:  
 Site Id: 14555  
 Affiliation Type: Facility Owner  
 Company Name: CASMA REALTY CORP  
 Contact Type: PRES.  
 Contact Name: JOSEPH LAROCCA  
 Address1: 33-73 157TH STREET  
 Address2: Not reported  
 City: FLUSHING  
 State: NY  
 Zip Code: 11354  
 Country Code: 001  
 Phone: (718) 463-8265  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: KXTANG  
 Date Last Modified: 4/23/2007

Site Id: 14555

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CASMA REALTY CORP (Continued)**

**U003387575**

Affiliation Type: Mail Contact  
Company Name: CASMA REALTY CORP  
Contact Type: Not reported  
Contact Name: JOSPEH LAROCCA  
Address1: 33-73 157TH STREET  
Address2: Not reported  
City: FLUSHING  
State: NY  
Zip Code: 11354  
Country Code: 001  
Phone: (718) 463-8265  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14555  
Affiliation Type: On-Site Operator  
Company Name: CASMA REALTY CORP  
Contact Type: Not reported  
Contact Name: JOSEPH LAROCCA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 463-8265  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14555  
Affiliation Type: Emergency Contact  
Company Name: CASMA REALTY CORP  
Contact Type: Not reported  
Contact Name: JOSEPH LAROCCA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 463-8265  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 12203  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CASMA REALTY CORP (Continued)**

**U003387575**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1960  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/10/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-316946  
SWIS Code: 6201  
Operator: JOSEPH LAROCCA  
Facility Phone: (718) 463-8265  
Facility Addr2: 947 AMSTERDAM AV  
Facility Type: APARTMENT BUILDING  
Emergency: JOSEPH LAROCCA  
Emergency Tel: (718) 463-8265  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CASMA REALTY CORP  
Owner Address: 947 AMSTERDAM AV  
Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (718) 463-8265  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: CASMA REALTY  
Mailing Name: CASMA REALTY CORP  
Mailing Address: 947 AMSTERDAM AV  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Telephone: (718) 445-7650  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CASMA REALTY CORP (Continued)**

**U003387575**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
 Certification Date: 09/17/1997  
 Expiration: 07/07/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 2000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 2000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**F135**      **515 CATHEDRAL PKWY**  
**NNW**      **515 CATHEDRAL PKWY**  
**< 1/8**      **NEW YORK, NY 10025**  
**0.091 mi.**  
**482 ft.**      **Site 23 of 26 in cluster F**

**NY AST**      **U003388378**  
**NY HIST AST**      **N/A**

**Relative:**      **AST:**  
**Higher**      Region:      STATE  
                   DEC Region:      2  
**Actual:**      Site Status:      Active  
**106 ft.**      Facility Id:      2-275239  
                   Program Type:      PBS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

515 CATHEDRAL PKWY (Continued)

U003388378

UTM X: 587399.47730999999  
UTM Y: 4517438.8463899996  
Expiration Date: 02/28/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 11795  
Affiliation Type: Mail Contact  
Company Name: AQUISITION AMERICA VII.LLC  
Contact Type: AGENT  
Contact Name: STEVEN KURLANDER  
Address1: 347 FIFTH AVE STE 1600  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: STEVENFAIRLINE@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11795  
Affiliation Type: On-Site Operator  
Company Name: 515 CATHEDRAL PKWY  
Contact Type: Not reported  
Contact Name: JUAN LARA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-6129  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11795  
Affiliation Type: Emergency Contact  
Company Name: SIMKOWITZ B TRUST C/O METRO MANAGEMENT  
Contact Type: Not reported  
Contact Name: STEVEN KURLANDER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11795

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

515 CATHEDRAL PKWY (Continued)

U003388378

Affiliation Type: Facility Owner  
Company Name: AQUISITION AMERICA VII.LLC  
Contact Type: AGENT  
Contact Name: STEVEN KURLANDER  
Address1: 347 FIFTH AVE STE 1600  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: STEVENFAIRLINE@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Tank Info:

Tank Number: 001  
Tank Id: 13845  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/22/1934  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/28/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-275239  
SWIS Code: 6201  
Operator: BEQIR MEHAJ  
Facility Phone: (212) 932-8206

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

515 CATHEDRAL PKWY (Continued)

U003388378

Facility Addr2: 515 CATHEDRAL PKWY  
Facility Type: APARTMENT BUILDING  
Emergency: BEQIR MEHAJ  
Emergency Tel: (212) 932-8206  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SIMKOWITZ B TRUST C/O METRO MANAGEMENT  
Owner Address: 42-25 21ST STREET  
Owner City,St,Zip: L.I.C., NY 11101  
Federal ID: Not reported  
Owner Tel: (000) 000-0000  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SIMKOWITZ A TRUST  
Mailing Address: C/O METRO MANAGEMENT  
Mailing Address 2: Not reported  
Mailing City,St,Zip: L.I.C., NY 11101  
Mailing Telephone: (718) 706-7755  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/24/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 1  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

515 CATHEDRAL PKWY (Continued)

U003388378

Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

1136  
West  
< 1/8  
0.092 mi.  
484 ft.

ASCENSION CHURCH RECTORY  
221 W 107TH ST  
NEW YORK, NY 10025

NY AST U003389612  
NY HIST AST N/A

Site 16 of 22 in cluster I

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-204439  
Program Type: PBS  
UTM X: 587276.73679999996  
UTM Y: 4517237.44594999996  
Expiration Date: 07/20/2012  
Site Type: Religious Building (Church, Synagogue, Mosque, Temple, etc.)

Affiliation Records:

Site Id: 7105  
Affiliation Type: Facility Owner  
Company Name: CHURCH OF THE ASCENSION  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 221 W 107 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7105  
Affiliation Type: Mail Contact  
Company Name: CHURCH OF THE ASCENSION  
Contact Type: Not reported  
Contact Name: F.I. DUFFELL  
Address1: 221 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH RECTORY (Continued)**

**U003389612**

Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7105  
Affiliation Type: On-Site Operator  
Company Name: CHURCH OF THE ASCENSION  
Contact Type: Not reported  
Contact Name: REV. JOHN DUFFELL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7105  
Affiliation Type: Emergency Contact  
Company Name: CHURCH OF THE ASCENSION  
Contact Type: Not reported  
Contact Name: REV. JOHJN DUFFELL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

**Tank Info:**

Tank Number: 001  
Tank Id: 17009  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH RECTORY (Continued)**

**U003389612**

B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2100  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-204439  
SWIS Code: 6201  
Operator: CORNELIOUS MARQUEZ  
Facility Phone: (212) 222-0666  
Facility Addr2: 221 W 107TH ST  
Facility Type: OTHER  
Emergency: FR DONALD JOHNSTON  
Emergency Tel: (212) 222-0666  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ASCENSION CHURCH RECTORY.  
Owner Address: 221 W 107 ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 222-0666  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RV.JOHN P.DUFFELL PASTOR  
Mailing Name: ROMAN CATHOLIC CHURCH OF ASCENSION.  
Mailing Address: 221 W 107 STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 222-0666  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 08/01/1997  
Expiration: 07/20/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH RECTORY (Continued)**

**U003389612**

Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**I137  
West  
< 1/8  
0.092 mi.  
484 ft.**

**CON EDISON SERVICE BOX 17825  
221 W 107TH ST  
NEW YORK, NY 10025  
Site 17 of 22 in cluster I**

**RCRA NonGen / NLR 1014926579  
NJ MANIFEST NYP004243549  
NY MANIFEST**

**Relative:  
Higher**

RCRA NonGen / NLR:

**Actual:  
109 ft.**

Date form received by agency: 11/23/2011  
Facility name: CON EDISON SERVICE BOX 17825  
Facility address: 221 W 107TH ST  
NEW YORK, NY 10025  
EPA ID: NYP004243549  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: APRIL JACKSON  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 427-5488  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 17825 (Continued)**

**1014926579**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/24/2011  
Site name: CON EDISON SERVICE BOX 17825  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NJ MANIFEST:

EPA Id: NYP004243549  
Mail Address: 4 IRVING PL, RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: APRIL JACKSON  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 003634424JJK  
EPA ID: NYP004243549  
Date Shipped: 10/24/2011  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 17825 (Continued)**

**1014926579**

Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: Not reported  
Generator EPA Facility Name: CONSOLIDATED EDISON CO OF NY SB #17825  
Transporter-1 EPA Facility Name: CLEAN VENTURE, INC  
TSDf EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 10/24/2011  
Waste SEQ ID: 1.00  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 10/24/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111  
Quantity: 500.00 Pounds

NY MANIFEST:

EPA ID: NYP004243549  
Country: USA  
Location Address 1: AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONED  
Contact: CONED  
Address: 4 IRVING PLACE  
Address 2: 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10004  
Country: USA  
Phone: Not reported

Manifest:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON SERVICE BOX 17825 (Continued)**

**1014926579**

Document ID: Not reported  
 Manifest Status: Not reported  
 Trans1 State ID: NJ0000027193  
 Trans2 State ID: Not reported  
 Generator Ship Date: 10/24/2011  
 Trans1 Recv Date: 10/24/2011  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 10/24/2011  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYP004243549  
 Trans1 EPA ID: Not reported  
 Trans2 EPA ID: Not reported  
 TSD ID: NJD002200046  
 Waste Code: Not reported  
 Quantity: 500.0  
 Units: P - Pounds  
 Number of Containers: 1.0  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 1.0  
 Year: 2011  
 Manifest Tracking Num: 003634424JJK  
 Import Ind: N  
 Export Ind: N  
 Discr Quantity Ind: N  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H111

1138  
 West  
 < 1/8  
 0.092 mi.  
 484 ft.

**ASCENSION CHURCH**  
**221 WEST 107TH ST**  
**MANHATTAN, NY**  
**Site 18 of 22 in cluster I**

**NY LTANKS** **S105235011**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

LTANKS:

Site ID: 212569  
 Spill Number/Closed Date: 9209757 / 12/27/2002  
 Spill Date: 11/21/1992  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: SJMILLER  
 Referred To: Not reported  
 Reported to Dept: 11/21/1992  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Other

**Actual:**  
**109 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH (Continued)**

**S105235011**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/9/1992  
Spill Record Last Update: 12/27/2002  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 176096  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"  
Remarks: DEFECTIVE TANK GAUGE-OIL ON SOIL ON BASEMENT FLOOR CASTLE OIL TO DO CLEANUP-NO CALLBACK NECESSARY

**Material:**

Site ID: 212569  
Operable Unit ID: 973569  
Operable Unit: 01  
Material ID: 557084  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 30  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 212570  
Spill Number/Closed Date: 9212009 / 12/27/2002  
Spill Date: 1/21/1993  
Spill Cause: Tank Overfill  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 1/21/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH (Continued)**

**S105235011**

Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/28/1993  
Spill Record Last Update: 12/27/2002  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 176096  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"MILLER"

Remarks: 3K TANK-DRIVER ATTEMPTED DELIVERY OF 1500 GALS OIL WAS DISCOVERED ON BASEMENT FLOOR-GAUGE READ 2640 GALS AFTER DELIVERY-TANK OVERFULL-SPILL CREW ON SITE TO CLEANUP WILL REPAIR GAUGE

Material:

Site ID: 212570  
Operable Unit ID: 978880  
Operable Unit: 01  
Material ID: 405386  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 0005210  
Facility Type: ER  
DER Facility ID: 138190  
Site ID: 163854  
DEC Region: 2  
Spill Date: 8/1/1999  
Spill Number/Closed Date: 0005210 / 5/3/2004  
Spill Cause: Deliberate  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 8/1/2000  
CID: 382  
Water Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH (Continued)**

**S105235011**

Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/1/2000  
Spill Record Last Update: 5/3/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN CONSTRUCTION CO  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: CORNELIUS MARQUES  
Contact Phone: (212) 222-0666  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"5/3/04 - AUSTIN - ORIG. ASSIGNED TO SACCACIO - REPORT FROM 4 YRS AGO (ON SPILL THAT OCCURRED A YEAR EARLIER?) - NO FURTHER INFO - DATA SEARCH FOUND OTHER UNRELATED SPILL EVENTS FOR SAME SITE - CLOSE - END

Remarks: CALLER STATES THAT OIL MIXED WITH WATER IS FILLING THE BASEMENT OF ABOVE LOCATION. COMING FROM CONSTRUCTION SITE NEXT DOOR

Material:

Site ID: 163854  
Operable Unit ID: 827798  
Operable Unit: 01  
Material ID: 549941  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0109063  
Facility Type: ER  
DER Facility ID: 138190  
Site ID: 163855  
DEC Region: 2  
Spill Date: 12/12/2001  
Spill Number/Closed Date: 0109063 / 12/26/2001  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JAKOLLEE  
Referred To: Not reported  
Reported to Dept: 12/12/2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH (Continued)**

**S105235011**

CID: 211  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/12/2001  
Spill Record Last Update: 12/26/2001  
Spiller Name: ROBERT HILL  
Spiller Company: Not reported  
Spiller Address: 221 WEST 107TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: ROBERT HILL  
Contact Phone: (718) 579-3414  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY"DEC'S KOLLEENY SPOKE TO TIMOTHY OF ASCENSION CHURCH (212-222-0666), HE SAID R & D WAS GOING TO TEST THE TANK AND WANTED TO HAVE IT TOPPED OFF PRIOR TO TEST. KOLLEENY ALSO SPOKE TO JIM CAREY OF CASTLE OIL, WHO SAID GAUGE READ 600 GAL., CUSTOMER ORDERED 1,500 GALS, SPILL OCCURRED AFTER ABOUT 1,300 GALS HAD BEEN DELIVERED. SPILLED OUT VENT PIPE ONTO SIDEWALK, A LITTLE ALSO SPILLED IN BASEMENT; CASTLE OIL PERFORMED CLEANUP. CASTLE THOUGHT TANK HELD 2,500, BUT OUR REGISTRATION SAYS IT'S A 2,000-GAL TANK. KOLLEENY INFORMED CASTLE OF THIS, THEY MEASURED TANK AND CONFIRMED OUR PBS DATA THAT IT'S ~2,000. THEY STILL MAINTAIN GAUGE IS FAULTY AND HAVE SENT A LETTER TO THE CHURCH RECOMMENDING THEY REPLACE IT; CASTLE AWAITING APPROVAL OF DIOCESE.

Remarks: DEFECTIVE GAUGE ON BUILDING LED TO OVERFILL - CLEAN UP CREW ON SCENE

**Material:**

Site ID: 163855  
Operable Unit ID: 847351  
Operable Unit: 01  
Material ID: 530275  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1139**  
**West**  
**< 1/8**  
**0.092 mi.**  
**484 ft.**

**CHURCH**  
**221 W 107TH ST**  
**MANHATTAN, NY**  
**Site 19 of 22 in cluster I**

**NY Spills**    **S106010792**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0210493  
 Facility Type: ER  
 DER Facility ID: 87195  
 Site ID: 97950  
 DEC Region: 2  
 Spill Date: 1/18/2003  
 Spill Number/Closed Date: 0210493 / 11/14/2003  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**109 ft.**

**SWIS:**

Investigator: JXZHAO  
 Referred To: Not reported  
 Reported to Dept: 1/18/2003  
 CID: 365  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/18/2003  
 Spill Record Last Update: 11/14/2003  
 Spiller Name: FRANK AMATO  
 Spiller Company: BLT FUEL TRANSPORTER  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ -  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHAO"1/21/2003 - Zhao responded to scene off hours. Spill contained and frozed on surface of concrete. BLT crew did initial clean up and Petroleum Tank Cleaner completed it.- Need to show a valid PBS registration and with satisfaction of property representative to close out the spill. (PBS 2-204439 expired on 7/20/2002 and father perell will call back) jz- PBS registration is renewed.

**Remarks:**

went into a pit in the boiler room - callers co is enroute for the clean up

**Material:**

Site ID: 97950  
 Operable Unit ID: 863920  
 Operable Unit: 01  
 Material ID: 513873  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHURCH (Continued)**

**S106010792**

Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**J140**  
**SE**  
**< 1/8**  
**0.092 mi.**  
**488 ft.**

**JODANI ASSOCIATES**  
**68 WEST 107TH STREET**  
**NEW YORK, NY 10025**  
**Site 2 of 15 in cluster J**

**NY AST** **A100178109**  
**N/A**

**Relative:**  
**Lower**

AST:

**Actual:**  
**72 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-605853  
Program Type: PBS  
UTM X: 587624.34415000002  
UTM Y: 4517037.6096700002  
Expiration Date: 05/10/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 27719  
Affiliation Type: Facility Owner  
Company Name: JODANI ASSOCIATES  
Contact Type: EXECUTIVE DIRECTOR  
Contact Name: HOWARD KLEINBAUM  
Address1: C/O ALPERT DEVELOPMENT GROUP 1 PARKER PL  
Address2: Not reported  
City: FORT LEE  
State: NJ  
Zip Code: 07024  
Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/1/2006

Site Id: 27719  
Affiliation Type: Mail Contact  
Company Name: ALPERT DEVELOPMENT GROUP LLC  
Contact Type: Not reported  
Contact Name: SEYMOUR ALPERT  
Address1: ONE PARKER PLAZA  
Address2: Not reported  
City: FORT LEE  
State: NJ  
Zip Code: 07024  
Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JODANI ASSOCIATES (Continued)**

**A100178109**

Date Last Modified: 12/29/2005  
  
Site Id: 27719  
Affiliation Type: On-Site Operator  
Company Name: JODANI ASSOCIATES  
Contact Type: Not reported  
Contact Name: PORFIRIO MELENDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2681  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 27719  
Affiliation Type: Emergency Contact  
Company Name: JODANI ASSOCIATES  
Contact Type: Not reported  
Contact Name: HOWARD KLEINBAUM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 60580  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

JODANI ASSOCIATES (Continued)

A100178109

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/1976  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 02/24/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

L141  
SSE  
< 1/8  
0.093 mi.  
492 ft.

EJ'S BUCKET BUDDIES INC  
947 COLUMBUS AVE  
NY, NY 10016  
Site 1 of 25 in cluster L

NY AST U004180303  
N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-611563  
Program Type: PBS  
UTM X: 587508.90364999999  
UTM Y: 4517010.7630899996  
Expiration Date: 03/02/2020  
Site Type: Apartment Building/Office Building

Actual:  
96 ft.

Affiliation Records:  
Site Id: 447608  
Affiliation Type: Facility Owner  
Company Name: EJS BUCKET BUDDIES INC C/O NYC MGT  
Contact Type: AUTHORIZED REPRESENTATIVE  
Contact Name: J. CATALIC  
Address1: 381 PARK AVE SOUTH #1515  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 689-8833  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 2/19/2015

Site Id: 447608  
Affiliation Type: Mail Contact  
Company Name: EJS BUCKET BUDDIES INC C/O NYC MGT  
Contact Type: Not reported  
Contact Name: JOHN CATALIC  
Address1: 381 PARK AVE SOUTH  
Address2: 15TH FLR  
City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EJ'S BUCKET BUDDIES INC (Continued)**

**U004180303**

State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 689-8833  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 2/19/2015

Site Id: 447608  
Affiliation Type: On-Site Operator  
Company Name: EJS BUCKET BUDDIES INC  
Contact Type: Not reported  
Contact Name: ENIS CECUNJA-NIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (914) 494-1881  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 2/19/2015

Site Id: 447608  
Affiliation Type: Emergency Contact  
Company Name: EJS BUCKET BUDDIES INC C/O NYC MGT  
Contact Type: Not reported  
Contact Name: J. CATALIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 689-8833  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 2/19/2015

**Tank Info:**

Tank Number: 001  
Tank Id: 238700  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
H05 - Tank Leak Detection - In-Tank System (ATG)

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EJ'S BUCKET BUDDIES INC (Continued)**

**U004180303**

L02 - Piping Leak Detection - Interstitial - Manual Monitoring  
 B01 - Tank External Protection - Painted/Asphalt Coating  
 K01 - Spill Prevention - Catch Basin  
 C01 - Pipe Location - Aboveground  
 E00 - Piping Secondary Containment - None  
 F01 - Pipe External Protection - Painted/Asphalt Coating  
 I01 - Overfill - Float Vent Valve

Tank Location: 6  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 01/01/1949  
 Capacity Gallons: 2000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: NTFREEMA  
 Last Modified: 02/19/2015  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**F142**  
**NW**  
 < 1/8  
 0.094 mi.  
 495 ft.

**237 W 109TH ST OWNERS CORP**  
**237 W 109TH ST**  
**NEW YORK, NY 10025**  
 Site 24 of 26 in cluster F

**NY AST** **U003390776**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-323292  
 Program Type: PBS  
 UTM X: 587311.26645999996  
 UTM Y: 4517399.9456700003  
 Expiration Date: 08/28/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
 Site Id: 15100  
 Affiliation Type: Facility Owner  
 Company Name: 237 W 109TH ST OWNERS CORP  
 Contact Type: MANAGING AGENT  
 Contact Name: NIKOLAOS LEONARDOS  
 Address1: 308 84TH STREET  
 Address2: Not reported  
 City: BROOKLYN  
 State: NY  
 Zip Code: 11209  
 Country Code: 001  
 Phone: (718) 238-7297  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: KAKYER  
 Date Last Modified: 6/11/2007

Site Id: 15100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**237 W 109TH ST OWNERS CORP (Continued)**

**U003390776**

Affiliation Type: Mail Contact  
Company Name: DAFNONAS ESTATES LTD  
Contact Type: Not reported  
Contact Name: NIKOLAOS LEONARDOS  
Address1: 308 84TH STREET  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11209  
Country Code: 001  
Phone: (718) 238-7297  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 9/10/2012

Site Id: 15100  
Affiliation Type: On-Site Operator  
Company Name: 237 WEST 109TH ST OWNERS CORP  
Contact Type: Not reported  
Contact Name: NIKOLAOS LEONARDOS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 238-7297  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 15100  
Affiliation Type: Emergency Contact  
Company Name: 237 W 109TH ST OWNERS CORP  
Contact Type: Not reported  
Contact Name: DAFNONAS ESTATES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 238-7297  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 20031  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**237 W 109TH ST OWNERS CORP (Continued)**

**U003390776**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1905  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 06/11/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-323292  
SWIS Code: 6201  
Operator: JOSEPH G. RAPPAPORT  
Facility Phone: (212) 662-4449  
Facility Addr2: 237 W 109TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: JOSEPH G. RAPPAPORT  
Emergency Tel: (212) 349-6460  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 237 W 109TH ST OWNERS CORP  
Owner Address: 280 MADISON AVE. C/O DAVID FILOSA  
Owner City,St,Zip: NEW YORK, NY 10016  
Federal ID: Not reported  
Owner Tel: (212) 725-5190  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: DAVID FILOSA  
Mailing Name: 237 W 109TH ST OWNERS CORP  
Mailing Address: C/O BAILEY & FILOSA  
Mailing Address 2: 280 MADISON AVENUE, SUITE 404  
Mailing City,St,Zip: NEW YORK, NY 10016  
Mailing Telephone: (212) 725-5190  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**237 W 109TH ST OWNERS CORP (Continued)**

**U003390776**

Certification Flag: False  
 Certification Date: 11/18/1998  
 Expiration: 08/28/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 3000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

J143  
 ESE  
 < 1/8  
 0.094 mi.  
 496 ft.

**66 W 109 ST**  
**66 W 109 ST**  
**NY, NY 10025**  
**Site 3 of 15 in cluster J**

**NY AST U003393421**  
**NY HIST AST N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Inactive  
 Facility Id: 2-277959  
 Program Type: PBS  
 UTM X: 587702.3075  
 UTM Y: 4517179.643009998

**Actual:**  
**62 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**66 W 109 ST (Continued)**

**U003393421**

Expiration Date: 10/29/2002  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 12029  
Affiliation Type: Facility Owner  
Company Name: MORE COUSINS LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 215 W 83RD ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-6400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12029  
Affiliation Type: Mail Contact  
Company Name: MORE COUSINS LLC  
Contact Type: Not reported  
Contact Name: SCOTT SHURGIN  
Address1: 215 WEST 83RD STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-6400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12029  
Affiliation Type: On-Site Operator  
Company Name: 66 W 109 ST  
Contact Type: Not reported  
Contact Name: ELROY-HO-A-LIM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 665-7281  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12029  
Affiliation Type: Emergency Contact  
Company Name: MORE COUSINS LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**66 W 109 ST (Continued)**

**U003393421**

Contact Type: Not reported  
Contact Name: SCOTT SHURGIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 874-6400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 28068  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 08/02/2002  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-277959  
SWIS Code: 6201  
Operator: SCOTT SHURGIN  
Facility Phone: (212) 874-6400  
Facility Addr2: 66 W 109 ST  
Facility Type: APARTMENT BUILDING  
Emergency: SCOTT SHURGIN  
Emergency Tel: (212) 874-6400  
Old PBSNO: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

66 W 109 ST (Continued)

U003393421

Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: WEST 109TH STREET ASSOC.  
Owner Address: 66-70 WEST 109TH ST  
Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 924-9111  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SCOTT SHURGAN  
Mailing Name: ARTHUR LEEDS MGMT.  
Mailing Address: 215 WEST 83RD STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 874-6400  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 09/25/1997  
Expiration: 10/29/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Not reported  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**66 W 109 ST (Continued)**

**U003393421**

Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**J144  
ESE  
< 1/8  
0.094 mi.  
496 ft.**

**66-70 WEST 109TH STREET  
66 WEST 109TH STREET  
NEW YORK, NY 10025**

**NY AST A100173563  
N/A**

**Site 4 of 15 in cluster J**

**Relative:  
Lower**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-604784  
Program Type: PBS  
UTM X: 587695.42839999998  
UTM Y: 4517183.4472000003  
Expiration Date: 05/17/2016  
Site Type: Apartment Building/Office Building

**Actual:  
62 ft.**

**Affiliation Records:**

Site Id: 26653  
Affiliation Type: Mail Contact  
Company Name: KIZNER ASSOCIATES INC.  
Contact Type: Not reported  
Contact Name: JOSEPH KIZNER  
Address1: 133 WEST 72ND STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 873-0368  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/3/2011

Site Id: 26653  
Affiliation Type: On-Site Operator  
Company Name: 66-70 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: OSCAR LIMA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 334-8340  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/5/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**66-70 WEST 109TH STREET (Continued)**

**A100173563**

Site Id: 26653  
Affiliation Type: Emergency Contact  
Company Name: CANTOR PROPERTIES, LLC  
Contact Type: Not reported  
Contact Name: JOSEPH KIZNER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 873-0368  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/15/2007

Site Id: 26653  
Affiliation Type: Facility Owner  
Company Name: CANTOR PROPERTIES, LLC  
Contact Type: AGENT  
Contact Name: CANTOR PROPERTIES LLS  
Address1: 133 WEST 72ND STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 873-0368  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/5/2011

Tank Info:

Tank Number: 001  
Tank Id: 58877  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F05 - Pipe External Protection - Jacketed  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**66-70 WEST 109TH STREET (Continued)**

**A100173563**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1905  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/05/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**F145 520 WEST 110TH CONDOMINIUM**  
**NNW 520 WEST 110TH ST**  
**< 1/8 NEW YORK, NY 10025**  
**0.095 mi.**  
**500 ft. Site 25 of 26 in cluster F**

**NY AST U004076306**  
**N/A**

**Relative:**  
**Higher**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-094870  
Program Type: PBS  
UTM X: 587380.96106  
UTM Y: 4517435.0748300003  
Expiration Date: 01/30/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

**Affiliation Records:**  
Site Id: 2598  
Affiliation Type: Facility Owner  
Company Name: THE 520 WEST 110 CONDOMINIUM  
Contact Type: PROPERTY MANAGER  
Contact Name: BARRY BENAMI  
Address1: 520 WEST 110TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 896-8600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/10/2011

Site Id: 2598  
Affiliation Type: Mail Contact  
Company Name: ARGO REAL ESATE LLC  
Contact Type: Not reported  
Contact Name: BARRY BENAMI  
Address1: 50 W 17TH ST 7TH FLR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**520 WEST 110TH CONDOMINIUM (Continued)**

**U004076306**

Country Code: 001  
Phone: (212) 896-8600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/10/2011

Site Id: 2598  
Affiliation Type: On-Site Operator  
Company Name: 520 WEST 110TH CONDOMINIUM  
Contact Type: Not reported  
Contact Name: JOAQUIN RUIZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 734-6561  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/10/2010

Site Id: 2598  
Affiliation Type: Emergency Contact  
Company Name: THE 520 WEST 110 CONDOMINIUM  
Contact Type: Not reported  
Contact Name: JOAQUIN RUIZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 734-6561  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/10/2010

Tank Info:

Tank Number: 001  
Tank Id: 4488  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**520 WEST 110TH CONDOMINIUM (Continued)**

**U004076306**

L09 - Piping Leak Detection - Exempt Suction Piping  
 E02 - Piping Secondary Containment - Vault (with Access)  
 B00 - Tank External Protection - None  
 H00 - Tank Leak Detection - None  
 K00 - Spill Prevention - None

Tank Location: 6  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 07/01/1999  
 Capacity Gallons: 3000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: MSBAPTIS  
 Last Modified: 08/10/2010  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**F146**  
**NNW**  
**< 1/8**  
**0.095 mi.**  
**500 ft.**

**520 WEST 110TH CONDO**  
**520 WEST 110TH ST**  
**NEW YORK, NY 10020**

**NY HIST AST** **U001832448**  
**NY Spills** **N/A**

**Site 26 of 26 in cluster F**

**Relative:**  
**Higher**

HIST AST:

**Actual:**  
**106 ft.**

PBS Number: 2-094870  
 SWIS Code: 6201  
 Operator: SERGIO HIRALDO  
 Facility Phone: (212) 866-2013  
 Facility Addr2: 520 WEST 110TH ST  
 Facility Type: APARTMENT BUILDING  
 Emergency: SERGIO HIRALDO  
 Emergency Tel: (212) 866-2013  
 Old PBSNO: Not reported  
 Date Inspected: Not reported  
 Inspector: Not reported  
 Result of Inspection: Not reported  
 Owner Name: BUCHBINDER & WARREN  
 Owner Address: 1 UNION SQUARE WEST  
 Owner City,St,Zip: NEW YORK, NY 10003  
 Federal ID: Not reported  
 Owner Tel: (212) 866-2013  
 Owner Type: Corporate/Commercial  
 Owner Subtype: Not reported  
 Mailing Contact: Not reported  
 Mailing Name: THE 520 WEST 110TH CONDOMINIUM  
 Mailing Address: C/O BUCHBINDER & WARREN  
 Mailing Address 2: 1 UNION SQUARE WEST  
 Mailing City,St,Zip: NEW YORK, NY 10003  
 Mailing Telephone: (212) 866-2013  
 Owner Mark: First Owner  
 Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
 Certification Flag: False  
 Certification Date: 05/13/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**520 WEST 110TH CONDO (Continued)**

**U001832448**

Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**SPILLS:**

Facility ID: 9506543  
Facility Type: ER  
DER Facility ID: 197731  
Site ID: 240439  
DEC Region: 2  
Spill Date: 8/28/1995  
Spill Number/Closed Date: 9506543 / 8/28/1995  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 8/28/1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

520 WEST 110TH CONDO (Continued)

U001832448

CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party  
Cleanup Ceased: 8/28/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/2/1995  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: COASTAL REFINING  
Spiller Address: 31-70 COLLEGE POINT BLVD  
Spiller City,St,Zip: FLUSHING, NY 11354  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

Remarks: OVERFILL - CAME OUT OF VENT

Material:

Site ID: 240439  
Operable Unit ID: 1021307  
Operable Unit: 01  
Material ID: 364504  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

1147  
WSW  
< 1/8  
0.095 mi.  
502 ft.

NYCHA - AUDUBON BETHUNE  
945 AMSTERDAM AVE  
NEW YORK, NY 10032  
Site 20 of 22 in cluster I

RCRA NonGen / NLR 1001224090  
FINDS NYR000053066

Relative:  
Higher

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: NYCHA - AUDUBON BETHUNE  
Facility address: 945 AMSTERDAM AVE  
NEW YORK, NY 10032  
EPA ID: NYR000053066  
Mailing address: BROADWAY  
NEW YORK, NY 10007  
Contact: Not reported  
Contact address: BROADWAY  
NEW YORK, NY 10007

Actual:  
106 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCHA - AUDUBON BETHUNE (Continued)**

**1001224090**

Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NYCHA  
Owner/operator address: 250 BROADWAY 16TH FLOOR  
NEW YORK, NY 10007

Owner/operator country: US  
Owner/operator telephone: (212) 306-3229  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NYCHA  
Owner/operator address: 250 BROADWAY 16TH FLOOR  
NEW YORK, NY 10007

Owner/operator country: US  
Owner/operator telephone: (212) 306-3229  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: NYCHA - AUDUBON BETHUNE  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: NYCHA - AUDUBON BETHUNE  
Classification: Not a generator, verified

Date form received by agency: 04/02/1998  
Site name: NYCHA - AUDUBON BETHUNE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYCHA - AUDUBON BETHUNE (Continued)**

**1001224090**

Classification: Small Quantity Generator  
 . Waste code: NONE  
 . Waste name: None  
 Violation Status: No violations found

**FINDS:**

Registry ID: 110004541924

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**J148  
 SE  
 < 1/8  
 0.097 mi.  
 510 ft.**

**APARTMENT BLDG  
 64 WEST 107TH ST  
 MANHATTAN, NY  
 Site 5 of 15 in cluster J**

**NY Spills S110612135  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

**Actual:  
 71 ft.**

Facility ID: 1008608  
 Facility Type: ER  
 DER Facility ID: 397135  
 Site ID: 442105  
 DEC Region: 2  
 Spill Date: 11/16/2010  
 Spill Number/Closed Date: 1008608 / 11/17/2010  
 Spill Cause: Equipment Failure  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: hrpatel  
 Referred To: Not reported  
 Reported to Dept: 11/16/2010  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Private Dwelling  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/16/2010  
 Spill Record Last Update: 11/17/2010  
 Spiller Name: CASTLE OIL CORP  
 Spiller Company: CASENOVA FUELS  
 Spiller Address: 64 WEST 107TH ST  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 999  
 Contact Name: CASTLE OIL CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BLDG (Continued)**

**S110612135**

Contact Phone: (718) 579-3410  
DEC Memo: 11/17/10-Hiralkumar Patel.9:28 AM:- spoke with Rob Hill at Castle. Castle oil hired Casenova Fuel to deliver oil at the building. before delivery begins, the hose on pump broke and spilled about 10-15 gal oil on street only. spill was cleaned up by Casenova and Castle crew.9:33 AM:- spoke with Perfirio (917-573-8760), building super. he mentioned that oil sprayed on two cars and street, but all cleaned up last nightcase closed.  
Remarks: Delivery vehicle for Casenova Fuel hose broke when pumping delivery into tank. Spill onto sidewalk. No resource affected. Cleanup crew in route.

Material:  
Site ID: 442105  
Operable Unit ID: 1192635  
Operable Unit: 01  
Material ID: 2187968  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 12  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

J149  
SE  
< 1/8  
0.097 mi.  
510 ft.

**SUEHAR ASSOCIATES  
64 WEST 107TH STREET  
NEW YORK, NY 10025**

**NY AST A100178107  
N/A**

**Site 6 of 15 in cluster J**

**Relative:  
Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-605850  
Program Type: PBS  
UTM X: 587631.56078000006  
UTM Y: 4517033.8094199998  
Expiration Date: 05/09/2016  
Site Type: Apartment Building/Office Building

**Actual:  
71 ft.**

Affiliation Records:  
Site Id: 27716  
Affiliation Type: Facility Owner  
Company Name: SUEHAR ASSOCIATES  
Contact Type: EXECUTIVE DIRECTOR  
Contact Name: HOWARD KLELAIBAUM  
Address1: C/O ALBERT DEV. GROUP, 1 PARKER PLAZA  
Address2: Not reported  
City: FORT LEE  
State: NJ  
Zip Code: 07024

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUEHAR ASSOCIATES (Continued)**

**A100178107**

Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/1/2006

Site Id: 27716  
Affiliation Type: Mail Contact  
Company Name: ALPERT DEVELOPMENT GROUP LLC  
Contact Type: Not reported  
Contact Name: SEYMOUR ALPERT  
Address1: ONE PARKER PLAZA  
Address2: Not reported  
City: FORT LEE  
State: NJ  
Zip Code: 07024  
Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/29/2005

Site Id: 27716  
Affiliation Type: On-Site Operator  
Company Name: SUEHAR ASSOCIATES  
Contact Type: Not reported  
Contact Name: PORFORIO MELENDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2681  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 27716  
Affiliation Type: Emergency Contact  
Company Name: SUEHAR ASSOCIATES  
Contact Type: Not reported  
Contact Name: HOWARD KLELAIBAUM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (201) 461-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUEHAR ASSOCIATES (Continued)**

**A100178107**

Tank Info:

Tank Number: 001  
Tank Id: 60571  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: 12/01/1972  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 02/11/2010  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/09/2010  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 233263  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

L00 - Piping Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
K01 - Spill Prevention - Catch Basin  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/27/2008  
Capacity Gallons: 4000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUEHAR ASSOCIATES (Continued)**

**A100178107**

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 02/24/2011  
Material Name: #4 Fuel Oil (On-Site Consumption)

**K150**      **241 W 108 ST**  
**WNW**      **241 W 108 ST**  
**< 1/8**      **NEW YORK, NY 10025**  
**0.097 mi.**  
**510 ft.**      **Site 2 of 8 in cluster K**

**NY AST**      **U004077104**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-213705  
Program Type: PBS  
UTM X: 587264.62973000004  
UTM Y: 4517334.0031599998  
Expiration Date: 06/30/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**110 ft.**

Affiliation Records:  
Site Id: 7896  
Affiliation Type: Facility Owner  
Company Name: 241 WEST 108 ST LTD C/O SANDBER MGMT  
Contact Type: AGENT  
Contact Name: JOHN MASINI  
Address1: 345 7TH AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 368-0494  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/12/2012

Site Id: 7896  
Affiliation Type: Mail Contact  
Company Name: 241 WEST 108 ST LTD  
Contact Type: Not reported  
Contact Name: SANDBERG MGMT  
Address1: 345 7TH AVE 8TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 268-0494  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

241 W 108 ST (Continued)

U004077104

Modified By: MSBAPTIS  
Date Last Modified: 6/12/2012

Site Id: 7896  
Affiliation Type: On-Site Operator  
Company Name: 241 W 108 ST  
Contact Type: Not reported  
Contact Name: ED DEMAJ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-1785  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/19/2007

Site Id: 7896  
Affiliation Type: Emergency Contact  
Company Name: 241 WEST 108 ST LTD  
Contact Type: Not reported  
Contact Name: BILL HARRA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 307-0500 226  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/19/2007

Tank Info:

Tank Number: 001  
Tank Id: 9800  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**241 W 108 ST (Continued)**

**U004077104**

H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
6  
Tank Location:  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/11/1985  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 06/12/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

**M151  
ESE  
< 1/8  
0.097 mi.  
513 ft.**

**CON EDISON  
64 W 109 ST  
NEW YORK, NY 10025  
Site 1 of 5 in cluster M**

**NY MANIFEST S117318066  
N/A**

**Relative:  
Lower**

NY MANIFEST:  
EPA ID: NYP004655619  
Country: USA  
Location Address 1: 64 W 109 ST  
Location Address 2: M 18098  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:  
61 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 09/12/2014  
Trans1 Recv Date: 09/12/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/12/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004655619  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117318066**

Waste Code: Not reported  
Quantity: 700  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002609524GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

L152  
SSE  
< 1/8  
0.098 mi.  
515 ft.

942 COLUMBUS AV  
942 COLUMBUS AV  
NYC, NY 10025  
Site 2 of 25 in cluster L

NY AST U003395219  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-479624  
Program Type: PBS  
UTM X: 587532.38049999997  
UTM Y: 4517023.19783  
Expiration Date: 01/12/1995  
Site Type: Unknown

Actual:  
98 ft.

Affiliation Records:  
Site Id: 21366  
Affiliation Type: Facility Owner  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21366  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

942 COLUMBUS AV (Continued)

U003395219

Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21366  
Affiliation Type: On-Site Operator  
Company Name: 942 COLUMBUS AV  
Contact Type: Not reported  
Contact Name: NYC HPD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21366  
Affiliation Type: Emergency Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: J ARSENEC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 360-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 38725  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

942 COLUMBUS AV (Continued)

U003395219

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479624  
SWIS Code: 6201  
Operator: NYC HPD  
Facility Phone: (212) 806-8565  
Facility Addr2: 942 COLUMBUS AV  
Facility Type: Not reported  
Emergency: J ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HPD  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NYC, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NYC HPD  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10038  
Mailing Telephone: (212) 806-8565  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

942 COLUMBUS AV (Continued)

U003395219

Certification Flag: False  
Certification Date: 01/26/1990  
Expiration: 01/12/1995  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

L153  
SSE  
< 1/8  
0.098 mi.  
515 ft.

CLE CLEANER  
942 COLUMBUS AVE  
NEW YORK, NY 10025

RCRA NonGen / NLR 1000107288  
FINDS NYD117503839

Site 3 of 25 in cluster L

Relative:  
Higher

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: CLE CLEANER  
Facility address: 942 COLUMBUS AVE  
NEW YORK, NY 10025  
EPA ID: NYD117503839  
Mailing address: COLUMBUS AVE  
NEW YORK, NY 10025

Actual:  
98 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLE CLEANER (Continued)**

**1000107288**

Contact: Not reported  
Contact address: COLUMBUS AVE  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JOSE NODAL  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: JOSE NODAL  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: CLE CLEANER  
Classification: Not a generator, verified

Date form received by agency: 04/10/1995  
Site name: CLE CLEANER  
Classification: Unverified

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLE CLEANER (Continued)**

**1000107288**

. Waste code: NONE  
. Waste name: None

Date form received by agency: 09/10/1986  
Site name: CLE CLEANER  
Classification: Large Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110004381231

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

1154  
WSW  
< 1/8  
0.098 mi.  
515 ft.

940 AMSTERDAM AVENUE  
940 AMSTERDAM AVENUE  
NEW YORK, NY 10025  
**Site 21 of 22 in cluster I**

NY AST U003384249  
NY HIST AST N/A

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-089427  
Program Type: PBS  
UTM X: 587286.96258000005  
UTM Y: 4517150.1924000001  
Expiration Date: 03/24/2017  
Site Type: Apartment Building/Office Building

**Actual:  
106 ft.**

Affiliation Records:  
Site Id: 2114  
Affiliation Type: Facility Owner  
Company Name: 940 AMSTERDAM CORP  
Contact Type: PRESIDENT  
Contact Name: RHEA VOGEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**940 AMSTERDAM AVENUE (Continued)**

**U003384249**

Address1: 68 HIGH TOR ROAD  
Address2: Not reported  
City: NEW CITY  
State: NY  
Zip Code: 10956  
Country Code: 001  
Phone: (845) 639-1932  
EMail: RHEAV@OPTONLINE.NET  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 3/27/2012

Site Id: 2114  
Affiliation Type: Mail Contact  
Company Name: 940 AMSTERDAM CORP  
Contact Type: PRESIDENT  
Contact Name: RHEA VOGEL  
Address1: 68 HIGH TOR ROAD  
Address2: Not reported  
City: NEW CITY  
State: NY  
Zip Code: 10956  
Country Code: 001  
Phone: (845) 639-1932  
EMail: RHEAV@OPTONLINE.NET  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 3/27/2012

Site Id: 2114  
Affiliation Type: On-Site Operator  
Company Name: 940 AMSTERDAM AVENUE  
Contact Type: Not reported  
Contact Name: GUSTAVO ARISTIZABAL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-6588  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 7/3/2007

Site Id: 2114  
Affiliation Type: Emergency Contact  
Company Name: 940 AMSTERDAM CORP  
Contact Type: Not reported  
Contact Name: RHEA VOGEL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**940 AMSTERDAM AVENUE (Continued)**

**U003384249**

Phone: (845) 639-1932  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 7/3/2007

Tank Info:

Tank Number: 001  
Tank Id: 3382  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
B05 - Tank External Protection - Jacketed

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1953  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 03/27/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-089427  
SWIS Code: 6201  
Operator: CARLOS PEREZ  
Facility Phone: (212) 866-6430  
Facility Addr2: 940 AMSTERDAM AVENUE  
Facility Type: APARTMENT BUILDING  
Emergency: RHEA VOGEL  
Emergency Tel: (914) 639-1932  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 940 AMSTERDAM CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**940 AMSTERDAM AVENUE (Continued)**

**U003384249**

Owner Address: 17 TERMAKAY DRIVE  
Owner City,St,Zip: NEW CITY, NY 10956  
Federal ID: Not reported  
Owner Tel: (914) 639-1932  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RHEA VOGEL  
Mailing Name: 940 AMSTERDAM CORP  
Mailing Address: 17 TERMAKAY DRIVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW CITY, NY 10956  
Mailing Telephone: (914) 639-1932  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/30/2000  
Expiration: 03/24/2002  
Renew Flag: False  
Renew Date: 11/13/2001  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**940 AMSTERDAM AVENUE (Continued)**

**U003384249**

SPDES Number: Not reported  
Lat/Long: Not reported

**N155  
NNW  
< 1/8  
0.099 mi.  
521 ft.**

**110 HOLDING CORP  
501 W 110TH ST  
NEW YORK, NY 10025  
Site 1 of 22 in cluster N**

**RCRA NonGen / NLR 1000981390  
FINDS NY0000987529  
NY MANIFEST**

**Relative:  
Higher**

RCRA NonGen / NLR:

**Actual:  
107 ft.**

Date form received by agency: 01/01/2007  
Facility name: 110 HOLDING CORP  
Facility address: 501 W 110TH ST  
NEW YORK, NY 10025  
EPA ID: NY0000987529  
Mailing address: PENN PLZ SUITE 1810  
NEW YORK, NY 10001  
Contact: Not reported  
Contact address: PENN PLZ SUITE 1810  
NEW YORK, NY 10001  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: 110 HOLDING CORP  
Owner/operator address: 7 PENN PLZ SUITE 1810  
NEW YORK, NY 10001  
Owner/operator country: US  
Owner/operator telephone: (212) 268-0494  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: 110 HOLDING CORP  
Owner/operator address: 7 PENN PLZ SUITE 1810  
NEW YORK, NY 10001  
Owner/operator country: US  
Owner/operator telephone: (212) 268-0494  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110 HOLDING CORP (Continued)**

**1000981390**

Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: 110 HOLDING CORP  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: 110 HOLDING CORP  
Classification: Not a generator, verified

Date form received by agency: 12/16/1994  
Site name: 110 HOLDING CORP  
Classification: Small Quantity Generator

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004323198

Environmental Interest/Information System

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NY MANIFEST:

EPA ID: NY0000987529  
Country: USA  
Location Address 1: 501 WEST 110TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: 110 HOLDING CORPORTATION  
Contact: MARC GOLDSTEIN  
Address: 501 WEST 110TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-268-0494

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110 HOLDING CORP (Continued)

1000981390

Manifest:

Document ID: NYB2122173  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: 80357VNY  
Trans2 State ID: Not reported  
Generator Ship Date: 12/16/1994  
Trans1 Recv Date: 12/16/1994  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/19/1994  
Part A Recv Date: / /  
Part B Recv Date: 01/17/1995  
Generator EPA ID: NY0000987529  
Trans1 EPA ID: NYD982792814  
Trans2 EPA ID: Not reported  
TSDf ID: OHD980681571  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00357  
Units: P - Pounds  
Number of Containers: 007  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1994

N156  
NNW  
< 1/8  
0.099 mi.  
521 ft.

501 CATHEDRAL PARKWAY  
501 CATHEDRAL PARKWAY  
NEW YORK, NY 10025  
Site 2 of 22 in cluster N

NY AST U003384960  
NY HIST AST N/A

Relative:  
Higher

AST:

Actual:  
107 ft.

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-110124  
Program Type: PBS  
UTM X: 587432.16411000001  
UTM Y: 4517421.4693299998  
Expiration Date: 04/13/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 3350  
Affiliation Type: Mail Contact  
Company Name: STELLAR MANAGEMENT  
Contact Type: Not reported  
Contact Name: KATINA V. VAZQUEZ  
Address1: 156 WILLIAM STREET  
Address2: 10TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 843-3783  
EMail: KVAZQUEZ@STELLARMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: NTFREEMA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**501 CATHEDRAL PARKWAY (Continued)**

**U003384960**

Date Last Modified: 1/23/2015

Site Id: 3350  
Affiliation Type: On-Site Operator  
Company Name: 501 WEST 110TH STREET  
Contact Type: Not reported  
Contact Name: IVAN RIVERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 352-1064  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 6/19/2007

Site Id: 3350  
Affiliation Type: Emergency Contact  
Company Name: 501 WEST 110TH STREET LLC  
Contact Type: Not reported  
Contact Name: TOBIAS SAHL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 296-8977  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 2/9/2012

Site Id: 3350  
Affiliation Type: Facility Owner  
Company Name: 501 WEST 110TH STREET LLC  
Contact Type: PERMIT COORDINATOR  
Contact Name: KATINA V VAZQUEZ  
Address1: 156 WILLIAM STREET, 10TH FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 406-0030  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 2/9/2012

Tank Info:

Tank Number: 001  
Tank Id: 4801

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**501 CATHEDRAL PARKWAY (Continued)**

**U003384960**

Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
B02 - Tank External Protection - Original Sacrificial Anode  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/30/1989  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 02/09/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-110124  
SWIS Code: 6201  
Operator: RIVERA  
Facility Phone: (212) 316-3419  
Facility Addr2: 501 CATHEDRAL PARKWAY  
Facility Type: APARTMENT BUILDING  
Emergency: SANDBERG MANAGEMENT  
Emergency Tel: (212) 268-0494  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 110 STREET HOLDING CORP  
Owner Address: SANDBERG MGMT., 7 PENN PLAZA STE. 1810  
Owner City,St,Zip: NEW YORK, NY 10001  
Federal ID: Not reported  
Owner Tel: (212) 268-0494  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: JULIR PLASENCIA  
Mailing Name: M.I.M. MECHANICAL, INC.  
Mailing Address: 137 HIGHLAWN AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BROOKLYN, NY 11223

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**501 CATHEDRAL PARKWAY (Continued)**

**U003384960**

Mailing Telephone: (718) 449-4166  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/15/1998  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 02  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 01  
Tank Containment: Diking  
Leak Detection: 05  
Overfill Protection: 06  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**N157**  
**NNW**  
**< 1/8**  
**0.099 mi.**  
**521 ft.**

**1020 AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners**    **1014968879**  
**N/A**

**Site 3 of 22 in cluster N**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2003  
Address: 1020 AMSTERDAM AVE

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2004  
Address: 1020 AMSTERDAM AVE

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2008  
Address: 1020 AMSTERDAM AVE

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2010  
Address: 1020 AMSTERDAM AVE

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2011  
Address: 1020 AMSTERDAM AVE

Name: AMSTERDAM CLEANERS & TAILORS  
Year: 2012  
Address: 1020 AMSTERDAM AVE

**Actual:**  
**107 ft.**

**I158**  
**WSW**  
**< 1/8**  
**0.100 mi.**  
**530 ft.**

**943 AMSTERDAM AVE HDFC**  
**943 AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**NY AST**    **A100183563**  
**N/A**

**Site 22 of 22 in cluster I**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607002  
Program Type: PBS  
UTM X: 587266.03593999997  
UTM Y: 4517133.85903999995  
Expiration Date: 09/25/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:

Site Id: 28857  
Affiliation Type: Facility Owner  
Company Name: 943 AMSTERDAM AVE HDFC  
Contact Type: TREASURER  
Contact Name: EVELYN MARTINEZ  
Address1: 943 AMSTERDAM AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**943 AMSTERDAM AVE HDFC (Continued)**

**A100183563**

Phone: (347) 565-3129  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 3/6/2012

Site Id: 28857  
Affiliation Type: Mail Contact  
Company Name: 943 AMSTERDAM AVE HDFC  
Contact Type: Not reported  
Contact Name: JOANN CEPEDA  
Address1: 943 AMSTERDAM AVE  
Address2: 1A  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (347) 565-3129  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 3/6/2012

Site Id: 28857  
Affiliation Type: On-Site Operator  
Company Name: 943 AMSTERDAM AVE HDFC  
Contact Type: Not reported  
Contact Name: MILTON ARIAS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 989-7109  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 3/6/2012

Site Id: 28857  
Affiliation Type: Emergency Contact  
Company Name: 943 AMSTERDAM AVE HDFC  
Contact Type: Not reported  
Contact Name: EVELYN MARTINEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (347) 565-3129  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 3/6/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**943 AMSTERDAM AVE HDFC (Continued)**

**A100183563**

Tank Info:

Tank Number: 001  
Tank Id: 62164  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1925  
Capacity Gallons: 1700  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 08/06/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

O159  
SSW  
< 1/8  
0.102 mi.  
540 ft.

161 WEST 106TH STREET  
161 WEST 106TH STREET  
NEW YORK, NY 10025

NY AST U003397111  
NY HIST AST N/A

Site 1 of 6 in cluster O

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-603341  
Program Type: PBS  
UTM X: 587380.73098999995  
UTM Y: 4517083.1324300002  
Expiration Date: 03/05/2018  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:

Site Id: 25260  
Affiliation Type: Facility Owner  
Company Name: 161 WEST 106TH STREET, LLC  
Contact Type: AGENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

161 WEST 106TH STREET (Continued)

U003397111

Contact Name: JACOB EISENSTEIN  
Address1: 939 EIGHTH AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 957-1770  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 1/10/2008

Site Id: 25260  
Affiliation Type: Mail Contact  
Company Name: EK REALTY LLC  
Contact Type: Not reported  
Contact Name: JACOB EISENSTEIN  
Address1: 939 EIGHTH AVENUE  
Address2: SUITE 301  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 957-1770  
EMail: EKREALTY@AOL.COM  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 1/10/2008

Site Id: 25260  
Affiliation Type: On-Site Operator  
Company Name: 161 WEST 106TH STREET, LLC  
Contact Type: Not reported  
Contact Name: JOSEPH MASCARY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 957-1770  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/18/2013

Site Id: 25260  
Affiliation Type: Emergency Contact  
Company Name: 161 WEST 106TH STREET, LLC  
Contact Type: Not reported  
Contact Name: JACOB EISENSTEIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**161 WEST 106TH STREET (Continued)**

**U003397111**

Country Code: 001  
Phone: (212) 957-1770  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 01  
Tank Id: 53898  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E01 - Piping Secondary Containment - Diking (Aboveground)  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
G99 - Tank Secondary Containment - Other  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/07/1985  
Capacity Gallons: 2020  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/16/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-603341  
SWIS Code: 6201  
Operator: JOSEPH MASCAY  
Facility Phone: (212) 662-2562  
Facility Addr2: Not reported  
Facility Type: Not reported  
Emergency: MARBRORE  
Emergency Tel: (212) 769-3706  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SEYMOR FRIEDMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**161 WEST 106TH STREET (Continued)**

**U003397111**

Owner Address: MARBROSE REALTY INC.  
Owner City,St,Zip: 43 WEST 75TH STREET, NY 10023  
Federal ID: Not reported  
Owner Tel: (212) 767-3706  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SEYMOR FRIEDMAN  
Mailing Name: MARBROSE REALTY INC.  
Mailing Address: 43 WEST 75TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10023  
Mailing Telephone: (212) 767-3706  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 02/19/1998  
Expiration: 02/17/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 01  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 9  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 00  
Dispenser Method: 0  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**161 WEST 106TH STREET (Continued)**

**U003397111**

SPDES Number: Not reported  
Lat/Long: Not reported

**O160**  
**SSW**  
**< 1/8**  
**0.102 mi.**  
**540 ft.**

**153 WEST 106TH STREET**  
**153 WEST 106TH STREET**  
**NEW YORK, NY 10025**

**NY AST**  
**NY HIST AST**

**U003394976**  
**N/A**

**Site 2 of 6 in cluster O**

**Relative:**  
**Higher**

AST:

**Actual:**  
**107 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-470295  
Program Type: PBS  
UTM X: 587399.57947  
UTM Y: 4517073.1411699997  
Expiration Date: 12/27/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 20586  
Affiliation Type: Mail Contact  
Company Name: DUKE ELLINGTON TRIO HDFC C/O FINGER MGMT  
Contact Type: AGENT  
Contact Name: RON J FINGER  
Address1: 503 SOUTH BROADWAY SUITE 235  
Address2: Not reported  
City: YONKERS  
State: NY  
Zip Code: 10705  
Country Code: 001  
Phone: (914) 207-1744  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/8/2010

Site Id: 20586  
Affiliation Type: On-Site Operator  
Company Name: DUKE ELLINGTON TRIO HDFC  
Contact Type: Not reported  
Contact Name: MUSA HUSIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 544-3879  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/8/2010

Site Id: 20586  
Affiliation Type: Emergency Contact  
Company Name: DUKE ELLINGTON TRIO HDFC C/O FINGER MGMT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

153 WEST 106TH STREET (Continued)

U003394976

Contact Type: Not reported  
Contact Name: RON FINGER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (914) 207-1744  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/8/2010

Site Id: 20586  
Affiliation Type: Facility Owner  
Company Name: DUKE ELLINGTON TRIO HDFC C/O FINGER MGMT  
Contact Type: AGENT  
Contact Name: RON J FINGER  
Address1: 503 SOUTH BROADWAY SUITE 235  
Address2: Not reported  
City: YONKERS  
State: NY  
Zip Code: 10705  
Country Code: 001  
Phone: (914) 207-1744  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/8/2010

Tank Info:

Tank Number: 001  
Tank Id: 37334  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E02 - Piping Secondary Containment - Vault (with Access)  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/05/1965

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**153 WEST 106TH STREET (Continued)**

**U003394976**

Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 10/19/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-470295  
SWIS Code: 6201  
Operator: P. LODH  
Facility Phone: (212) 806-8091  
Facility Addr2: 153 WEST 106TH STREET  
Facility Type: Not reported  
Emergency: MILTON MASTER  
Emergency Tel: (212) 806-8091  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CITY OF NEW YORK H.P.D.  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NEW YORK, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8091  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: CITY OF NEW YORK H.P.D.  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10038  
Mailing Telephone: (212) 806-8091  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 03/28/1989  
Expiration: 03/28/1994  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**153 WEST 106TH STREET (Continued)**

**U003394976**

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**O161**  
**South**  
**< 1/8**  
**0.102 mi.**  
**540 ft.**

**MANHATTAN WEST ASSOCIATES**  
**135 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 3 of 6 in cluster O**

**NY AST U003383824**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-063665  
Program Type: PBS  
UTM X: 587442.02959000005  
UTM Y: 4517050.7725200001  
Expiration Date: 03/10/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**104 ft.**

Affiliation Records:  
Site Id: 1278  
Affiliation Type: Facility Owner  
Company Name: MANHATTAN WEST ASSOCIATES C/O WSFSH  
Contact Type: AGENT  
Contact Name: JEFFREY GOLDSTEIN  
Address1: 2345 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 721-6032  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN WEST ASSOCIATES (Continued)**

**U003383824**

Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/29/2008

Site Id: 1278  
Affiliation Type: Mail Contact  
Company Name: T.U.C. MANAGEMENT CO,INC.  
Contact Type: Not reported  
Contact Name: JEFFREY GOLDSTEIN  
Address1: 200 WEST 57TH STREET, SUITE 702  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019-2303  
Country Code: 001  
Phone: (212) 765-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/29/2008

Site Id: 1278  
Affiliation Type: On-Site Operator  
Company Name: MANHATTAN WEST ASSOCIATES  
Contact Type: Not reported  
Contact Name: NOEL CORTES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-0588  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/29/2008

Site Id: 1278  
Affiliation Type: Emergency Contact  
Company Name: MANHATTAN WEST ASSOCIATES C/O WSFSH  
Contact Type: Not reported  
Contact Name: NOEL CONTES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 765-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/11/2012

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN WEST ASSOCIATES (Continued)**

**U003383824**

Tank Number: 001  
Tank Id: 2328  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/1998  
Capacity Gallons: 5000  
Tightness Test Method: 01  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/10/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**L162**  
**South**  
**< 1/8**  
**0.103 mi.**  
**542 ft.**

**115 WEST 106TH STREET APARTMENT HOUSE**  
**115 WEST 106TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100183035**  
**N/A**

**Site 4 of 25 in cluster L**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606377  
Program Type: PBS  
UTM X: 587453.5742999998  
UTM Y: 4517013.6149500003  
Expiration Date: 07/16/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**102 ft.**

Affiliation Records:  
Site Id: 28240  
Affiliation Type: Facility Owner  
Company Name: 115 W 106 LLC % DON LEBOWITZ  
Contact Type: MEMBER OF LLC  
Contact Name: DAN LEBOWITZ  
Address1: 280 RIVERSIDE DRIVE #91A  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

115 WEST 106TH STREET APARTMENT HOUSE (Continued)

A100183035

City: NEW YROK  
State: NY  
Zip Code: 10007  
Country Code: 001  
Phone: (917) 282-1023  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/2/2011

Site Id: 28240  
Affiliation Type: Mail Contact  
Company Name: 115 W 106 LLC  
Contact Type: Not reported  
Contact Name: DON LEBOWITZ  
Address1: 280 RIVERSIDE DR #91A  
Address2: SUITE 1300  
City: NEW YORK  
State: NY  
Zip Code: 10007  
Country Code: 001  
Phone: (212) 619-2051  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/2/2011

Site Id: 28240  
Affiliation Type: On-Site Operator  
Company Name: 115 WEST 106TH STREET APARTMENT HOUSE  
Contact Type: Not reported  
Contact Name: CLIFF DUFTON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (845) 821-5996  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/2/2011

Site Id: 28240  
Affiliation Type: Emergency Contact  
Company Name: 115 W 106 LLC % DON LEBOWITZ  
Contact Type: Not reported  
Contact Name: DON LEBOWITZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 864-2183  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**115 WEST 106TH STREET APARTMENT HOUSE (Continued)**

**A100183035**

Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 115W106  
Tank Id: 61346  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1950  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/02/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**P163**  
**NW**  
**< 1/8**  
**0.103 mi.**  
**543 ft.**

**243 W 109TH STREET**  
**243 WEST 109TH STREET**  
**NEW YORK, NY 10025**

**NY AST U003384583**  
**NY HIST AST N/A**

**Site 1 of 6 in cluster P**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-113999  
Program Type: PBS  
UTM X: 587297.34300999995  
UTM Y: 4517407.3307600003  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 3701  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**243 W 109TH STREET (Continued)**

**U003384583**

Company Name: BEACON 109 241-243, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 3701  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 3701  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 241-243, LLC  
Contact Type: Not reported  
Contact Name: HI TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 3701  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 241-243, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**243 W 109TH STREET (Continued)**

**U003384583**

State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 4032  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
B01 - Tank External Protection - Painted/Asphalt Coating  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1990  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-113999  
SWIS Code: 6201  
Operator: ELADIO VELEZ  
Facility Phone: (212) 972-5900  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: NEIL GEVIRTZ  
Emergency Tel: (212) 972-5900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

243 W 109TH STREET (Continued)

U003384583

Result of Inspection: Not reported  
Owner Name: FIVE SPRUCE 109 LLC % RA COHEN & ASSOC INC AGENT  
Owner Address: 60 EAST 42ND STREET, SUITE 1250  
Owner City,St,Zip: NEW YORK, NY 10165  
Federal ID: Not reported  
Owner Tel: (212) 972-5900  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: FRED FRAGANO  
Mailing Name: R.A. COHEN & ASSOCIATES, INC.  
Mailing Address: 60 EAST 42ND STREET  
Mailing Address 2: SUITE 1250  
Mailing City,St,Zip: NEW YORK, NY 10165  
Mailing Telephone: (212) 972-5900  
Owner Mark: Third Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/17/2001  
Expiration: 08/16/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 05  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 06  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**243 W 109TH STREET (Continued)**

**U003384583**

Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**L164**  
**South**  
**< 1/8**  
**0.103 mi.**  
**546 ft.**

**CITY OF N.Y DEPT OF H.P.D**  
**111 W 106TH ST**  
**NEW YORK, NY 10023**  
**Site 5 of 25 in cluster L**

**NY AST** **U004046381**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**102 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-600997  
Program Type: PBS  
UTM X: 587498.66001999995  
UTM Y: 4517020.8003500002  
Expiration Date: 10/20/1997  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 22967  
Affiliation Type: Facility Owner  
Company Name: H.P.D  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: Not reported  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22967  
Affiliation Type: Mail Contact  
Company Name: H.P.D  
Contact Type: Not reported  
Contact Name: IVAN SCHWARTZ  
Address1: 75 MAIDEN LANE  
Address2: 4TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8037  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22967

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY OF N.Y DEPT OF H.P.D (Continued)**

**U004046381**

Affiliation Type: On-Site Operator  
Company Name: CITY OF N.Y DEPT OF H.P.D  
Contact Type: Not reported  
Contact Name: JOE GRAMMANDO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 477-9553  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 22967  
Affiliation Type: Emergency Contact  
Company Name: H.P.D  
Contact Type: Not reported  
Contact Name: BERNARD BROWNE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 477-9588  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 1  
Tank Id: 44695  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF N.Y DEPT OF H.P.D (Continued)

U004046381

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

L165  
South  
< 1/8  
0.103 mi.  
546 ft.

CON EDISON MANHOLE: 17720  
111 W 106TH ST W OF COLUMBUS A  
NEW YORK, NY 10025

RCRA-CESQG 1016143513  
NY MANIFEST NYP004262937

Site 6 of 25 in cluster L

Relative:  
Higher

RCRA-CESQG:

Actual:  
102 ft.

Date form received by agency: 08/14/2012  
Facility name: CON EDISON MANHOLE: 17720  
Facility address: 111 W 106TH ST W OF COLUMBUS A  
OPPOSITE  
NEW YORK, NY 10025  
EPA ID: NYP004262937  
Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: MEGAN KUDLACK  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 427-1277  
Contact email: Not reported  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 17720 (Continued)**

**1016143513**

Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYP004262937  
Country: USA  
Location Address 1: OPP 111 W 106TH ST WO COLUMBUS AVE  
Location Address 2: MH 17720  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/14/2012  
Trans1 Recv Date: 08/14/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/15/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004262937  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 010464266JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON MANHOLE: 17720 (Continued)**

**1016143513**

Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H111

**L166**  
**South**  
**< 1/8**  
**0.103 mi.**  
**546 ft.**

**CON EDISON SERVICE BOX: 17715**

**111 W 106TH ST  
 NEW YORK, NY 10025**

**Site 7 of 25 in cluster L**

**RCRA-CESQG  
 FINDS  
 NY MANIFEST**

**1016143738  
 NYP004265203**

**Relative:  
 Higher**

RCRA-CESQG:

Date form received by agency: 08/27/2012  
 Facility name: CON EDISON SERVICE BOX: 17715  
 Facility address: 111 W 106TH ST

**Actual:  
 102 ft.**

NEW YORK, NY 10025  
 EPA ID: NYP004265203  
 Mailing address: IRVING PL, RM 828  
 NEW YORK, NY 10003

Contact: RICARDO CARTY  
 Contact address: Not reported

Not reported  
 Contact country: Not reported  
 Contact telephone: (212) 643-3044

Contact email: Not reported  
 EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 17715 (Continued)**

**1016143738**

Used oil transfer facility: No  
Used oil transporter: No  
  
Violation Status: No violations found

**FINDS:**

Registry ID: 110055421850

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYP004265203  
Country: USA  
Location Address 1: FO 111 W 106TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/27/2012  
Trans1 Recv Date: 08/27/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/30/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004265203  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 250.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 17715 (Continued)**

**1016143738**

Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 010464472JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**L167**  
**South**  
**< 1/8**  
**0.103 mi.**  
**546 ft.**

**111 W 106TH ST**  
**NEW YORK, NY 10025**  
**Site 8 of 25 in cluster L**

**EDR US Hist Auto Stat 1015157169**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**102 ft.**

EDR Historical Auto Stations:  
Name: IZZYS AUTO SALES LLC  
Year: 2006  
Address: 111 W 106TH ST

**Q168**  
**West**  
**< 1/8**  
**0.104 mi.**  
**548 ft.**

**APRT**  
**230 WEST 107TH STREET**  
**NEW YORK, NY**  
**Site 1 of 7 in cluster Q**

**NY LTANKS S109064272**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**109 ft.**

LTANKS:  
Site ID: 396682  
Spill Number/Closed Date: 0800859 / 1/15/2009  
Spill Date: 4/21/2008  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: bkfalvey  
Referred To: Not reported  
Reported to Dept: 4/21/2008  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/21/2008  
Spill Record Last Update: 1/15/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APRT (Continued)**

**S109064272**

Spiller Name: CARMEN SANTIAGO  
Spiller Company: APRT  
Spiller Address: 230 WEST 107TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: CARMEN SANTIAGO  
Spiller Phone: (646) 673-6714  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 346159  
DEC Memo: 5/2/08 bf: Sent ttf to:Carmen SantiagoThe Dermot Company1775  
Broadway, Suite 510New York, NY 100191/15/09 Yesterday, received  
letter dated 11/24/08 from Robert Urban of Pro Test. Tank manhole was  
regasketed and rebolted and passed a tank only test. Vent line  
replaced. Tank then passed tightness test. No contamination found in  
tank vault. Passing tightness test dated 11/21/08 included. NFA. bf  
dry leak

Remarks:

Material:  
Site ID: 396682  
Operable Unit ID: 1153652  
Operable Unit: 01  
Material ID: 2144419  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 396682  
Spill Tank Test: 2453561  
Tank Number: 1  
Tank Size: 3000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 4/21/2008  
Test Method: Horner EZ Check I or II

**Q169**  
**West**  
**< 1/8**  
**0.104 mi.**  
**548 ft.**

**K R F MANAGEMENT CO**  
**230 WEST 107 STREET**  
**NEW YORK, NY 10025**  
**Site 2 of 7 in cluster Q**

**NY AST U003384733**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-093548

**Actual:**  
**109 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384733**

Program Type: PBS  
UTM X: 587250.91939000005  
UTM Y: 4517237.47432  
Expiration Date: 03/01/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 2481  
Affiliation Type: Mail Contact  
Company Name: WEST 107 LLC PORTFOLIO  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADE AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NY  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/4/2013

Site Id: 2481  
Affiliation Type: On-Site Operator  
Company Name: 230 W 107 ST PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: YANIR RYBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (862) 881-6920  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/4/2013

Site Id: 2481  
Affiliation Type: Emergency Contact  
Company Name: 230 WEST 107 LLC  
Contact Type: Not reported  
Contact Name: HI-TECH CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/4/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384733**

Site Id: 2481  
Affiliation Type: Facility Owner  
Company Name: 230 WEST 107 LLC  
Contact Type: AGENT  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADE AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NY  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/4/2013

Tank Info:

Tank Number: 001  
Tank Id: 4341  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1975  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 09/05/2013  
Material Name: #4 Fuel Oil (Resale/Redistribute)

HIST AST:

PBS Number: 2-093548  
SWIS Code: 6201  
Operator: MIGUEL CAMPOAMOR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384733**

Facility Phone: (212) 663-8566  
Facility Addr2: 230 WEST 107 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: K R F MANAGEMENT CO MILBROOK  
Emergency Tel: (718) 520-1240  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: K R F MANAGEMENT CO MILBROOK  
Owner Address: 108-18 QUEENS BLVD.  
Owner City,St,Zip: FOREST HILLS, NY 11375  
Federal ID: Not reported  
Owner Tel: (718) 520-1240  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RUBINPIKERS  
Mailing Name: K R F MANAGEMENT CO MILBROOK  
Mailing Address: 108-18 QUEENS BLVD.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FOREST HILLS, NY 11375  
Mailing Telephone: (718) 520-1240  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/01/1997  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K R F MANAGEMENT CO (Continued)**

**U003384733**

Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**N170**  
**NNW**  
**< 1/8**  
**0.104 mi.**  
**548 ft.**

**THE BRITAINIA CONDOMINIUM**  
**527 WEST 110TH STREET**  
**NEW YORK, NY 10025**

**NY AST U003074919**  
**NY HIST AST N/A**

**Site 4 of 22 in cluster N**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-480495  
Program Type: PBS  
UTM X: 587371.54341000004  
UTM Y: 4517453.83727  
Expiration Date: 05/15/2015  
Site Type: Apartment Building/Office Building

**Actual:**  
**107 ft.**

**Affiliation Records:**

Site Id: 21442  
Affiliation Type: Facility Owner  
Company Name: THE BRITANNIA CONDOMINIUM  
Contact Type: TREASURER  
Contact Name: STEPHEN EILLOT  
Address1: 527 CATHEDRAL PARKWAY, SUITE 99  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025-2082  
Country Code: 001  
Phone: (212) 222-1021  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/5/2005

Site Id: 21442  
Affiliation Type: Mail Contact  
Company Name: THE BRITANNIA CONDOMINIUM  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 527 CATHEDRAL PARKWAY, SUITE 99  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025-2082

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE BRITANNIA CONDOMINIUM (Continued)**

**U003074919**

Country Code: 001  
Phone: (212) 222-1021  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/28/2011

Site Id: 21442  
Affiliation Type: On-Site Operator  
Company Name: BRITANNIA CONDOMINIUM  
Contact Type: Not reported  
Contact Name: STEVE EILLOT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-1021  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/5/2005

Site Id: 21442  
Affiliation Type: Emergency Contact  
Company Name: THE BRITANNIA CONDOMINIUM  
Contact Type: Not reported  
Contact Name: STEVE EILLOT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 408-0218  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/5/2005

Tank Info:

Tank Number: 001  
Tank Id: 172046  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F04 - Pipe External Protection - Fiberglass

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE BRITAINIA CONDOMINIUM (Continued)**

**U003074919**

G03 - Tank Secondary Containment - Vault (w/o access)  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/1994  
Capacity Gallons: 6000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 04/05/2005  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 001-A  
Tank Id: 172049  
Material Code: 0008  
Common Name of Substance: Diesel

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 04/01/1994  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: Diesel

HIST AST:

PBS Number: 2-480495  
SWIS Code: 6201  
Operator: EUGENE HERRERA  
Facility Phone: (212) 222-7081  
Facility Addr2: 527 WEST 110TH STREET  
Facility Type: APARTMENT BUILDING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE BRITAINIA CONDOMINIUM (Continued)**

**U003074919**

Emergency: SUSAN ABRAMS  
Emergency Tel: (212) 223-1003  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: THE BRITAINIA CONDOMINIUM C/O INTEGRITY PROPERTY  
Owner Address: 210 EAST 58TH STREET #3G  
Owner City,St,Zip: NEW YORK, NY 10021  
Federal ID: Not reported  
Owner Tel: (212) 223-1003  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SUSAN ABRAMS  
Mailing Name: THE BRITAINIA CONDOMINIUM C/O INTEGRITY PROPERTY  
Mailing Address: 210 EAST 58TH STREET #3G  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10021  
Mailing Telephone: (212) 223-1003  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 11/01/1994  
Expiration: 05/15/2000  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 6000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE BRITAINIA CONDOMINIUM (Continued)**

**U003074919**

Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1994  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**N171  
NNW  
< 1/8  
0.104 mi.  
548 ft.**

**RESIDENCE  
527 W. 110TH ST  
MANHATTAN, NY  
Site 5 of 22 in cluster N**

**NY Spills S106866814  
N/A**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 0412493  
Facility Type: ER  
DER Facility ID: 273316  
Site ID: 337985  
DEC Region: 2  
Spill Date: 2/24/2005  
Spill Number/Closed Date: 0412493 / 2/28/2005  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:  
107 ft.**

**SWIS:**  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 2/24/2005  
CID: 409  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/24/2005  
Spill Record Last Update: 6/13/2006  
Spiller Name: UGENE  
Spiller Company: RESIDENCE  
Spiller Address: 527 WEST 110  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: EUGENE  
Contact Phone: (212) 220-1021  
DEC Memo: Not reported  
Remarks: CLEANED UP WITH SPEEDY DRY, RAGS, BROOM AND A SHOVEL.

**Material:**

Site ID: 337985  
Operable Unit ID: 1099989  
Operable Unit: 01  
Material ID: 580260

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S106866814**

Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: 5  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**N172  
NNW  
< 1/8  
0.104 mi.  
548 ft.**

**BRITANINA CONDO'S  
527 WEST 110TH ST  
NEW YORK, NY  
Site 6 of 22 in cluster N**

**NY LTANKS S104516577  
N/A**

**Relative:  
Higher**

**LTANKS:**

**Actual:  
107 ft.**

Site ID: 165159  
Spill Number/Closed Date: 9913146 / 3/7/2000  
Spill Date: 2/18/2000  
Spill Cause: Tank Overfill  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 2/18/2000  
CID: 281  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 2/18/2000  
Spill Record Last Update: 3/7/2000  
Spiller Name: NICK PASCAL  
Spiller Company: HESS  
Spiller Address: 238 WEST FORT LEE RD  
Spiller City,St,Zip: BOGOTA, NJ 07603-001  
Spiller Contact: NICK PASCAL  
Spiller Phone: (210) 489-5100  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 139225  
DEC Memo: Not reported  
Remarks: POSS. TANK OVERFILL AT ABOVE LOCATION. MATERIAL SPILLED ONTO SIDEWALK. CREW RESPONDING FOR CLEANUP. NO CALL BACK REQUESTED.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BRITANINA CONDO'S (Continued)**

**S104516577**

Material:  
Site ID: 165159  
Operable Unit ID: 1091859  
Operable Unit: 01  
Material ID: 295003  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: 20  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**L173**  
**South**  
**< 1/8**  
**0.104 mi.**  
**549 ft.**

**109 WEST 106TH STREET**  
**109 WEST 106TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100178066**  
**N/A**

**Site 9 of 25 in cluster L**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-605795  
Program Type: PBS  
UTM X: 587503.33004000003  
UTM Y: 4517018.3021  
Expiration Date: 04/27/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**101 ft.**

Affiliation Records:  
Site Id: 27662  
Affiliation Type: Facility Owner  
Company Name: TOCKWOTTEN ASSOCIATES, INC.  
Contact Type: PRESIDENT  
Contact Name: ANTHONY M KISSLING  
Address1: 350 FIFTH AVENUE SUITE 7717  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10118  
Country Code: 001  
Phone: (212) 947-1540  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 1/19/2011

Site Id: 27662  
Affiliation Type: Mail Contact  
Company Name: KISSLING REALTY ADVISORS, LLC  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

109 WEST 106TH STREET (Continued)

A100178066

Contact Name: ANTHONY M. KISSLING  
Address1: 350 FIFTH AVENUE  
Address2: SUITE 7717  
City: NEW YORK  
State: NY  
Zip Code: 10118  
Country Code: 001  
Phone: (212) 947-1540  
EMail: NYCMGMT@KAPTS.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 1/19/2011

Site Id: 27662  
Affiliation Type: On-Site Operator  
Company Name: 109 WEST 106TH STREET  
Contact Type: Not reported  
Contact Name: APPROVED OIL SERVICES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 238-1050  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 5/14/2007

Site Id: 27662  
Affiliation Type: Emergency Contact  
Company Name: TOCKWOTTEN ASSOCIATES, INC.  
Contact Type: Not reported  
Contact Name: ANTHONY M. KISSLING  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 947-1540  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 60480  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

109 WEST 106TH STREET (Continued)

A100178066

D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/16/1964  
Capacity Gallons: 1200  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DXLIVING  
Last Modified: 05/14/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

O174  
SSW  
< 1/8  
0.104 mi.  
549 ft.

PNINA REALTY ASSOCIATES  
160 WEST 106TH STREET  
NEW YORK, NY 10025

NY AST U003384729  
NY HIST AST N/A

Site 4 of 6 in cluster O

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-093459  
Program Type: PBS  
UTM X: 587376.22363000002  
UTM Y: 4517071.8659499995  
Expiration Date: 07/11/2018  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:  
Site Id: 2473  
Affiliation Type: Mail Contact  
Company Name: 933 AMSTERDAM HOLDINGS, LLC  
Contact Type: MGMT  
Contact Name: HARRY T  
Address1: 707 E.PALISADES AVENUE  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRY@LHAPTS.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/7/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PNINA REALTY ASSOCIATES (Continued)**

**U003384729**

Site Id: 2473  
Affiliation Type: On-Site Operator  
Company Name: AMSTERDAM PORTFOLIO  
Contact Type: Not reported  
Contact Name: DAISY LOPEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 995-6683  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 2473  
Affiliation Type: Emergency Contact  
Company Name: 933 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 2473  
Affiliation Type: Facility Owner  
Company Name: 933 AMSTERDAM HOLDINGS, LLC  
Contact Type: MGMT  
Contact Name: HARRY T  
Address1: 707 E.PALISADES AVENUE  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRY@LHAPTS.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 2/7/2014

Tank Info:

Tank Number: 001  
Tank Id: 4318  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PNINA REALTY ASSOCIATES (Continued)**

**U003384729**

Equipment Records:

J05 - Dispenser - On Site Heating System (Supply/Return)  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
K99 - Spill Prevention - Other  
I05 - Overfill - Vent Whistle  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
L00 - Piping Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1969  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/08/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-093459  
SWIS Code: 6201  
Operator: GERARD FRANCOEUR  
Facility Phone: (212) 749-9093  
Facility Addr2: 160 WEST 106TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: BRUSCO FUEL OIL CO  
Emergency Tel: (212) 663-4400  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NINA GORDON  
Owner Address: 160 WEST 106TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 749-9093  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NINA GORDON  
Mailing Address: 160 WEST 106TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 749-9093  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PNINA REALTY ASSOCIATES (Continued)**

**U003384729**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
 Certification Date: 05/20/1997  
 Expiration: 05/07/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 3000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**O175**  
**SSW**  
**< 1/8**  
**0.104 mi.**  
**550 ft.**

**LOT 57,TAXBLOCK 1860**  
**156 WEST 106 STREET**  
**MANHATTAN, NY 10025**  
**Site 5 of 6 in cluster O**

**NY E DESIGNATION S117234291**  
**N/A**

**Relative:**  
**Higher**

E DESIGNATION:  
 Tax Lot(s): 57  
 Tax Block: 1860  
 Borough Code: MN  
 E-No: E-328  
 Effective Date: 6/26/2014

**Actual:**  
**107 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LOT 57,TAXBLOCK 1860 (Continued)**

**S117234291**

Satisfaction Date:	Not reported
Ceqr Number:	14DCP084M
Ulurp Number:	130208ZMM
Zoning Map No:	5d
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

**L176**  
**South**  
**< 1/8**  
**0.104 mi.**  
**550 ft.**

**VAULT 1262**  
**120 WEST 106TH STREET**  
**MANHATTAN, NY**  
**Site 10 of 25 in cluster L**

**NY LTANKS** **S100494591**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**103 ft.**

Site ID:	129475
Spill Number/Closed Date:	9211497 / 7/26/1993
Spill Date:	1/6/1993
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	7/26/1993
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	1/6/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/8/1993
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	111617
DEC Memo:	Not reported
Remarks:	ISO RETEST ASAP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1262 (Continued)**

**S100494591**

Material:

Site ID: 129475  
Operable Unit ID: 975789  
Operable Unit: 01  
Material ID: 404895  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 129475  
Spill Tank Test: 1541033  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

SPILLS:

Facility ID: 0302524  
Facility Type: ER  
DER Facility ID: 111617  
Site ID: 284536  
DEC Region: 2  
Spill Date: 6/9/2003  
Spill Number/Closed Date: 0302524 / 2/10/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: AERODRIG  
Referred To: Not reported  
Reported to Dept: 6/9/2003  
CID: 270  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/9/2003  
Spill Record Last Update: 2/10/2004  
Spiller Name: CALLER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1262 (Continued)**

**S100494591**

Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"E2MIS 148662On 6/9 @ 21:23 d Pace # 13149 of I&A North reported to me that while working on FDr 17M95 he found approx 20 gal of Deiletric fluid and 300 gal of water in V-1262. These amounts were calculated by me from the dimensions of the structure given to me which is a structure of 12' X 12' and there was 1/4" of oil and 5-3/4" of water. There was no sewer/waterway affected. The piping to the strret was taken apart and it was found to be dry. The piping was then cut. The oil migrated to the V-0796 and the piping was in V-180.The source of the spill is the Trnsformer and the cause was due to heavy rust on the Unit. Two samples were taken for PCB and ID.NOTE::: Warehouse PCB sample history as of 1/10/2003 is 7 PPM - LSN # 03-00256-005UPDATE - 6/10/2003 @ 00:04 HRSCleanup will be started ASAP as ordered by DEP. Astoria Transportation notified of the need for an "Over 50" tanker and faxed documentation. UPDATE 6/10 @ 04:10D Pace ordered a flush truck to the jobsite to complete cleanup operations as per D Pontecorvo of ERTLlab results for LSN # 03-04815-001TOTAL PCB 20 ppm6/10/03 cleanup has been completely done in V-0796 and a partial cleanup in V-1262. The tanker removed approx 1800 gallons of mixed liquid form the Vaults and 300 gallons from the Unit. V-0796 was double-washed and "SLIX: was used and V-1262 was sinle washed with "SLIX". 7/24/03 cleanup in vault V1262 was completed. Solid removed were sludge, dirt & debris picked up by the Vactor truck. Liquids removed were 100 gallons of oil & water mixed. The vault floor was double washed with Bio-Gen.UPDATE New transformer installed 8/4/2003

Remarks: heavy rust on unit is cause for spill clean up pending

Material:  
Site ID: 284536  
Operable Unit ID: 870271  
Operable Unit: 01  
Material ID: 560051  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9613838  
Facility Type: ER  
DER Facility ID: 111617  
Site ID: 157230  
DEC Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1262 (Continued)**

**S100494591**

Spill Date: 2/25/1997  
Spill Number/Closed Date: 9613838 / 7/7/2008  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: HRAHMED  
Referred To: Not reported  
Reported to Dept: 2/25/1997  
CID: 211  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/25/1997  
Spill Record Last Update: 7/7/2008  
Spiller Name: EDDIE MARTINEZ  
Spiller Company: JEWISH HOME & HOSPITAL  
Spiller Address: 120 W 106TH ST  
Spiller City,St,Zip: MANHATTAN, NY 001  
Contact Name: EDDIE MARTINEZ  
Contact Phone: (212) 870-4886  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD" SPILL NO. WAS TRANSFERRED FROM MARK TIBBE.see spill 001132001/26/04Reassinged from Rommel to Austin02/17/04: Reassigned from AUSTIN to KRIMGOLD.11/01/2005 - Changed DEC lead from Krimgold to Zalewski. (Zalewski)3/13/2006 - Reviewed file. Last correspondence dated February 21, 2002 indicating that the remedial system was constructed and about to be started up. Placed a call to Dean Devoe (Gannett Fleming). He no longer works there. I was referred to Eric Lockler. I left a voice mail message requesting a call back. (Zalewski)3/15/2006 - Returned a phone call to Eric Lockler (Gannett Fleming). Left a voice mail message requesting a call back. (Zalewski)3/17/2006 - Placed a phone call to Eric Lockler. He said that they constructed the remedial system, which consists of horizontal wells, a collection sump in the elevator shaft, and an oil/water separator. Steel wells were installed to allow for the injection of boiler steam, but to his knowledge steam has not been introduced due to concerns about contaminant migration to off-site basements. They did some initial performance monitoring, but have not been involved at the site since 2002. His recollection is that there was very little product accumulation in the oil/water separator observed during the initial monitoring they conducted. (Zalewski)3/17/2006 - Transferring back to Region 2. Recommended next step is to request an update from the Jewish Home and Hospital on the corrective action activities conducted to date. This includes groundwater sampling data from site monitoring wells and performance monitoring data for the recovery system. The data should then be reviewed to determine if the system is operating effectively or should be optimized. (Zalewski)Spill transferred back to Region 23/10/08 - Austin - Spill assigned to Ahmed for followup -

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VAULT 1262 (Continued)

S100494591

end06/30/08-Hasan Ahmed- Checked PBS records, registration expired on 06/18/07. Called Jewish Home and Hospital (212 870 4886) and left a voice message. Called Gannett Fleming office (212 967 9833) and left a voice message. Ed of Jewish Hospital (212 870 4886) returned call. As per him Island Environmental removed the tanks and cleanup the soil and operated the oil/water separator system. He didn't know about Gannett Fleming, he has been working for Jewish Hospital only for last six months. He said he will try to get the background and current status of the remedial system and call me back on 07/02/08. 07/07/08-Ahmed-This spill closed and referred to open spill #0512881 being currently managed by DEC Ketani at same location. See also closed spill #0609452.

Remarks:

UNDERGROUND TANK POSS LINING PROBLEM WHICH CAUSED LEAKED - TYREE CORP ON THE WAY TO REMEDY SITUATION

Material:

Site ID: 157230  
Operable Unit ID: 1041405  
Operable Unit: 01  
Material ID: 338937  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9409796  
Facility Type: ER  
DER Facility ID: 111617  
Site ID: 210815  
DEC Region: 2  
Spill Date: 10/21/1994  
Spill Number/Closed Date: 9409796 / 10/21/1994  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 10/21/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Affected Persons  
Cleanup Ceased: 10/21/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1262 (Continued)**

**S100494591**

Date Entered In Computer: 12/1/1994  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: JEWISH HOME & HOSPITAL  
Spiller Address: 120 W. 106TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: SPILL CONTAINED ON CONCRETE FLOOR PIT- AL EASTMOND DOING CLEAN UP

Material:

Site ID: 210815  
Operable Unit ID: 1003745  
Operable Unit: 01  
Material ID: 375674  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0011320  
Facility Type: ER  
DER Facility ID: 111617  
Site ID: 270536  
DEC Region: 2  
Spill Date: 1/17/2001  
Spill Number/Closed Date: 0011320 / 10/28/2003  
Spill Cause: Deliberate  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JMROMMEL  
Referred To: Not reported  
Reported to Dept: 1/17/2001  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/17/2001  
Spill Record Last Update: 10/28/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1262 (Continued)**

**S100494591**

Spiller Name: CELEST OKOLI  
Spiller Company: JEWISH HOME & HOSPITAL  
Spiller Address: 120 WEST 106TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: CELEST OKOLI  
Contact Phone: (718) 595-4766  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"closed. being investigated and remediated under spill 9613838  
Remarks: says they are pumping oil our into the soil and it is going into the sewer line now - caller wants a call back

Material:  
Site ID: 270536  
Operable Unit ID: 833380  
Operable Unit: 01  
Material ID: 541640  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

L177  
South  
< 1/8  
0.104 mi.  
550 ft.

**JEWISH HOME & HOSPITAL FOR THE AGED  
120 WEST 106TH STREET  
NEW YORK, NY 10025**  
Site 11 of 25 in cluster L

**NY LTANKS U001833370  
NY UST N/A  
NY HIST UST  
NY AST  
NY Spills**

**Relative:  
Higher**

LTANKS:  
Site ID: 441963  
Spill Number/Closed Date: 1008471 / 12/6/2012  
Spill Date: 11/12/2010  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: BKFALVEY  
Referred To: Not reported  
Reported to Dept: 11/12/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/12/2010

**Actual:  
103 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Spill Record Last Update: 12/6/2012  
Spiller Name: VINCENT  
Spiller Company: JEWISH HOME AND HOSPITAL  
Spiller Address: 120 WEST 106TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 999  
Spiller Contact: ISLAND TANK CORP/ VINCENT  
Spiller Phone: (718) 967-9424  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 396989  
DEC Memo:

TTF Letter sent to PBS Address - See eDocs3/21/12 PBS settlement conference held today. Edward Meehan Director of Facility Management attended the meeting on behalf of the Jewish Home. He stated that the tank failed because the technician failed to close off the piping to the day tank prior to the test. He also stated that the tank was retested 3 to 4 weeks later and passed. He said that he will get the passing test report and a letter explaining what happened to me within two weeks. His e-mail: emeehan@jhha.org. bf5/10/12 Called Ed Meehan requesting info to close spill. bf5/11/12 bf: Received email and replied with the following comments:Ed, I received your phone call as well as your e-mail. I am responding to you by e-mail so that you can forward my comments to your contractor to correct the deficiencies below. The document that you sent me (the test report and invoice) is attached. 1. The invoice for the repair states that the tank is a 5000 gallon tank. The spill case is in reference to a 550 gallon tank. 2. If the invoice does refer to the tank involved with the spill case, documentation stating whether or not any indication of a petroleum release was found during the repairs. 3. The invoice states that the repair was made to a bushing at the top of the tank which is not consistent with our conversation yesterday where you told me that the vent pipe was repaired. 4. The tank test report states that the calculated pressure is greater than the applied pressure. The calculated pressure is 1.43 psi and the applied pressure is 1.4 psi. 5. The tank test report states that after the applied test pressure was reached the test began immediately. On the report, refer to the time data of when the test pressure was reached, the blower was turned off, and the test began. According to the report, all three happened at 9:31 AM. The test method requires holding the test pressure constant for at least three minutes prior to turning off the blower.

-----end-----Mr. Meehan called me back and stated that he is going to call his contractor (Vinnie) and have information corrected. bf5/17/12 Called Ed Meehan for update since corrected documentation was not received. He is waiting for docs from contractors. He will call contractors and call me back today. bf6/4/12 CASE REFERRED TO GENERAL COUNSEL. bf8/6/12 Attempted conference call to Ed Meehan with OGC (J. Byrne). Left voicemail message. bf8/30/12 On 8/20/12, Ed meehan called me because his contractor "dropped of the paper work." The documents received were a tank tightness test report and a repair invoice. The sipill case can not be closed because of iunsufficient information. There is no statement from the 3rd party regarding a petroleum release. The tank tightness test report dated 3/28/12 is not sufficient because the calculated p[ressure is greater than the applied pressure and it is missing the technician's signature. See PBS file 2-150177 regarding this. On 8/28/12, phone call made with J. Byrne of OGC to E. Meehan.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Remarks: I explained that the documentation that was provided is not sufficient to close this case. Mr. Meehan stated that he will have his contractor, Vinnie, call me. As of today at 8:49 AM, I have not received a call. bf.12/6/12 Yesterday received letter dated 11/9/12 from Vincent Lovari of Island Environmental Tank Tersting Corp. Tank failed test because of fitting on the vent line. No petroleum release. NFA. bf  
retest and/or removal pending

Material:

Site ID: 441963  
Operable Unit ID: 1192495  
Operable Unit: 01  
Material ID: 2187825  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

UST:

Id/Status: 2-150177 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 06/18/2017  
UTM X: 587470.54966999998  
UTM Y: 4517022.0220799996  
Site Type: Hospital/Nursing Home/Health Care

Affiliation Records:

Site Id: 4572  
Affiliation Type: Facility Owner  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 120 WEST 106TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 870-5000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Affiliation Type: Mail Contact  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: EDWARD MEEHAN  
Address1: 120 WEST 106TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 870-4886  
EMail: EMEEHAN@JHHA.ORG  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572  
Affiliation Type: On-Site Operator  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: JEWISH HOME & HOSP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 870-4886  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572  
Affiliation Type: Emergency Contact  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: JEWISH HOME & HOSP FOR AGED  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 870-4886  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Tank Info:

Tank Number: 004  
Tank ID: 51455  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 15000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Install Date: 01/10/1997  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Fiberglass coated steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21  
Date Test: 10/08/2007  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: DMMOLOUG  
Last Modified: 07/20/2012

Equipment Records:

B04 - Tank External Protection - Fiberglass  
A00 - Tank Internal Protection - None  
F05 - Pipe External Protection - Jacketed  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C02 - Pipe Location - Underground/On-ground  
F04 - Pipe External Protection - Fiberglass  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
K01 - Spill Prevention - Catch Basin  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: 005  
Tank ID: 51456  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 550  
Install Date: 01/01/1997  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Fiberglass coated steel  
Material Code: 0008  
Common Name of Substance: Diesel

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: DMMOLOUG  
Last Modified: 07/20/2012

Equipment Records:

B04 - Tank External Protection - Fiberglass  
A00 - Tank Internal Protection - None  
F05 - Pipe External Protection - Jacketed  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C02 - Pipe Location - Underground/On-ground  
F04 - Pipe External Protection - Fiberglass

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
K01 - Spill Prevention - Catch Basin  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: 101  
Tank ID: 8697  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 18500  
Install Date: 12/01/1962  
Date Tank Closed: 06/01/1996  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
A01 - Tank Internal Protection - Epoxy Liner  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Number: 201  
Tank ID: 8698  
Tank Status: Closed - In Place  
Material Name: Closed - In Place  
Capacity Gallons: 10000  
Install Date: 12/01/1962  
Date Tank Closed: 06/01/1996  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Number: 301  
Tank ID: 8699  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: 12/01/1969  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03  
Date Test: 04/04/2012  
Next Test Date: 04/04/2017  
Pipe Model: Not reported  
Modified By: BKFALVEY  
Last Modified: 09/02/2014

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Number: 401  
Tank ID: 8700  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: 12/01/1962  
Date Tank Closed: 06/01/1996  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0008

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Common Name of Substance: Diesel

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Number: 501  
Tank ID: 43588  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 1000  
Install Date: 05/01/1992  
Date Tank Closed: 08/06/2007  
Registered: True  
Tank Location: Underground  
Tank Type: Equivalent technology  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: MSBAPTIS  
Last Modified: 01/15/2009

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
G03 - Tank Secondary Containment - Vault (w/o access)  
B04 - Tank External Protection - Fiberglass  
H05 - Tank Leak Detection - In-Tank System (ATG)  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
G04 - Tank Secondary Containment - Double-Walled (Underground)

HIST UST:

PBS Number: 2-150177  
SPDES Number: Not reported  
Emergency Contact: JEWISH HOME & HOSP FOR AGED

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Emergency Telephone: (212) 870-4886  
Operator: JEWISH HOME & HOSP FOR AGED  
Operator Telephone: (212) 870-4886  
Owner Name: JEWISH HOME & HOSP FOR AGED  
Owner Address: 120 WEST 106TH ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Owner Telephone: (212) 870-5000  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: JEWISH HOME & HOSP FOR AGED  
Mailing Address: 120 WEST 106TH ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Contact: Not reported  
Mailing Telephone: (212) 870-5000  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: 120 WEST 106 TH STREET  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: OTHER  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/29/1999  
Expiration Date: 06/18/2002  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 20550  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: 1-50177  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 15000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Fiberglass coated steel  
Tank Internal: None  
Tank External: Fiberglass  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: Fiberglass

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Second Containment: Vault (w/access)  
Leak Detection: Electronic  
Overfill Prot: High Level Alarm  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 005  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: DIESEL  
Tank Type: Fiberglass coated steel  
Tank Internal: None  
Tank External: Fiberglass  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: Fiberglass  
Second Containment: Vault (w/access)  
Leak Detection: Electronic  
Overfill Prot: High Level Alarm  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-150177  
Program Type: PBS  
UTM X: 587470.54966999998  
UTM Y: 4517022.0220799996  
Expiration Date: 06/18/2017  
Site Type: Hospital/Nursing Home/Health Care

**Affiliation Records:**

Site Id: 4572  
Affiliation Type: Facility Owner  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: Not reported

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Address1: 120 WEST 106TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 870-5000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572  
Affiliation Type: Mail Contact  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: EDWARD MEEHAN  
Address1: 120 WEST 106TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 870-4886  
EMail: EMEEHAN@JHHA.ORG  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572  
Affiliation Type: On-Site Operator  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: JEWISH HOME & HOSP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 870-4886  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Site Id: 4572  
Affiliation Type: Emergency Contact  
Company Name: JEWISH HOME & HOSPITAL FOR THE AGED  
Contact Type: Not reported  
Contact Name: JEWISH HOME & HOSP FOR AGED  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Phone: (212) 870-4886  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/31/2012

Tank Info:

Tank Number: 006  
Tank Id: 243693  
Material Code: 0008  
Common Name of Substance: Diesel

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1999  
Capacity Gallons: 100  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 07/20/2012  
Material Name: Diesel

SPILLS:

Facility ID: 0512881  
Facility Type: ER  
DER Facility ID: 309295  
Site ID: 359266  
DEC Region: 2  
Spill Date: 2/7/2006  
Spill Number/Closed Date: 0512881 / 10/21/2008  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 2/7/2006

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/7/2006  
Spill Record Last Update: 10/29/2008  
Spiller Name: VINNY LOVARI  
Spiller Company: JEWISH HOME/HOSP  
Spiller Address: 120 WEST 106TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: VINNY LOVARI  
Contact Phone: (718) 509-5900 CELL  
DEC Memo: 02/07/06-Hiralkumar Patel. Spoke with Vinny at Island. they have reported odor in building. when vinny check on site, he found a rock on top of PLASTIC vent pipe. because of pressure, vent pipe has busted off from elbow. vent pipe is south side of building. spill happened on soil. vinny found that there was no glue at fittings in vent pipe. he has dug out 3-4 drums of contaminated soil. he will continue digging tomorrow until he hit clean soil and send out samples for testing. as per Vinny, approximately 10-15 gal was spilled. spill happened at location of 15,000 gal tank. once vinny done with soil excavation, he will test each tank. as per vinny, there is less odor in building now as they are digging soil. At the end, they will put vent pipe in secondary containment. Engineer at site: Mr. Mark Scioia (skee-o-ah)(212) 870-4886. 2/16/06 - Raphael Ketani. I tried calling the engineering department at the site ((212) 870-4886), but no one was there to talk to me. I just left a message. I tried calling Island Tank, but no one picked up the phone. 2/17/06 - Raphael Ketani. Mr. Scioia returned my call. He said that 55 drums of material were taken away. He said that the insurance company wanted him to have the tank and its system tightness tested, but they found that some things needed replacing. So they are in the process of replacing many of the seals to the tank. He also said that they are repairing the venting system. However, there are no odors in the building. Mr. Scioia added that they are installing a double walled containment for the fill pipe and the vent pipe. I told him that I will be waiting for a report once everything is done, including end point sample results. He said that I will receive it. 3/17/06 - Raphael Ketani. I spoke to Mr. Scioia about the cleanup. He said they are still waiting for the end point sample results and that the double walled pipe for fill pipe containment took long to get. I told him to send me the analytical results as soon as he gets them. He said he would. 4/18/06 - Raphael Ketani. I tried to reach Mr. Scioia, but could only leave a voice mail message. 4/21/06 - Raphael Ketani. I tried to call Mr. Scioia, but could only leave a voice mail. 6/20/06 - Raphael Ketani. I tried calling Mr. Scioia, but could only leave a voice mail. 7/5/06 - Raphael Ketani. I contacted Mr. Scioia. He said that he is still trying to get the guy who did the soil tests to submit the results. However, the guy keeps telling him that he is very busy and will get to it later. I told Mr. Scioia to keep

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trying.7/6/06 - Raphael Ketani. Vinny of Island Tank called (718) 967-9424. He said that his company is working on repairing the tank system and he had to order parts from Cardinal Tank. He said the vent line is being replaced, a fuel line, removal of debris and other work. He said he will send a report soon, but he still has some things to straighten out at the site.7/19/06 - Raphael Ketani. Alan Walsh of Island Tank called to say that there has been no work on the site as Mr. LaGuardia is out of town. 8/2/06 - Raphael Ketani. I couldn't get ahold of Vinny so I spokewith Mr. Walsh. He said that Vinny will be going out to the site to do some work. However, he will have him give me a call back.8/8/06 - Raphael Ketani. I tried calling Vinny, but he wasn't in. So I spoke to Mr. Walsh. He said that he thought there was still work to be done at the site and that there is paperwork to be processed.8/23/06 - Raphael Ketani. I tried calling Vinny, but could only get Mr. Walsh. He said that Vinny was still doing repairs at the site. However, Mr. Walsh said he will find out for sure and get back to me. 11/7/06 - Raphael Ketani. I tried to contact Vinny, but could only leave a message with the receptionist. I contacted Mr. Scioia and he told me he just got the soil analyticals. He is going to FAX me the results tomorrow after he reviews them tonight. I told him that I will also need a cover letter stating what the tank system problem was, what was done to repair the system, and what the final outcome was for the tank (it's being removed despite the fact that it is in good shape - it's an insurance liability issue). He said that the tank was actually for another building, but that building is going to use gas. So the tank will be removed. I told him to send a revised PBS registration form. He said he will. 3/21/06 - Raphael Ketani. I tried to get ahold of Mr. Scioia and Vinny, but could only leave voice mails. 7/26/07 - Raphael Ketani. The PBS case is #2-150177. The 15,000 gal. tank is listed as in service even though it has been removed.I tried to reach Vinny, but could only leave a message with the answering service. I told the operator that the message is urgent and to have Vinny call me back as soon as possible. I tried to reach Mr. Scioia, but could only leave a message.Vinny called me back. He said that he had half the tank out now, but he had to hire a structural engineer to look over the situation. He had to shore up and reinforce a loading dock area before removing the other half of the tank. He thought it will be at least 3 weeks before he finishes his work. His cell is (718) 708-3425. 10/17/07 - Raphael Ketani. I tried to contact Vinny, but got his wife. She said that he had to postpone completing the work as his father had a stroke. She said that he will get back to me. 10/18/07 - Raphael Ketani. Vinny called me back. He said that it's still a big job left to do. He said that he has to take more soil out and then take end points and do other work. 12/3/07 - Raphael Ketani. I spoke to Vinny. He said that they dug down to the footing of the building to remove the #6 oil that was there. This was 18 feet. He said they can't go any further. I told him to send DEC an official letter stating why they can't dig further. He said they pulled the 1100 gal. tank and found #6 oil under it, too. He said they are digging this oil out. He added that they hand dug under the loading dock where there is more #6 oil. He said that the 15,000 gal. tank is out, too. The only tank that is left to pull is the 5000 gal. tank. Vinny told me that there are no vapors in the building. He said this is because the oil is congealed. He thinks it's very old oil. He's hoping to finish the digging and the job soon. 1/31/08 - Raphael Ketani. I spoke to Vinny. He said that they just need to clean the

**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

foundation and epoxy it. He said that the paperwork will follow in about 2 weeks.3/31/08 - Raphael Ketani. I tried to contact Vinny (cell (718) 708-3425/(718) 967-9424), but could only leave a message.4/4/08 - Raphael Ketani. Vinny called me back. He said that he had been out for awhile because he had family issues to deal with. He said that he had essentially completed the remediation report and that DEC should get it very soon. I told him that the DEC has been waiting for a long time for this report and that we're very anxious to get it. He said we'll get it soon.07/01/08-Vought-See also closed spill #0609452 at same location. (This case involves the finding of an old fuel tank that had been concreted shut. Every time it rains, some oil comes through the walls of the building. Vinny will investigate it. - Raphael Ketani)7/24/08 - Raphael Ketani. I tried to contact Vinny regarding the closer report he said I would soon receive. However, I could only leave a message.Vinny called me back. He said that he finally received payment for the work he did from the Jewish Home. He said I should receive the report by the end of next week. 8/15/08 - Raphael Ketani. I tried to contact Vinny to request the closure report, but could only leave a message with his secretary.8/18/08 - Raphael Ketani. I spoke to Vinny. He said he is still working on the closure report. He said he hopes to walk it over to DEC next week. He said the problem was that the oil kept seeping back and he didn't want it to contaminate his clean fill. So he was collecting a little at a time. He said he wanted to do a thorough job and get the problem fixed for once and for all.The case is being prepared for transfer due to a case realignment within the unit. The case manager will have to make followup calls to request the closure report from Vinny.9/9/08 - Raphael Ketani. I received a remediation report dated 8/27/07 from Vinny Lovari. The report dealt only with the removal of the 20,000 gal. tank, and associated contaminated soil, that was the subject of spill #0609452 - an associated case. There is no mention of the 1100 gal. tank, nor the 5000 gal. tank. I sent Vinny Lovari a letter requesting an update on the status of the remediation of the locations where these two tanks are (or were) and a remediation report for them.9/16/08 - Raphael Ketani. Vinny Lovari called to give me an update. He said that the tank discussed in the 8/27/07 report is 20,000 gals. He said that from the dimensions, the capacity was calculated. It's NOT 18,500 gals. Also, he said that he will pull the 1,080 gal. tank. A 15,000 gal. tank and a 550 gal. tank are in service with #2 oil and are under the driveway. There is a 5,000 gal. tank under the sidewalk along 106 Street, but the Jewish Home and Hospital hasn't decided what to do with it. A vent pipe is also being replaced. DEC will get the vent pipe report and the 1,080 gal. tank removal report sometime next week.9/31/08 - Raphael Ketani. I received the 15,000 gal. tank vent line remediation and replacement report dated 6/7/06. The soil samples showed contamination that was well below TAGM. I had no comments.10/21/08 - Raphael Ketani. I spoke to Ed Meehan, Head of Engineering at the Jewish Home and Hospital (212) 870-4886. He was calling to clarify what the situation was at the site regarding all of the remediation work. He said that all of the work had been done at the site for removal of the leaking 20,000 gal. tank and the associated contaminated soil. He said this is spill case #0609452 and was closed by Sharif Rahman of Region 2 Spills. He said that the 15,000 gal., 5,000 gal. and 550 gal. tanks are all in service, and are not part of the remediation project. He said that the only other remediation items were the vent line replacement and soil remediation. Mr. Meehan said that this was the only thing that

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belonged to case #0512881. I told Mr. Meehan that I had received the report and that the soil analytical results were below TAGM. He added that a 550 gal. diesel tank had been removed some years ago, but it was replaced with another 550 gal. diesel tank. Lastly, he said that the 1,080 gal. tank (NOT a 1,000 gal. tank as currently listed) was removed in order to get to the 20,000 gal. tank. Mr. Meehan said that this tank never had a problem - it was just right in the way. He asked whether I had ever received the 1,080 report. I told him that I hadn't. He said that he will speak to Vinny and get him to send this report. I told him that PBS case #2-150177 shows the 15,000 gal. tank, 550 gal. tank, and 1,000 gal. tank as in service and the 18,500 gal. tank, a 550 gal. tank and a 10,000 gal. tank as closed and/or removed. I told him that the PBS registration has to be corrected to reflect the correct capacity and status of each tank. He said he will make the corrections himself. A little while later, Vinny called me up. He said that he will deliver the 1,080 gal. tank removal report. I told him that will be fine. Based upon the 6/7/06 remedial report and the 8/27/07 remedial report, I am closing the spill case. 10/29/08 - Raphael Ketani. Today I received the UST Closure Report from Island Environmental Tank, Inc. for the 1080 gal. tank removal. I reviewed the report. It contained soil end point sample analytical results. The results were all either non-detect or very low hits. Soil manifests and pictures were included in the report. I had no comments.

Remarks: BROKEN LINE AT THIS FACILITY, REPAIRING AT THIS TIME

Material:

Site ID: 359266  
Operable Unit ID: 1116488  
Operable Unit: 01  
Material ID: 2106898  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0609452  
Facility Type: ER  
DER Facility ID: 309295  
Site ID: 373697  
DEC Region: 2  
Spill Date: 11/16/2006  
Spill Number/Closed Date: 0609452 / 7/1/2008  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported

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**JEWISH HOME & HOSPITAL FOR THE AGED (Continued)**

**U001833370**

Reported to Dept: 11/16/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/16/2006  
Spill Record Last Update: 7/1/2008  
Spiller Name: MARK SICORA  
Spiller Company: NURSING CARE BUILDING  
Spiller Address: 120 WEST 106TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: VINNY LOVRI  
Contact Phone: (718) 708-3425 CELL  
DEC Memo: Sangesland played telephone tag with Vinny at Island tank. Unknown what is going on with this tank.07/01/08-Vought-This spill closed and referred to open spill #0512881 being currently managed by DEC Ketani at same location. Spill closed by Vought.  
Remarks: CALLER FOUND AN OLD TANK THAT SOMEONE CONCRETED SHUT: WHE IT RAINS IT COMES THROUGH THE WALLS; TOMORROW HE WILL BREAK CONCRETE AND INVESTIGATE  
Material:  
Site ID: 373697  
Operable Unit ID: 1131398  
Operable Unit: 01  
Material ID: 2121098  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**L178**  
**South**  
**< 1/8**  
**0.104 mi.**  
**550 ft.**

**JEWISH HOME & HOSPITAL**  
**120 W 106TH ST**  
**NEW YORK, NY 10025**  
**Site 12 of 25 in cluster L**

**RCRA NonGen / NLR** **1001233225**  
**FINDS** **NYR000063750**  
**NY MANIFEST**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: JEWISH HOME & HOSPITAL  
Facility address: 120 W 106TH ST  
NEW YORK, NY 10025  
EPA ID: NYR000063750

**Actual:**  
**103 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL (Continued)**

**1001233225**

Mailing address: W 106TH ST  
NEW YORK, NY 10025  
Contact: ELIAS MARTINEZ  
Contact address: W 106TH ST  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: (212) 870-4886  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: JEWISH HOME & HOSPITAL  
Owner/operator address: 120 W 106TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 870-4886  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: JEWISH HOME & HOSPITAL  
Owner/operator address: 120 W 106TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 870-4886  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 01/01/2006  
Site name: JEWISH HOME & HOSPITAL  
Classification: Not a generator, verified

Date form received by agency: 11/23/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL (Continued)**

**1001233225**

Site name: JEWISH HOME & HOSPITAL  
Classification: Small Quantity Generator  
. Waste code: D009  
. Waste name: MERCURY

Violation Status: No violations found

**FINDS:**

Registry ID: 110004548954

**Environmental Interest/Information System**

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

**AIR SYNTHETIC MINOR**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

**NY MANIFEST:**

EPA ID: NYR000063750  
Country: USA  
Location Address 1: 120 W 106TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: JEWISH HOME & HOSPITAL  
Contact: EARLE WHARWOOD  
Address: 120 W 106TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-870-4886

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL (Continued)**

**1001233225**

Manifest:

Document ID: CTF0756838  
Manifest Status: Not reported  
Trans1 State ID: CT332492  
Trans2 State ID: Not reported  
Generator Ship Date: 01/14/1999  
Trans1 Recv Date: 01/14/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/15/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000063750  
Trans1 EPA ID: CT5000001495  
Trans2 EPA ID: Not reported  
TSDF ID: CT5000001495  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00250  
Units: P - Pounds  
Number of Containers: 025  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

Document ID: CTF0887347  
Manifest Status: Not reported  
Trans1 State ID: CTJ32492  
Trans2 State ID: Not reported  
Generator Ship Date: 01/11/2000  
Trans1 Recv Date: 01/11/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/12/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000063750  
Trans1 EPA ID: CT5000001495  
Trans2 EPA ID: Not reported  
TSDF ID: CT5000001495  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00400  
Units: P - Pounds  
Number of Containers: 027  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 2000

Document ID: CTF0877489  
Manifest Status: Not reported  
Trans1 State ID: CTJ32492  
Trans2 State ID: Not reported  
Generator Ship Date: 09/09/1999  
Trans1 Recv Date: 09/09/1999  
Trans2 Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOME & HOSPITAL (Continued)**

1001233225

TSD Site Recv Date: 09/10/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000063750  
Trans1 EPA ID: CT5000001495  
Trans2 EPA ID: Not reported  
TSD ID: CT5000001495  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00500  
Units: P - Pounds  
Number of Containers: 031  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

Document ID: CTF0757073  
Manifest Status: Not reported  
Trans1 State ID: CTJ32492  
Trans2 State ID: Not reported  
Generator Ship Date: 03/23/1999  
Trans1 Recv Date: 03/23/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/24/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000063750  
Trans1 EPA ID: CT5000001495  
Trans2 EPA ID: Not reported  
TSD ID: CT5000001495  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00200  
Units: P - Pounds  
Number of Containers: 016  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

J179  
ESE  
< 1/8  
0.105 mi.  
552 ft.

219446; 193 MANHATTAN AVENUE AND W 108 STREET  
193 MANHATTAN AVENUE AND W 108 STREET  
MANHATTAN, NY  
Site 7 of 15 in cluster J

NY Spills S110307584  
N/A

Relative:  
Lower

SPILLS:

Actual:  
64 ft.

Facility ID: 0914653  
Facility Type: ER  
DER Facility ID: 388669  
Site ID: 433789  
DEC Region: 2  
Spill Date: 12/1/2009  
Spill Number/Closed Date: 0914653 / 7/8/2010  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

219446; 193 MANHATTAN AVENUE AND W 108 STREET (Continued)

S110307584

SWIS: 3101  
Investigator: dmpokrzy  
Referred To: Not reported  
Reported to Dept: 12/31/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/27/2010  
Spill Record Last Update: 7/8/2010  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: 5030 BROADWAY  
Spiller City,St,Zip: New York, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: 07/08/2010 See eDocs for Con Ed report detailing cleanup and closure

DMP  
Remarks: Not reported

Material:  
Site ID: 433789  
Operable Unit ID: 1184638  
Operable Unit: 01  
Material ID: 2179119  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

J180  
ESE  
< 1/8  
0.105 mi.  
552 ft.

193 MANHATTAN AVE  
193 MANHATTAN AVE  
MANHATTAN, NY  
Site 8 of 15 in cluster J

NY Spills S102961662  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 9709567  
Facility Type: ER  
DER Facility ID: 189863  
Site ID: 230369  
DEC Region: 2  
Spill Date: 11/17/1997

Actual:  
64 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**193 MANHATTAN AVE (Continued)**

**S102961662**

Spill Number/Closed Date: 9709567 / 12/16/1997  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 11/18/1997  
CID: 370  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/18/1997  
Spill Record Last Update: 7/14/2003  
Spiller Name: RICH KALISTA  
Spiller Company: BELL ATLANTIC  
Spiller Address: 2203 MCCONNELL ST  
Spiller City,St,Zip: BELLMORE, NY  
Spiller Company: 001  
Contact Name: DAVE SHAND  
Contact Phone: (212) 369-9983  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was  
"TIBBE"CLEANED UP BY RP.  
Remarks: FUEL LINE TO GENERATOR ON ROOF LET GO - SPILL TO ROOF - SPILL  
CONTAINED CLEANUP IN PROGRESS

Material:  
Site ID: 230369  
Operable Unit ID: 1055934  
Operable Unit: 01  
Material ID: 327909  
Material Code: 0012A  
Material Name: Kerosene  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 100  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9708280  
Facility Type: ER  
DER Facility ID: 189863  
Site ID: 230368  
DEC Region: 2  
Spill Date: 10/14/1997  
Spill Number/Closed Date: 9708280 / 10/15/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

193 MANHATTAN AVE (Continued)

S102961662

Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 10/15/1997  
CID: 246  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/15/1997  
Spill Record Last Update: 12/23/2003  
Spiller Name: JOHN MEERE  
Spiller Company: BELL ATLANTIC  
Spiller Address: 193 MANHATTAN AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: JOHN MEERE  
Contact Phone: (212) 749-9932  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CLEANED BY MILRO FOR NYNEX.  
Remarks: MR MEERE NOTIFIED REPORTING PERSON TO ARRANGE FOR CLEANUP OF MATERIAL AT LOCATION - NO FURTHER INFORMATION AVAILABLE

Material:  
Site ID: 230368  
Operable Unit ID: 1051510  
Operable Unit: 01  
Material ID: 330261  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

J181  
ESE  
< 1/8  
0.105 mi.  
552 ft.

**NY TELEPHONE DBA VERIZON NEW YORK INC**  
**193 MANHATTAN AVE**  
**NEW YORK, NY 10036**  
**Site 9 of 15 in cluster J**

**RCRA-SQG** 1000136898  
**FINDS** NYD982726234  
**NY TANKS**  
**NJ MANIFEST**  
**NY MANIFEST**

**Relative:**  
**Lower**

RCRA-SQG:

Date form received by agency: 03/27/2008

Facility name: NY TELEPHONE DBA VERIZON NEW YORK INC

Facility address: 193 MANHATTAN AVE

NEW YORK, NY 10036

EPA ID: NYD982726234

Mailing address: FULTON AVE ROOM 409

HEMPSTEAD, NY 11550

Contact: JOHN N QUATRALE

Contact address: FULTON AVE ROOM 409

HEMPSTEAD, NY 11550

Contact country: US

Contact telephone: (516) 292-8166

Contact email: JOHN.N.QUATRALE@VERIZON.COM

EPA Region: 02

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: VERIZON NEW YORK INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1917

Owner/Op end date: Not reported

Owner/operator name: VERIZON NEW YORK INC

Owner/operator address: WEST ST  
NEW YORK, NY 10007

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1917

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

Historical Generators:

Date form received by agency: 03/26/2008  
Site name: NY TELEPHONE DBA VERIZON NEW YORK INC  
Classification: Small Quantity Generator

Date form received by agency: 01/01/2006  
Site name: NEW YORK TELEPHONE CO  
Classification: Not a generator, verified

Date form received by agency: 01/01/2001  
Site name: BELL ATLANTIC - NY  
Classification: Large Quantity Generator

Date form received by agency: 07/08/1999  
Site name: NEW YORK TELEPHONE CO  
Classification: Not a generator, verified

Date form received by agency: 03/21/1989  
Site name: NEW YORK TELEPHONE CO  
Classification: Large Quantity Generator

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110004428049

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110043190043

Environmental Interest/Information System

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

TANKS:

Facility Id: 2-344877  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 12/14/2017  
UTM X: 587733.56143  
UTM Y: 4517119.6177599998

NJ MANIFEST:

EPA Id: NYD982726234  
Mail Address: LIVINGSTON ST  
Mail City/State/Zip: BROOKLYN, NY 11201  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: Not reported  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 000895907GBF  
EPA ID: NYD982726234  
Date Shipped: 3/10/2011  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJD003812047  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: Not reported  
Generator EPA Facility Name: VERIZON WIRELESS  
Transporter-1 EPA Facility Name: ALLSTATE POWER VAC INC  
TSDf EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 3/10/2011  
Waste SEQ ID: 3.00  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 3/16/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: BROOKLYN, NY 11201  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H141  
Quantity: 2.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D002  
Hand Code: H141  
Quantity: 300.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H061  
Quantity: 150.00 Pounds

Manifest Number: 000895907GBF  
EPA ID: NYD982726234  
Date Shipped: 3/10/2011  
TSDf EPA ID: NJD002200046  
Transporter EPA ID: NJD003812047  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: Not reported  
Generator EPA Facility Name: VERIZON WIRELESS  
Transporter-1 EPA Facility Name: ALLSTATE POWER VAC INC  
TSDf EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 3/10/2011  
Waste SEQ ID: 1.00  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 3/16/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: BROOKLYN, NY 11201  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H141  
Quantity: 2.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D002  
Hand Code: H141  
Quantity: 300.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H061  
Quantity: 150.00 Pounds

Manifest Number: 000405013GBF  
EPA ID: NYD982726234  
Date Shipped: 03/17/2008  
TSDf EPA ID: NJD002200046  
Transporter EPA ID: NJD003812047  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/17/2008  
Date Trans2 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 03/25/2008  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: BROOKLYN, NY 11201  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2008 New Jersey Manifest Data  
Waste Code: D002  
Hand Code: H141  
Quantity: 10 P

Manifest Year: 2008 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H061  
Quantity: 800 P

Manifest Number: 000895907GBF  
EPA ID: NYD982726234  
Date Shipped: 3/10/2011  
TSDF EPA ID: NJD002200046  
Transporter EPA ID: NJD003812047  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: Not reported  
Generator EPA Facility Name: VERIZON WIRELESS  
Transporter-1 EPA Facility Name: ALLSTATE POWER VAC INC  
TSDF EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 3/10/2011  
Waste SEQ ID: 2.00  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 3/16/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: BROOKLYN, NY 11201  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H141  
Quantity: 2.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D002  
Hand Code: H141  
Quantity: 300.00 Pounds

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D001  
Hand Code: H061  
Quantity: 150.00 Pounds

NY MANIFEST:

EPA ID: NYD982726234  
Country: USA  
Location Address 1: 193 MANHATTAN AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10007  
Location Zip Code 4: Not reported

Mailing Info:

Name: BELL ATLANTIC  
Contact: JOHN QUATRALE  
Address: 221 EAST 37TH ST - 4TH FL  
City/State/Zip: NEW YORK, NY 10016  
Country: USA  
Phone: 212-338-7045

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)

1000136898

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 03/10/2011  
Trans1 Recv Date: 03/10/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/16/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 300.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 000895907GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 03/10/2011  
Trans1 Recv Date: 03/10/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/16/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 150.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)

1000136898

Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 000895907GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H061

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 03/10/2011  
Trans1 Recv Date: 03/10/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/16/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 000895907GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Generator Ship Date: 03/17/2008  
Trans1 Recv Date: 03/17/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/25/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 800.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000405013GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H061

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 03/17/2008  
Trans1 Recv Date: 03/17/2008  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/25/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 10.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000405013GBF  
Import Ind: N  
Export Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)

1000136898

Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: MAH7212800  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: MD102E84  
Trans2 State ID: Not reported  
Generator Ship Date: 06/30/1994  
Trans1 Recv Date: 06/30/1994  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/30/1994  
Part A Recv Date: 07/21/1994  
Part B Recv Date: 08/09/1994  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: MAD039322250  
Trans2 EPA ID: Not reported  
TSDf ID: MAD980523203  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00010  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00005  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1994

Document ID: NYG0689364  
Manifest Status: Not reported  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 05/07/1999  
Trans1 Recv Date: 05/07/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/21/1999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: AZD983473539  
Trans2 EPA ID: Not reported  
TSD ID: AZ0000337360  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01557  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 008  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NYA7205391  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 03/27/1989  
Trans1 Recv Date: 03/27/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/27/1989  
Part A Recv Date: 05/05/1989  
Part B Recv Date: 04/05/1989  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: NYD981185903  
Trans2 EPA ID: Not reported  
TSD ID: NYD082785429  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00400  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1989

Document ID: NYG1733004  
Manifest Status: Not reported  
Trans1 State ID: AZ002  
Trans2 State ID: Not reported  
Generator Ship Date: 11/16/1999  
Trans1 Recv Date: 11/16/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/29/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: AZ0000337360  
Trans2 EPA ID: Not reported  
TSD ID: AZD983473539  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00009  
Units: P - Pounds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY TELEPHONE DBA VERIZON NEW YORK INC (Continued)**

**1000136898**

Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NYG1732977  
Manifest Status: Not reported  
Trans1 State ID: AZ002  
Trans2 State ID: Not reported  
Generator Ship Date: 11/16/1999  
Trans1 Recv Date: 11/16/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/29/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD982726234  
Trans1 EPA ID: AZ0000337360  
Trans2 EPA ID: Not reported  
TSD ID: AZD983473539  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00288  
Units: P - Pounds  
Number of Containers: 015  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00450  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 1999

**L182**  
**South**  
**< 1/8**  
**0.105 mi.**  
**553 ft.**

**107 W. 106TH STREET**  
**107 W. 106TH STREET**  
**MANHATTAN, NY**  
**Site 13 of 25 in cluster L**

**NY Spills S102672861**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9415828  
Facility Type: ER  
DER Facility ID: 185668  
Site ID: 224936  
DEC Region: 2  
Spill Date: 3/7/1995  
Spill Number/Closed Date: 9415828 / 11/22/1996  
Spill Cause: Deliberate  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/7/1995

**Actual:**  
**101 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**107 W. 106TH STREET (Continued)**

**S102672861**

CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/11/1995  
Spill Record Last Update: 2/23/2004  
Spiller Name: Not reported  
Spiller Company: RIMA 106 LP  
Spiller Address: 211 W. 106TH  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"HANDLED BY DEP. FAX TO IWCS.

Remarks: DUMPING OIL INTO SUMP PUMP HOLE

Material:  
Site ID: 224936  
Operable Unit ID: 1009273  
Operable Unit: 01  
Material ID: 371005  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

J183  
SE  
< 1/8  
0.105 mi.  
553 ft.

**CON EDISON MANHOLE 17853**  
**67 W 107TH ST**  
**NEW YORK, NY 10025**  
**Site 10 of 15 in cluster J**

**RCRA NonGen / NLR** 1014926797  
**NJ MANIFEST** NYP004245825  
**NY MANIFEST**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency:03/06/2012  
Facility name: CON EDISON MANHOLE 17853  
Site name: CON EDISON - MANHOLE 17853  
Facility address: 67 W 107TH ST  
NEW YORK, NY 10025  
EPA ID: NYP004245825  
Mailing address: IRVING PL  
NEW YORK, NY 10003  
Contact: DENNIS HUACON  
Contact address: Not reported

**Actual:**  
**70 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 17853 (Continued)**

**1014926797**

Contact country: Not reported  
Contact telephone: US  
(212) 460-2757  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: CONSOLIDATED EDISON CO OF NY INC  
Owner/operator address: IRVING PLACE, 15TH FL  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 12/22/2011  
Owner/Op end date: Not reported

Owner/operator name: CON EDISON CO OF NY INC  
Owner/operator address: IRVING PL 15TH FL  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 12/22/2011  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

**Historical Generators:**

Date form received by agency: 01/21/2012  
Site name: CON EDISON MANHOLE 17853  
Classification: Not a generator, verified  
Date form received by agency: 12/22/2011  
Site name: CON EDISON MANHOLE 17853

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 17853 (Continued)**

**1014926797**

Classification: Conditionally Exempt Small Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D008  
Waste name: LEAD  
Amount (Lbs): 4000

Violation Status: No violations found

NJ MANIFEST:

EPA Id: NYP004245825  
Mail Address: 4 IRVING PL, RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: BENJAMIN BAMONTE  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSDf Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 009204529JJK  
EPA ID: NYP004245825  
Date Shipped: 12/22/2011  
TSDf EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: Not reported  
Generator EPA Facility Name: CONSOLIDATED EDISON CO OF NY MH #17853  
Transporter-1 EPA Facility Name: CLEAN VENTURE, INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 17853 (Continued)**

**1014926797**

TSDF EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 12/22/2011  
Waste SEQ ID: 1.00  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 12/22/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111  
Quantity: 4,000.00 Pounds

NY MANIFEST:

EPA ID: NYP004245825  
Country: USA  
Location Address 1: 67 WEST 107TH ST.  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONED  
Contact: CONED  
Address: 4 IRVING PLACE  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 12/22/2011  
Trans1 Recv Date: 12/22/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/22/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004245825

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 17853 (Continued)**

**1014926797**

Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDf ID: NJD002200046  
Waste Code: Not reported  
Quantity: 4000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 009204529JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**P184  
NW  
< 1/8  
0.105 mi.  
557 ft.**

**244 WEST 109 STREET  
244 WEST 109 STREET  
NEW YORK, NY 10025  
Site 2 of 6 in cluster P**

**NY AST A100291904  
N/A**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-610083  
Program Type: PBS  
UTM X: 587254.62066999997  
UTM Y: 4517386.3034800002  
Expiration Date: 09/21/2009  
Site Type: Apartment Building/Office Building

**Actual:  
109 ft.**

Affiliation Records:  
Site Id: 357420  
Affiliation Type: Facility Owner  
Company Name: 244 WEST 109TH STREET, LLC  
Contact Type: MEMBER  
Contact Name: JOSEPH O. BRUSCO  
Address1: 163 WEST 74 STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 595-9590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/29/2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**244 WEST 109 STREET (Continued)**

**A100291904**

Site Id: 357420  
Affiliation Type: Mail Contact  
Company Name: 244 WEST 109TH STREET, LLC  
Contact Type: Not reported  
Contact Name: JOSEPH O. BRUSCO, MEMBER  
Address1: 163 WEST 74 STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 595-9590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/29/2005

Site Id: 357420  
Affiliation Type: On-Site Operator  
Company Name: 244 WEST 109 STREET  
Contact Type: Not reported  
Contact Name: LOUIS GONZALEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 595-9590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/29/2005

Site Id: 357420  
Affiliation Type: Emergency Contact  
Company Name: 244 WEST 109TH STREET, LLC  
Contact Type: Not reported  
Contact Name: JOSEPH O. BRUSCO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 595-9590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/29/2005

Tank Info:

Tank Number: 001  
Tank Id: 209444  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

244 WEST 109 STREET (Continued)

A100291904

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L00 - Piping Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 08/07/2006  
Register: True  
Modified By: CGFREEDM  
Last Modified: 08/08/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

K185  
WNW  
< 1/8  
0.107 mi.  
564 ft.

APARTMENT BUILDING  
246 WEST 108TH STREET  
NEW YORK, NY 10025

NY LTANKS S107789273  
NY Spills N/A

Site 3 of 8 in cluster K

Relative:  
Higher

LTANKS:

Actual:  
110 ft.

Site ID: 363259  
Spill Number/Closed Date: 0601098 / 5/2/2006  
Spill Date: 4/28/2006  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 4/28/2006  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/28/2006  
Spill Record Last Update: 5/2/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S107789273**

Spiller Name: JIMMY  
Spiller Company: APARTMENT  
Spiller Address: 246 WEST 108TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: JIMMY  
Spiller Phone: (718) 585-5314  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 313449  
DEC Memo: 05/02/06-Hiralkumar Patel. REceived call from Mr. Lewis from Eastmond. as per him, property has 2000 gas AST on legs. tank outside walls are dry. when he did test again, he found leak from one of the welding joints. reapirod it and tested again. tank passed the test. REceived closure report in fax. work performed on site:- cut open tank, pumped out squeegee cleaned and gas freed tank- removed partial cement block jacket for visual inspection- discovered interior seam with signs of seperation.- welded seam from interior and welded patch back in place- perform tank only test and tank passed- perform line test. - fill and vent lines showed signs of corrosion. customer has been advised to have fill and vent lines replaced before next heating season. suction and return lines passes air test and appear to be in good condition.- tank is sitting on cement saddle (about 3" above grade), and wrapped in cement block (as secondary containment)- four cement blocks with staining were removed.based on available information, case is closed.  
Remarks: Not reported

Material:  
Site ID: 363259  
Operable Unit ID: 1121322  
Operable Unit: 01  
Material ID: 2110816  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 363259  
Spill Tank Test: 1549932  
Tank Number: 1  
Tank Size: 2500  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 4/28/2006  
Test Method: Horner EZ Check I or II

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT BUILDING (Continued)

S107789273

SPILLS:

Facility ID: 0501425  
Facility Type: ER  
DER Facility ID: 22079  
Site ID: 345561  
DEC Region: 2  
Spill Date: 11/1/2004  
Spill Number/Closed Date: 0501425 / 5/17/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:

3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 5/4/2005  
CID: 407  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/4/2005  
Spill Record Last Update: 5/17/2006  
Spiller Name: NOEL INTNER  
Spiller Company: ACCORD REALITY SERVICES  
Spiller Address: 246 WEST 108TH ST  
Spiller City,St,Zip: MANHATTAN, NY 10025  
Spiller Company: 001  
Contact Name: NOEL INTNER  
Contact Phone: (212) 278-0660  
DEC Memo:

Sent Contaminated Soil Letter Accord Realty 55 West 45th St - 7th flr New York, NY 10036 Attn: Noel Intner 05/17/05 - Sawyer - Site visit performed on 5/5/05. There was contamination and a stain around the boiler and the concrete was saturated. Borings in this area must be analyzed for the extent of contamination. 12/20/05-Sharif// I called Accord Realty (Noel Intner, 212-278-0660) to follow up about the remedial work and left message. 02/23/06 Sharif Rahman- I spoke with Lilly Castillo of Accord Realty and faxed (212-278-0889) her a letter asking necessary documentation regarding the spill clean up. The letter was sent to the attention of Noel Intner. 05/08/06 Sharif Rahman- I called Noel Intner, (212) 278-0660 this morning and he indicated that a consultant has been hired to do the investigation and remediation work. 05/17/06 Sharif Rahman- AL Eastmond was retained to do the investigation and clean up. Eastmond broke cement floor from three sides of the boiler and took end point samples. Samples came back clean. No visible stain or odor were present. NFA required.

Remarks: Caller states oil pump constantly leaks oil, fire department comes and shuts it off, landlord puts it back on. accord reality is aware of the violation and is not cooperating in fixing the pump or cleaning the spill.

Material:

Site ID: 345561

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S107789273**

Operable Unit ID: 1103279  
Operable Unit: 01  
Material ID: 583491  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**K186**  
**WNW**  
**< 1/8**  
**0.107 mi.**  
**564 ft.**

**246 W. 108TH , LLC**  
**246 W. 108TH ST.**  
**MANHATTAN, NY**  
**Site 4 of 8 in cluster K**

**NY Spills S106969220**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**110 ft.**

Facility ID: 0503738  
Facility Type: ER  
DER Facility ID: 294806  
Site ID: 348412  
DEC Region: 2  
Spill Date: 6/28/2005  
Spill Number/Closed Date: 0503738 / 7/1/2005  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 6/28/2005  
CID: 406  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/28/2005  
Spill Record Last Update: 7/1/2005  
Spiller Name: NOEL INTNER  
Spiller Company: ACCORD REALTY SERVICES IN  
Spiller Address: 55 W. 45TH ST. 7TH FLOOR  
Spiller City,St,Zip: MANHATTAN, NY 10036-4604  
Spiller Company: 001  
Contact Name: ALBERT VICTORIA  
Contact Phone: (212) 865-6717  
DEC Memo: 07/01/05- SR// Sharif visited the site on 06/30/05. There is no evidence of any oil spill. At the entrance of basement door, the floor

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**246 W. 108TH , LLC (Continued)**

**S106969220**

Remarks: is wet and smelt like urine not oil. No apparent leak/spill on the tank system.  
 Historical leak in the fuel line in mid April 2005. This was fixed but another slow leak was found. This spill was also fixed but the clean up from the first spills was never done. Material is still accumulating in the basement at a slow rate. Floor is broken up concrete. Caller has reported this before and had no response. Caller is getting ill from the petroleum odor in the building. Chris Sawyer was notified during the original spill. Super never followed through with the clean up instructions.

Material:  
 Site ID: 348412  
 Operable Unit ID: 1106066  
 Operable Unit: 01  
 Material ID: 1968560  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**K187  
 WNW  
 < 1/8  
 0.107 mi.  
 564 ft.**

**246 WEST 108TH, LLC  
 246 WEST 108TH STREET  
 NEW YORK, NY 10025  
 Site 5 of 8 in cluster K**

**NY AST U003395564  
 N/A**

**Relative:  
 Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-600163  
 Program Type: PBS  
 UTM X: 587246.28316999995  
 UTM Y: 4517330.12292  
 Expiration Date: 04/08/2019  
 Site Type: Apartment Building/Office Building

**Actual:  
 110 ft.**

Affiliation Records:  
 Site Id: 22148  
 Affiliation Type: Mail Contact  
 Company Name: GREYFUS REALTY MGMT LLC  
 Contact Type: Not reported  
 Contact Name: 246 WEST 108TH, LLC  
 Address1: 231 FRONT STREET  
 Address2: CELLAR  
 City: BROOKLYN  
 State: NY  
 Zip Code: 100  
 Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**246 WEST 108TH, LLC (Continued)**

**U003395564**

Phone: (718) 625-2039  
EMail: ATLAS212@AOL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/2/2014

Site Id: 22148  
Affiliation Type: On-Site Operator  
Company Name: 246 WEST 108TH, LLC  
Contact Type: Not reported  
Contact Name: LUIS BIVIECA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 417-8423  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/2/2014

Site Id: 22148  
Affiliation Type: Emergency Contact  
Company Name: 246 WEST 108TH, LLC  
Contact Type: Not reported  
Contact Name: LUIS BIVIECA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 417-8423  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/2/2014

Site Id: 22148  
Affiliation Type: Facility Owner  
Company Name: 246 WEST 108TH, LLC  
Contact Type: PARTNER  
Contact Name: DAVID MOORE  
Address1: 55 WEST 45TH STREET, 7TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10036  
Country Code: 001  
Phone: (212) 278-0660  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/2/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**246 WEST 108TH, LLC (Continued)**

**U003395564**

Tank Info:

Tank Number: 001  
Tank Id: 41390  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F05 - Pipe External Protection - Jacketed  
G01 - Tank Secondary Containment - Diking (Aboveground)  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
K99 - Spill Prevention - Other  
B05 - Tank External Protection - Jacketed  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1973  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 07/02/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**N188**  
**North**  
**< 1/8**  
**0.108 mi.**  
**568 ft.**

**504-516 WEST 110TH ST**  
**510 WEST 110TH ST**  
**NEW YORK, NY**

**NY Spills S102672731**  
**N/A**

**Site 7 of 22 in cluster N**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 9412255  
Facility Type: ER  
DER Facility ID: 205294  
Site ID: 250461  
DEC Region: 2  
Spill Date: 12/13/1994  
Spill Number/Closed Date: 9412255 / Not Reported  
Spill Cause: Human Error  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**110 ft.**

SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 12/13/1994  
CID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**504-516 WEST 110TH ST (Continued)**

**S102672731**

Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 1/30/1995  
Spill Record Last Update: 11/3/2011  
Spiller Name: Not reported  
Spiller Company: SAME  
Spiller Address: Not reported  
Spiller City,St,Zip: NN  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 12/28/05 Transferred to E. Hampston under Spill Initiative. Forwarded letter to owner requesting update and documentation of cleanup. Spill transferred back to R-23/7/08 - Austin - Assigned to Ketani for further investigation - end 7/24/08 - Raphael Ketani. I reactivated the case today. There is no paper file. The E-docs has just one letter written by the previous DEC case manager. The letter is dated 12/29/05 and requests further information regarding the spill. The letter was addressed to Rebecca Levine and Mark Gilbert of Amherst-Cortland Condominium Association, 11 Riverside Drive, NY, 10025. However, the site location address is 504-516 W. 110 Street or 510 W. 110 Street - it's probably a large building on the corner. The spill happened on 12/13/94. The cause of the spill is human error. The notes state that "product contained in the basement. A.L. Eastmond was cleaning up the product." There is no further information. The PBS is #2-188182. It shows one 7500 gal. tank with #6 oil which is active. The site address is listed as 504 W. 110 Street. Mail goes to Iris Whitaker at the Argo Corp., 50 W. 17 Street, NY, 10011. Her phone is (212) 896-8382. I tried calling Ms. Whitaker, but the phone number now belongs to another company. I tried finding the owners in Property Shark, but the 11 Riverside Drive address belongs to a completely different location. The other addresses didn't show up. I tried the NYC Property Tax database and found the property. It is block and lot 1881 and 7501. Mail goes to 110 E. 59 Street, 20th Floor, NY, 10022-1333. The location is listed as Cathedral Parkway, but this is just another name for West 110 Street. I sent a CSL to Amherst-Cortland and to the Argo Corp., which still exists and can be contacted at (212) 896-9600. I also called up the Argo Corp. and left a message requesting a dialogue regarding the site. 7/31/08 - Raphael Ketani. I tried to contact Ms. Whitaker at (212) 896-8682, but could only leave a message regarding 504 W. 110 Street. 8/13/08 - Raphael Ketani. On 8/7/08 I received a FAX with a copy of my 7/24/08 letter from Iris Whitaker of ARGO Corp. The FAX requested that I contact her to discuss what DEC needs from Amherst-Cortland. I tried to contact Ms. Whitaker again, but could only leave a message requesting a discussion. So I e-mailed her at IrisW@Argo.com and requested that an investigation plan be submitted for the basement. 8/14/08 - Raphael Ketani. Ms. Whitaker e-mailed me back. She said that she will have to bring the idea of doing a subsurface investigation up to the condo board. She said that she will meet with the board on Monday,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

504-516 WEST 110TH ST (Continued)

S102672731

Remarks: 8/18/08.8/18/08 - Raphael Ketani. The case is being prepared for transfer due to a case realignment within the unit. A followup phone call or e-mail needs to be sent to Ms. Whitaker asking what the outcome of the condo board meeting was and emphasizing that DEC can't wait longer for an investigation to take place.10/27/11 - Austin - Spill Transferred from Ahmed to Vought - end  
INSPECTION SHOWS PRODUCT CONTAINED IN BASEMENT - A.L. EASTMAN CONTRACT WILL CLEAN UP.

Material:

Site ID: 250461  
Operable Unit ID: 1009983  
Operable Unit: 01  
Material ID: 374580  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

N189  
North  
< 1/8  
0.108 mi.  
568 ft.

AMHERST-CORTLAND & CONDOMINIUM ASSOCIATES  
504-510 WEST 110TH STREET  
NEW YORK, NY 10025  
Site 8 of 22 in cluster N

NY AST A100320307  
N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-188182  
Program Type: PBS  
UTM X: 587426.70216999995  
UTM Y: 4517491.3758399999  
Expiration Date: 06/05/2017  
Site Type: Apartment Building/Office Building

Actual:  
110 ft.

Affiliation Records:

Site Id: 5679  
Affiliation Type: Facility Owner  
Company Name: AMHERST-CORTLANDT & CONDOMINIUM  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 504-510 W 110 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 319-5000  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMHERST-CORTLAND & CONDOMINIUM ASSOCIATES (Continued)**

**A100320307**

Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/5/2014

Site Id: 5679  
Affiliation Type: Mail Contact  
Company Name: AMHERST-CORTLANDT & CONDOMINIUM  
Contact Type: Not reported  
Contact Name: JAY REYES  
Address1: % RUDD REALTY  
Address2: 641 LEXINGTON AVENUE - 10TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10022  
Country Code: 001  
Phone: (212) 319-5000  
EMail: JAYIG@ERUDD.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/5/2014

Site Id: 5679  
Affiliation Type: On-Site Operator  
Company Name: AMHERST-CORTLAND & CONDOMINIUM ASSOCIATES  
Contact Type: Not reported  
Contact Name: MARC GILBERT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-2084  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 5679  
Affiliation Type: Emergency Contact  
Company Name: AMHERST-CORTLANDT & CONDOMINIUM  
Contact Type: Not reported  
Contact Name: MARC GILBERT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 423-5098  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 6/16/2008

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMHERST-CORTLAND & CONDOMINIUM ASSOCIATES (Continued)**

**A100320307**

Tank Number: 001  
Tank Id: 5777  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
H05 - Tank Leak Detection - In-Tank System (ATG)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
F04 - Pipe External Protection - Fiberglass  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1984  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: msbaptis  
Last Modified: 06/16/2008  
Material Name: #6 Fuel Oil (On-Site Consumption)

**N190**  
**North**  
**< 1/8**  
**0.108 mi.**  
**568 ft.**

**ASHLAND ENV - AMHERST CORTLAND**  
**504-510 W 110TH ST**  
**NEW YORK, NY 10025**  
**Site 9 of 22 in cluster N**

**RCRA NonGen / NLR** **1001090333**  
**FINDS** **NYR000021709**  
**NY MANIFEST**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: ASHLAND ENV - AMHERST CORTLAND  
Facility address: 504-510 W 110TH ST  
CONDOMINIUM  
NEW YORK, NY 10025  
EPA ID: NYR000021709  
Mailing address: W 110TH ST  
CONDOMINIUM  
NEW YORK, NY 10025  
Contact: Not reported  
Contact address: W 110TH ST  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: Not reported

**Actual:**  
**110 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASHLAND ENV - AMHERST CORTLAND (Continued)**

**1001090333**

Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: REBECCA LEVIN - REAL ESTATE MGMT  
Owner/operator address: 11 RIVERSIDE DR SUITE 9ME  
NEW YORK, NY 10023

Owner/operator country: US  
Owner/operator telephone: (212) 595-6108  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: REBECCA LEVIN - REAL ESTATE MGMT  
Owner/operator address: 11 RIVERSIDE DR SUITE 9ME  
NEW YORK, NY 10023

Owner/operator country: US  
Owner/operator telephone: (212) 595-6108  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 01/01/2006  
Site name: ASHLAND ENV - AMHERST CORTLAND  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: ASHLAND ENV - AMHERST CORTLAND  
Classification: Not a generator, verified

Date form received by agency: 04/02/1996  
Site name: ASHLAND ENV - AMHERST CORTLAND  
Classification: Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASHLAND ENV - AMHERST CORTLAND (Continued)**

**1001090333**

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

**FINDS:**

Registry ID: 110004523604

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYR000021709  
Country: USA  
Location Address 1: 504-510 W 110TH STCONDO  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: ASHLAND ENV AMHERST CORTLAND  
Contact: JAMES UNGER  
Address: 504-510 W 110TH STCONDO  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 201-804-0505

**Manifest:**

Document ID: NJA2210336  
Manifest Status: Completed copy  
Trans1 State ID: S5811  
Trans2 State ID: Not reported  
Generator Ship Date: 04/08/1996  
Trans1 Recv Date: 04/08/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/08/1996  
Part A Recv Date: / /  
Part B Recv Date: 04/26/1996  
Generator EPA ID: NYR000021709  
Trans1 EPA ID: NJ0000027193  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00400

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASHLAND ENV - AMHERST CORTLAND (Continued)**

**1001090333**

Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1996

**R191  
WSW  
< 1/8  
0.108 mi.  
569 ft.**

**936 AMSTERDAM AVE INC.  
201 WEST 106TH STREET  
NEW YORK, NY 10025**

**NY AST A100183585  
N/A**

**Site 1 of 12 in cluster R**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607026  
Program Type: PBS  
UTM X: 587246.71120000002  
UTM Y: 4517127.08064999999  
Expiration Date: 09/27/2016  
Site Type: Apartment Building/Office Building

**Actual:  
106 ft.**

Affiliation Records:

Site Id: 28881  
Affiliation Type: Facility Owner  
Company Name: PROVIDENCIA VELEZ  
Contact Type: PRES.  
Contact Name: GLADYS VELEZ  
Address1: 382 WESTERN HIGHWAY  
Address2: Not reported  
City: TAPPAN  
State: NY  
Zip Code: 10983  
Country Code: 001  
Phone: (845) 359-9427  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 7/24/2006

Site Id: 28881  
Affiliation Type: Mail Contact  
Company Name: 936 AMSTERDAM AVE INC.  
Contact Type: Not reported  
Contact Name: GLADYS VELEZ  
Address1: 930 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 666-2498  
EMail: GLADYSVELEZ1@GMAIL.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 7/5/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**936 AMSTERDAM AVE INC. (Continued)**

**A100183585**

Site Id: 28881  
Affiliation Type: On-Site Operator  
Company Name: 936 AMSTERDAM AVE INC.  
Contact Type: Not reported  
Contact Name: GLADYS VELEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2498  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28881  
Affiliation Type: Emergency Contact  
Company Name: PROVIDENCIA VELEZ  
Contact Type: Not reported  
Contact Name: GLADYS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-8958  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 62188  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)  
L02 - Piping Leak Detection - Interstitial - Manual Monitoring  
A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
C01 - Pipe Location - Aboveground  
K00 - Spill Prevention - None  
Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**936 AMSTERDAM AVE INC. (Continued)**

**A100183585**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/01/1970  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 07/05/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**P192**  
**NW**  
**< 1/8**  
**0.109 mi.**  
**576 ft.**

**247 WEST 109TH STREET**  
**247 WEST 109TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003392212**  
**NY HIST AST** **N/A**

**Site 3 of 6 in cluster P**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-219533  
Program Type: PBS  
UTM X: 587288.08796999999  
UTM Y: 4517412.3284999998  
Expiration Date: 05/13/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

**Affiliation Records:**

Site Id: 8418  
Affiliation Type: Mail Contact  
Company Name: BEACON 109 245-251, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8418  
Affiliation Type: On-Site Operator  
Company Name: WEST 109 PORTFOLIO, LLC  
Contact Type: Not reported  
Contact Name: EDDIE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**247 WEST 109TH STREET (Continued)**

**U003392212**

Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8418  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109 245-251, LLC.  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (781) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Site Id: 8418  
Affiliation Type: Facility Owner  
Company Name: BEACON 109 245-251, LLC.  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 3/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 233575  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)  
B01 - Tank External Protection - Painted/Asphalt Coating  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
G02 - Tank Secondary Containment - Vault (w/access)  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

247 WEST 109TH STREET (Continued)

U003392212

L00 - Piping Leak Detection - None  
E02 - Piping Secondary Containment - Vault (with Access)  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1917  
Capacity Gallons: 1800  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NTFREEMA  
Last Modified: 01/20/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001  
Tank Id: 24123  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/1917  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

Affiliation Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

247 WEST 109TH STREET (Continued)

U003392212

Site Id: 426634  
Affiliation Type: Facility Owner  
Company Name: BEACON 109, 245-251, LLC  
Contact Type: MANAGING AGENT  
Contact Name: HARRY TAWIC  
Address1: PO BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/20/2015

Site Id: 426634  
Affiliation Type: Mail Contact  
Company Name: BEACON 109, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: P.O. BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/20/2015

Site Id: 426634  
Affiliation Type: On-Site Operator  
Company Name: BEACON 109, 245-251  
Contact Type: Not reported  
Contact Name: EDDIE LEKOVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 828-6687  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/20/2015

Site Id: 426634  
Affiliation Type: Emergency Contact  
Company Name: BEACON 109, 245-251  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**247 WEST 109TH STREET (Continued)**

**U003392212**

Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/17/2011

Tank Info:

Tank Number: 001  
Tank Id: 233575  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)  
B01 - Tank External Protection - Painted/Asphalt Coating  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
G02 - Tank Secondary Containment - Vault (w/access)  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
L00 - Piping Leak Detection - None  
E02 - Piping Secondary Containment - Vault (with Access)  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1917  
Capacity Gallons: 1800  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NTFREEMA  
Last Modified: 01/20/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001  
Tank Id: 24123  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
K01 - Spill Prevention - Catch Basin

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

247 WEST 109TH STREET (Continued)

U003392212

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/1917  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 03/05/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-219533  
SWIS Code: 6201  
Operator: ELADIO VELEZ  
Facility Phone: (212) 972-5900  
Facility Addr2: 247 WEST 109TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: NEIL GEVIRTZ  
Emergency Tel: (212) 972-5900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: FIVE SPRUCE 109 LLC % RA COHEN & ASSOC INC  
Owner Address: 60 EAST 42ND STREET #1250  
Owner City,St,Zip: NEW YORK, NY 10165  
Federal ID: Not reported  
Owner Tel: (212) 972-5900  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: FRED FRAGANO  
Mailing Name: R.A. COHEN & ASSOCIATES, INC.  
Mailing Address: 60 EAST 42ND STREET  
Mailing Address 2: SUITE 1250  
Mailing City,St,Zip: NEW YORK, NY 10165  
Mailing Telephone: (212) 972-5900  
Owner Mark: Third Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 08/17/2001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**247 WEST 109TH STREET (Continued)**

**U003392212**

Expiration: 08/16/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 05  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 06  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

R193  
WSW  
< 1/8  
0.109 mi.  
577 ft.

934 AMSTERDAM AVE  
934 AMSTERDAM AVE  
NEW YORK, NY 10025

NY AST U004118624  
N/A

Site 2 of 12 in cluster R

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-278017  
Program Type: PBS  
UTM X: 587273.15359  
UTM Y: 4517126.3817299996  
Expiration Date: 02/17/2017  
Site Type: Apartment Building/Office Building

Actual:  
106 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

934 AMSTERDAM AVE (Continued)

U004118624

Affiliation Records:

Site Id: 12035  
Affiliation Type: Mail Contact  
Company Name: 934 AMSTERDAM HOLDINGS, LLC  
Contact Type: MANAGING AGENT  
Contact Name: PETER GARCIA  
Address1: PO BOX 659  
Address2: Not reported  
City: TEANECK  
State: NJ  
Zip Code: 07666  
Country Code: 001  
Phone: (973) 622-0073  
EMail: PGARCIA@TREETOPDEV.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/10/2014

Site Id: 12035  
Affiliation Type: On-Site Operator  
Company Name: 934 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: IBRAHIM ZIQIRI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 345-6286  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/10/2014

Site Id: 12035  
Affiliation Type: Emergency Contact  
Company Name: 934 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: PETER GARCIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 709-9850  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/10/2014

Site Id: 12035  
Affiliation Type: Facility Owner  
Company Name: 934 AMSTERDAM HOLDINGS, LLC  
Contact Type: MANAGING AGENT  
Contact Name: PETER GARCIA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**934 AMSTERDAM AVE (Continued)**

**U004118624**

Address1: PO BOX 659  
Address2: Not reported  
City: TEANECK  
State: NJ  
Zip Code: 07666  
Country Code: 001  
Phone: (973) 622-0073  
EMail: PGARCIA@TREETOPDEV.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 2/10/2014

Tank Info:

Tank Number: 001  
Tank Id: 14355  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
C02 - Pipe Location - Underground/On-ground  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 08/01/1950  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/18/2012  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 02/10/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

R194  
WSW  
< 1/8  
0.109 mi.  
578 ft.

200 W 106TH ST  
NEW YORK, NY 10025

Site 3 of 12 in cluster R

EDR US Hist Cleaners 1015012626  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: NEW YORK DRY CLEANERS  
Year: 2011  
Address: 200 W 106TH ST

Actual:  
106 ft.

Name: NEW YORK DRY CLEANERS  
Year: 2012  
Address: 200 W 106TH ST

L195  
SSE  
< 1/8  
0.110 mi.  
579 ft.

CON EDISON  
W 106 ST & COLUMBUS AV  
NEW YORK, NY 10025

Site 14 of 25 in cluster L

NY MANIFEST S117063615  
N/A

Relative:  
Higher

NY MANIFEST:

EPA ID: NYP004560470  
Country: USA  
Location Address 1: W 106 ST & COLUMBUS AV  
Location Address 2: V5178  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Actual:  
101 ft.

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 06/11/2014  
Trans1 Recv Date: 06/11/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/11/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004560470  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 3000  
Units: P - Pounds  
Number of Containers: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117063615**

Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002501990GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**L196  
SSE  
< 1/8  
0.110 mi.  
579 ft.**

**CON EDISON MANHOLE: 30740  
W 106TH ST & COLUMBUS AVE SW  
NEW YORK, NY 10025**

**RCRA-CESQG 1016143853  
NY MANIFEST NYP004266391**

**Site 15 of 25 in cluster L**

**Relative:  
Higher**

RCRA-CESQG:

Date form received by agency: 09/04/2012

Facility name: CON EDISON MANHOLE: 30740

Facility address: W 106TH ST & COLUMBUS AVE SW  
COR

NEW YORK, NY 10025

EPA ID: NYP004266391

Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: MEGAN KUDLACK

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 427-1277

Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 30740 (Continued)**

**1016143853**

Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYP004266391  
Country: USA  
Location Address 1: SWC W 106 & COLUMBUS AVE  
Location Address 2: MH 30740  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 09/04/2012  
Trans1 Recv Date: 09/04/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/05/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004266391  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 30740 (Continued)**

**1016143853**

Year: 2012  
Manifest Tracking Num: 010456209JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

L197  
SSE  
< 1/8  
0.110 mi.  
579 ft.

**CON EDISON GAS MAIN: 30740  
COLUMBUS AVE & W 106TH ST SW  
NEW YORK, NY 10025**

**RCRA-CESQG 1016148846  
NY MANIFEST NYP004274973**

**Site 16 of 25 in cluster L**

**Relative:  
Higher**

RCRA-CESQG:

Date form received by agency: 10/20/2012

Facility name: CON EDISON GAS MAIN: 30740

Facility address: COLUMBUS AVE & W 106TH ST SW  
COR

NEW YORK, NY 10025

EPA ID: NYP004274973

Mailing address: IRVING PL, RM 828

NEW YORK, NY 10003

Contact: JOSE MONTALVO

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 427-1331

Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON GAS MAIN: 30740 (Continued)**

**1016148846**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYP004274973  
Country: USA  
Location Address 1: S/W/C COLUMBUS AVE & W 106 ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 10/20/2012  
Trans1 Recv Date: 10/20/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/22/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004274973  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1500.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 010456727JJK  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON GAS MAIN: 30740 (Continued)

1016148846

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

J198  
SE  
< 1/8  
0.111 mi.  
584 ft.

63-67 WEST 107TH STREET PARTNERS  
63 WEST 107TH STREET  
NEW YORK, NY 10025

NY AST U003395104  
NY HIST AST N/A

Site 11 of 15 in cluster J

Relative:  
Lower

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-472891  
Program Type: PBS  
UTM X: 587635.47331999999  
UTM Y: 4517045.4020800004  
Expiration Date: 11/10/2015  
Site Type: Apartment Building/Office Building

Actual:  
69 ft.

Affiliation Records:

Site Id: 20772  
Affiliation Type: Mail Contact  
Company Name: 63 W. 107 STREET LLC  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116-1920  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/20/2008

Site Id: 20772  
Affiliation Type: On-Site Operator  
Company Name: 63-67 WEST 107 ST  
Contact Type: Not reported  
Contact Name: K MARTINEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-4088

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**63-67 WEST 107TH STREET PARTNERS (Continued)**

**U003395104**

EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/3/2010

Site Id: 20772  
Affiliation Type: Emergency Contact  
Company Name: 63 W. 107 STREET, LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/20/2008

Site Id: 20772  
Affiliation Type: Facility Owner  
Company Name: 63 W. 107 STREET, LLC  
Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: P.O, BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116-1920  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/20/2008

**Tank Info:**

Tank Number: 01  
Tank Id: 37870  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

63-67 WEST 107TH STREET PARTNERS (Continued)

U003395104

F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1929  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 11/20/2008  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-472891  
SWIS Code: 6201  
Operator: CARLOS POELLO  
Facility Phone: (212) 906-2212  
Facility Addr2: 63 WEST 107TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: EMILIANA CABRERA  
Emergency Tel: (212) 543-1400  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 63-67 WEST 107TH STREET PARTNERS.L.P.  
Owner Address: 155 EAST 56TH STREET, SUITE 400  
Owner City,St,Zip: NEW YORK, NY 10022  
Federal ID: Not reported  
Owner Tel: (212) 588-1100  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: LAURA RODRIGUEZ  
Mailing Name: PRIME REALTY SERVICES, INC,  
Mailing Address: 155 EAST 56TH STREET  
Mailing Address 2: SUITE 400  
Mailing City,St,Zip: NEW YORK, NY 10022  
Mailing Telephone: (212) 588-1100  
Owner Mark: Third Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 12/21/1998  
Expiration: 11/19/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**63-67 WEST 107TH STREET PARTNERS (Continued)**

**U003395104**

Tank Screen: No Missing Data  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 2500  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 4  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: 4  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**L199**  
**SSE**  
 < 1/8  
 0.111 mi.  
 585 ft.

**106 AT AND COLUMBUS AVE**  
**106 ST AND COLUMBUS AVE**  
**NEW YORK CITY, NY**  
**Site 17 of 25 in cluster L**

**NY Spills S106382975**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**101 ft.**

**SPILLS:**  
 Facility ID: 0312873  
 Facility Type: ER  
 DER Facility ID: 67474  
 Site ID: 71269  
 DEC Region: 2  
 Spill Date: 2/20/2004  
 Spill Number/Closed Date: 0312873 / 2/24/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
 3101  
 Investigator: SMSANGES  
 Referred To: Not reported  
 Reported to Dept: 2/20/2004  
 CID: 403  
 Water Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**106 AT AND COLUMBUS AVE (Continued)**

**S106382975**

Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/20/2004  
Spill Record Last Update: 2/24/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: GEORGE BAMBINO  
Contact Phone: (646) 387-5332  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"Sangesland called city sanitation to sand the street  
Remarks: there is a big oil spill on 106 st. and columbus ave. cars are sliding all over the plave. they are tracking the oil down side streets too. needs someone to look at this ASAP.

Material:  
Site ID: 71269  
Operable Unit ID: 878124  
Operable Unit: 01  
Material ID: 498047  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

L200  
SSE  
< 1/8  
0.111 mi.  
585 ft.

I/A/O WEST 106TH ST & COLUMBUS AVE  
WEST 106TH ST & COLUMBUS AVE  
MANHATTAN, NY  
Site 18 of 25 in cluster L

NY Spills S109581823  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0900438  
Facility Type: ER  
DER Facility ID: 361557  
Site ID: 412377  
DEC Region: 2  
Spill Date: 4/13/2009  
Spill Number/Closed Date: 0900438 / 4/15/2009  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
101 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**I/A/O WEST 106TH ST & COLUMBUS AVE (Continued)**

**S109581823**

SWIS: 3101  
 Investigator: smsanges  
 Referred To: Not reported  
 Reported to Dept: 4/13/2009  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/13/2009  
 Spill Record Last Update: 4/15/2009  
 Spiller Name: Not reported  
 Spiller Company: NYC DEPT OF SANITATION  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: DISPATCHER 148  
 Contact Phone: (212) 570-4261  
 DEC Memo: Sangesland spoke to FD dispatcher 148. He said the spill was directly into the street sewer drain. No spill to recover or clean.  
 Remarks: DUE TO A LINE BREAK ABOUT 40 GALLONS OF PRODUCT SPILLED TO THE SEWER. CLEAN UP IS IN PROGRESS.

Material:  
 Site ID: 412377  
 Operable Unit ID: 1168849  
 Operable Unit: 01  
 Material ID: 2160475  
 Material Code: 0010  
 Material Name: Hydraulic Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 40  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**L201**      **CONSOLIDATED EDISON**  
**SSE**      **106TH ST & COLUMBUS**  
**< 1/8**      **NEW YORK, NY 10003**  
**0.111 mi.**      **Site 19 of 25 in cluster L**  
**585 ft.**

**NY MANIFEST**      **1009241623**  
    **N/A**

**Relative:**      NY MANIFEST:  
**Higher**      EPA ID:              NYP004101192  
                          Country:              USA  
**Actual:**      Location Address 1:      106TH ST & COLUMBUS  
**101 ft.**      Location Address 2:      Not reported  
                          Location City:              NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009241623**

Location State: NY  
Location Zip Code: 10003  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NJA3185788  
Manifest Status: Not reported  
Trans1 State ID: H10376  
Trans2 State ID: Not reported  
Generator Ship Date: 08/06/2002  
Trans1 Recv Date: 08/06/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/07/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004101192  
Trans1 EPA ID: NJD003812047  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 05000  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NJA4149277  
Manifest Status: Not reported  
Trans1 State ID: H10376  
Trans2 State ID: Not reported  
Generator Ship Date: 08/09/2002  
Trans1 Recv Date: 08/09/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/12/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004101192  
Trans1 EPA ID: NJD003812047  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 05500  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009241623**

Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 01.00  
 Year: 2002

**L202  
 SSE  
 < 1/8  
 0.111 mi.  
 585 ft.**

**MANHOLE # 30740  
 WEST 106TH STREET/COLUMBUS  
 MANHATTAN, NY**

**NY Spills S106967915  
 N/A**

**Site 20 of 25 in cluster L**

**Relative:  
 Higher**

**SPILLS:**

Facility ID: 0501779  
 Facility Type: ER  
 DER Facility ID: 292257  
 Site ID: 346011  
 DEC Region: 2  
 Spill Date: 5/13/2005  
 Spill Number/Closed Date: 0501779 / 12/27/2005  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.

**Actual:  
 101 ft.**

**SWIS:**

Investigator: GDBREEN  
 Referred To: Not reported  
 Reported to Dept: 5/13/2005  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/13/2005  
 Spill Record Last Update: 12/27/2005  
 Spiller Name: ERT DESK MIKE DAUGHTERY  
 Spiller Company: MANHOLE #30740  
 Spiller Address: WEST 106TH STREET/COLUMBU  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK MIKE DAUGHTERY  
 Contact Phone: (212) 580-8383  
 DEC Memo: 158577. @ 09:40 Flush, A Mech Christopher Legree #39600 discovered 1 gallon of unknown oil in MH 30740 located at S/W/C W 106 St. Columbus Av. Reported to T. Haynes 82326 at 09:50. No fire/smoke involved. No sewer/waterways affected. No injuries related to the spill. Weather conditions did not contribute to the spill. Account #80574 Source /cause unknown. Spilled on concrete. No private property affected. No standing water. No sewer connection. No sump pump in structure. Two wipe samples were taken. 1-pcb & 1-oil id. Sent priority E. Logger:T. Haynes 82326May 13, 2005. No underground crews available for clean-up today. Will change incident to a regular spill. Logger: T. Haynes 82326. CIG: R. Elliott #81653 notified at 11:32Update: Lab Results 05/13/05 21:06 hrsLab Sequence Number: 05-04477-001TOTAL PCB: 133 ppmUpdate: Lab Results may 14,2005 @ 00:18 hrsLab Sequence Number: 05-04478-001Analysis indicates the presence of a substance similar to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE # 30740 (Continued)**

**S106967915**

a lubricating oil. May 18, 2005 @ 21:59 Ug, Splicer J. Montalvo #87325, reported to T. Haynes 82326. Clean-up was completed @ 21:20. Structure was double-washed. He stated that he cleaned the structure with a 5 gal bucket of slix. Tanker removed 200 gallons of water/oil mixed. 7-bags of debris was removed also. Environmental tag 38698 removed. See clean-up crew on people involved screen. Source of spill; 2-3c cables were found open, with nails and wires in them. Ends were not capped. Splicer Montalvo, sealed and capped the ends, 2-3c cables and EPR cables. Removed nail and wires.

Remarks: no to the 5 questions and two samples were taken: coned # 158577

Material:

Site ID: 346011  
Operable Unit ID: 1103742  
Operable Unit: 01  
Material ID: 583948  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

R203  
WSW  
< 1/8  
0.112 mi.  
592 ft.

**CONSOLIDATED EDISON**  
**204 W. 106 ST**  
**NEW YORK, NY**  
**Site 4 of 12 in cluster R**

**NY MANIFEST S109825360**  
**N/A**

**Relative:**  
**Higher**

NY MANIFEST:  
EPA ID: NYP004179693  
Country: USA  
Location Address 1: 204 W. 106 ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

**Actual:**  
**106 ft.**

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**S109825360**

Trans2 State ID: Not reported  
 Generator Ship Date: 06/24/2009  
 Trans1 Recv Date: 06/24/2009  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 06/24/2009  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYP004179693  
 Trans1 EPA ID: Not reported  
 Trans2 EPA ID: Not reported  
 TSD ID: NJD002200046  
 Waste Code: Not reported  
 Quantity: 750.0  
 Units: P - Pounds  
 Number of Containers: 1.0  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 1.0  
 Year: 2009  
 Manifest Tracking Num: 000961141GBF  
 Import Ind: N  
 Export Ind: N  
 Discr Quantity Ind: N  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H111

**O204**  
**SW**  
**< 1/8**  
**0.113 mi.**  
**596 ft.**

**RESIDENCE**  
**160 W.106TH ST**  
**MANHATTAN, NY**  
**Site 6 of 6 in cluster O**

**NY Spills S105057316**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
 Facility ID: 0101593  
 Facility Type: ER  
 DER Facility ID: 196019  
 Site ID: 238001  
 DEC Region: 2  
 Spill Date: 5/11/2001  
 Spill Number/Closed Date: 0101593 / 5/12/2001  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: TJDEMEO  
 Referred To: Not reported  
 Reported to Dept: 5/11/2001  
 CID: 323  
 Water Affected: Not reported  
 Spill Source: Private Dwelling  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported

**Actual:**  
**106 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S105057316**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/11/2001  
Spill Record Last Update: 1/23/2003  
Spiller Name: CALLER  
Spiller Company: BRIDGE TRANSPORTATION  
Spiller Address: 176 27TH ST  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller Company: 001  
Contact Name: MARIA MANDARINO  
Contact Phone: (718) 782-2060  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"5/12/01 TJD5 Gal spill caused by broken fitting in fill box. Fitting repaired. Spill cleaned using absorbents.

Remarks: FITTING CAME OUT OF THE FILL BOX. SPILL CLEANED UP.

Material:

Site ID: 238001  
Operable Unit ID: 840431  
Operable Unit: 01  
Material ID: 537295  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: 5  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**N205  
NNW  
< 1/8  
0.113 mi.  
599 ft.**

**MARSID REALTY CO  
535 WEST 110TH STREET  
NEW YORK, NY 10025**

**NY AST U003392644  
NY HIST AST N/A**

**Site 10 of 22 in cluster N**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-210323  
Program Type: PBS  
UTM X: 587352.86464000004  
UTM Y: 4517463.8305799998  
Expiration Date: 10/04/2018  
Site Type: Apartment Building/Office Building

**Actual:  
108 ft.**

Affiliation Records:  
Site Id: 7604  
Affiliation Type: Mail Contact  
Company Name: MARK GREENBERG REALTY ESTATE CO. LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARSID REALTY CO (Continued)**

**U003392644**

Contact Type: Not reported  
Contact Name: VALERY LIPARI  
Address1: 1981 MARCUS AVENUE  
Address2: SUITE C131  
City: LAKE SUCCESS  
State: NY  
Zip Code: 11042  
Country Code: 001  
Phone: (516) 944-5000  
EMail: VLIPARI@MGRE.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/9/2013

Site Id: 7604  
Affiliation Type: On-Site Operator  
Company Name: CATHEDRAL PARKWAY APTS. CORP.  
Contact Type: Not reported  
Contact Name: DAVID HERNANDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-1964  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/9/2013

Site Id: 7604  
Affiliation Type: Emergency Contact  
Company Name: CATHEDRAL PARKWAY APTS. CORP  
Contact Type: Not reported  
Contact Name: STEVEN GREEBAUM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 944-5000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 5/8/2006

Site Id: 7604  
Affiliation Type: Facility Owner  
Company Name: CATHEDRAL PARKWAY APTS. CORP  
Contact Type: MGT  
Contact Name: VALERY LIPARI  
Address1: 535 WEST 110TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARSID REALTY CO (Continued)**

**U003392644**

Zip Code: 10025  
Country Code: 001  
Phone: (212) 866-1964  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/9/2013

Tank Info:

Tank Number: 001  
Tank Id: 25011  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1995  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 10/10/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-210323  
SWIS Code: 6201  
Operator: ZENOIX POWAZKA  
Facility Phone: (212) 222-0309  
Facility Addr2: 535 WEST 110TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MAKS ROTHSTEIN  
Emergency Tel: (212) 222-7590  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARSID REALTY CO (Continued)**

**U003392644**

Owner Name: MARSID REALTY CO  
Owner Address: 535 WEST 110TH ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 222-0309  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: WILLIAM D. HARRA  
Mailing Name: ABC REALTY  
Mailing Address: 152 WEST 57TH STREET  
Mailing Address 2: 12TH FLOOR  
Mailing City,St,Zip: NEW YORK, NY 10019  
Mailing Telephone: (212) 307-0500  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 02/23/2001  
Expiration: 10/23/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MARSID REALTY CO (Continued)**

**U003392644**

Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**R206**  
**WSW**  
 < 1/8  
 0.114 mi.  
 601 ft.

**206 WEST 106 STREET**  
**206 WEST 106 STREET**  
**NEW YORK, NY 10024**  
**Site 5 of 12 in cluster R**

**NY AST** **U003385582**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-148628  
 Program Type: PBS  
 UTM X: 587256.59490999999  
 UTM Y: 4517135.4011300001  
 Expiration Date: 07/10/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

**Affiliation Records:**

Site Id: 4439  
 Affiliation Type: Facility Owner  
 Company Name: 204-206 W 106TH ST. LLC  
 Contact Type: PRES.  
 Contact Name: ISADORA HECHT  
 Address1: 339 WEST 85 STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10024  
 Country Code: 001  
 Phone: (212) 877-7871  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: KAKYER  
 Date Last Modified: 5/18/2012

Site Id: 4439  
 Affiliation Type: Mail Contact  
 Company Name: 204-206 W. 106TH ST. LLC  
 Contact Type: Not reported  
 Contact Name: ISADORA SILVERMAN  
 Address1: 339 WEST 85 STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10024  
 Country Code: 001  
 Phone: (212) 877-7871  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 4439  
 Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**206 WEST 106 STREET (Continued)**

**U003385582**

Company Name: 206 WEST 106 STREET  
Contact Type: Not reported  
Contact Name: FELIX DIAZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 617-5983  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 3/22/2007

Site Id: 4439  
Affiliation Type: Emergency Contact  
Company Name: 204-206 W 106TH ST. LLC  
Contact Type: Not reported  
Contact Name: ISADORA SILVERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 877-7871  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 8063  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**206 WEST 106 STREET (Continued)**

**U003385582**

Install Date: 08/22/1973  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 05/18/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-148628  
SWIS Code: 6201  
Operator: FELIX DIAZ  
Facility Phone: (212) 877-7871  
Facility Addr2: 206 WEST 106 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: ISADORA SILVERMAN  
Emergency Tel: (212) 877-7871  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ESTATE OF JACK SILVERMAN  
Owner Address: 339 WEST 85 STREET  
Owner City,St,Zip: NEW YORK, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 877-7871  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: ISADORA SILVERMAN  
Mailing Name: ESTATE OF JACK SILVERMAN  
Mailing Address: 339 WEST 85 STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 877-7871  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/13/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**206 WEST 106 STREET (Continued)**

**U003385582**

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 00  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: 0  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**Q207**  
**West**  
**< 1/8**  
**0.114 mi.**  
**604 ft.**

**233-35 WEST 107TH ST**  
**233-35 WEST 107TH ST**  
**NEW YORK, NY 10025**  
**Site 3 of 7 in cluster Q**

**NY AST** **U003393854**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-346470  
 Program Type: PBS  
 UTM X: 587174.84187999996  
 UTM Y: 4517263.82330000003  
 Expiration Date: 09/11/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
 Site Id: 16942  
 Affiliation Type: Facility Owner  
 Company Name: 235 HOTEL LLC  
 Contact Type: AGENT  
 Contact Name: IRENE SHREYBERG  
 Address1: 233-35 WEST 107TH ST  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 316-0055  
 Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**233-35 WEST 107TH ST (Continued)**

**U003393854**

Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 7/24/2007

Site Id: 16942  
Affiliation Type: Mail Contact  
Company Name: ARM MANAGEMENT  
Contact Type: Not reported  
Contact Name: IRENE SHREYBERG  
Address1: 20 OCEAN COURT  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11223  
Country Code: 001  
Phone: (718) 339-8301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 7/24/2007

Site Id: 16942  
Affiliation Type: On-Site Operator  
Company Name: 233-35 WEST 107TH ST  
Contact Type: Not reported  
Contact Name: JUAN ESCALANTE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-0055  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 16942  
Affiliation Type: Emergency Contact  
Company Name: 235 HOTEL LLC  
Contact Type: Not reported  
Contact Name: ARM MANGEMENT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 339-8301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**233-35 WEST 107TH ST (Continued)**

**U003393854**

Tank Number: 001  
Tank Id: 32905  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/09/1965  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 09/17/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-346470  
SWIS Code: 6201  
Operator: RANDALL WILSON  
Facility Phone: (212) 316-0055  
Facility Addr2: 233 WEST 107TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: RANDALL WILSON  
Emergency Tel: (212) 316-0055  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ALRO REALTY CO  
Owner Address: 233-35 WEST 107TH ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 316-0055  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: ALRO REALTY CO  
Mailing Address: 233-35 WEST 107TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**233-35 WEST 107TH ST (Continued)**

**U003393854**

Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 316-0055  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 12/11/1997  
Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**P208**      **514 WEST 110TH ST**  
**NNW**      **514 WEST 110TH ST**  
**< 1/8**      **MANHATTAN, NY**  
**0.116 mi.**  
**612 ft.**      **Site 4 of 6 in cluster P**

**NY Spills**      **S104879774**  
                                  **N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0010596  
 Facility Type: ER  
 DER Facility ID: 67177  
 Site ID: 70877  
 DEC Region: 2  
 Spill Date: 12/21/2000  
 Spill Number/Closed Date: 0010596 / 12/30/2005  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
 Investigator: MDDUNHAM  
 Referred To: Not reported  
 Reported to Dept: 12/21/2000  
 CID: 205  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/21/2000  
 Spill Record Last Update: 12/30/2005  
 Spiller Name: CALLER  
 Spiller Company: PETROLEUM SERVICES  
 Spiller Address: 73-75 APPOLO ST  
 Spiller City,St,Zip: BROOKLYN, NY  
 Spiller Company: 001  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"01/26/04Transferred from Rommel to Austin02/17/04: Reassigned from AUSTIN to KRIMGOLD.12/19/05: Reassigned from KRIMGOLD to DUNHAM.12/22/05: Letter sent requesting information.12/29/05: Spoke with Mr. Phillip Silverglate of Petroleum Services. He stated that the spill was cleaned up on the date of the spill. Will fax a letter stating that the spill was cleaned up. -Dunham12/30/05: Received fax; spill closed -Dunham

**Remarks:**

DEFECTIVE GUAGE. CLEANUP CREW ENROUTE.

**Material:**

Site ID: 70877  
 Operable Unit ID: 831733  
 Operable Unit: 01  
 Material ID: 544492  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

514 WEST 110TH ST (Continued)

S104879774

Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

R209  
WSW  
< 1/8  
0.116 mi.  
613 ft.

932 AMSTERDAM AVE  
NEW YORK, NY 10025  
Site 6 of 12 in cluster R

EDR US Hist Cleaners 1015107068  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: TIC TOC LAUNDR CNTR  
Year: 1999  
Address: 932 AMSTERDAM AVE

Actual:  
106 ft.

Name: LIBERTY LAUNDRY  
Year: 2010  
Address: 932 AMSTERDAM AVE

M210  
East  
< 1/8  
0.117 mi.  
619 ft.

SPILL NUMBER 0210330  
360 CATHEDRAL PARKWAY  
MANHATTAN, NY  
Site 2 of 5 in cluster M

NY Spills S106010657  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0210330  
Facility Type: ER  
DER Facility ID: 82930  
Site ID: 92336  
DEC Region: 2  
Spill Date: 1/13/2003  
Spill Number/Closed Date: 0210330 / 1/15/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
56 ft.

SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 1/13/2003  
CID: 322  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/13/2003  
Spill Record Last Update: 1/15/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0210330 (Continued)**

**S106010657**

Spiller Name: Not reported  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis 146-697:13-JAN-2003 @ 17:30James F Carlin Mechanic A #17203,Of the flush dept, was working at the location of F/O 360 Cathedral Parkway in S-28773, Flush request number 3026. Discovered approx. 4 gallons of waste water that leaked from seal, on rear door of vactor truck #60590. On to asphalt. Spill kit was used and clean up was complete @ 17:47. Mr. Carlin was the clean up person and Mr. Taylor was the clean up supervisor. Also listed in the Event Involved Person site. No fire or smoke involved in this incident. No samples taken. No waterways sewers, or drains involved. No injuries pertaining to this incident. Weather conditions did not contribute to this incident.

Remarks: 4 gals of lead contaminated water spilled to pavement - spill was cleaned up 1747 - spill from a seal on a vactor truck - con ed #146697- only spill on

Material:

Site ID: 92336  
Operable Unit ID: 861575  
Operable Unit: 01  
Material ID: 513718  
Material Code: 0030A  
Material Name: LEAD  
Case No.: 07439921  
Material FA: Hazardous Material  
Quantity: 4  
Units: Gallons  
Recovered: 4  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Q211  
West  
< 1/8  
0.118 mi.  
625 ft.

235 WEST 107TH STREET  
235 W. 107TH STREET  
NEW YORK, NY 10025  
Site 4 of 7 in cluster Q

NY AST U004045257  
N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-604402  
Program Type: PBS  
UTM X: 587247.10479000001  
UTM Y: 4517253.30544000003  
Expiration Date: 01/18/2005  
Site Type: Apartment Building/Office Building

Actual:  
109 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**235 WEST 107TH STREET (Continued)**

**U004045257**

Affiliation Records:

Site Id: 26276  
Affiliation Type: Facility Owner  
Company Name: 235 HOTEL LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 20 OCEAN COURT  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11223  
Country Code: 001  
Phone: (715) 339-8301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 26276  
Affiliation Type: Mail Contact  
Company Name: ARM MANAGEMENT  
Contact Type: Not reported  
Contact Name: I. CHREYBERG  
Address1: 20 OCEAN COURT  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11223  
Country Code: 001  
Phone: (718) 339-8301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 26276  
Affiliation Type: On-Site Operator  
Company Name: 235 WEST 107TH STREET  
Contact Type: Not reported  
Contact Name: JUAN ESCALANTE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-0055  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 26276  
Affiliation Type: Emergency Contact  
Company Name: 235 HOTEL LLC  
Contact Type: Not reported  
Contact Name: ELL VERSCHLEISER

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**235 WEST 107TH STREET (Continued)**

**U004045257**

Address1: Not reported  
 Address2: Not reported  
 City: Not reported  
 State: NN  
 Zip Code: Not reported  
 Country Code: 001  
 Phone: (718) 339-8301  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
 Tank Id: 57612  
 Material Code: 0001  
 Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
 I02 - Overfill - High Level Alarm  
 A00 - Tank Internal Protection - None  
 D00 - Pipe Type - No Piping  
 G00 - Tank Secondary Containment - None  
 J00 - Dispenser - None  
 C01 - Pipe Location - Aboveground  
 H00 - Tank Leak Detection - None

Tank Location: 1  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: Tank Converted to Non-Regulated Use  
 Pipe Model: Not reported  
 Install Date: Not reported  
 Capacity Gallons: 4000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: NRLOMBAR  
 Last Modified: 11/19/2004  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**M212**  
**ESE**  
**< 1/8**  
**0.120 mi.**  
**635 ft.**

**LOT 52,TAXBLOCK 1844**  
**209 MANHATTAN AVENUE**  
**MANHATTAN, NY 10025**

**NY E DESIGNATION** **S108983987**  
**N/A**

**Site 3 of 5 in cluster M**

**Relative:**  
**Lower**

E DESIGNATION:  
 Tax Lot(s): 52  
 Tax Block: 1844  
 Borough Code: MN  
 E-No: E-182  
 Effective Date: 9/25/2007  
 Satisfaction Date: Not reported  
 Ceqr Number: 07DCP060M

**Actual:**  
**60 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOT 52,TAXBLOCK 1844 (Continued)**

**S108983987**

Ulurp Number: 070427ZMM  
Zoning Map No: 5d  
  
Description: Exhaust stack location limitations  
Lot Remediation Date: Not reported

J213  
ESE  
< 1/8  
0.121 mi.  
639 ft.

**NYNEX - 108TH ST  
108TH ST & MANHATTAN AVE  
MANHATTAN, NY**

**NY Spills S102238230  
N/A**

**Site 12 of 15 in cluster J**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 9510435  
Facility Type: ER  
DER Facility ID: 129362  
Site ID: 152394  
DEC Region: 2  
Spill Date: 11/19/1995  
Spill Number/Closed Date: 9510435 / 12/12/1995  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:  
65 ft.**

SWIS: 3101  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 11/19/1995  
CID: 350  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: 12/12/1995  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/19/1995  
Spill Record Last Update: 12/12/1995  
Spiller Name: Not reported  
Spiller Company: NYNEX BLDG  
Spiller Address: 193 MANHATTAN AVENUE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: JOSE RODRIGUEZ  
Contact Phone: (212) 338-7127  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"Monarch Const. replaced sidewalk over tanks. Tanks and fill for tank #2 all new. Old fill used for tank #1. Found spill to be coming from a hole in the elbow of the fill at tank #1, inside the concrete vault. Fill line repaired by Sharp Plumbing, spill cleaned up, no impact to the surrounding environment.

Remarks: OIL FOUND ON BASEMENT FLOOR - UNKNOWN IF TANKED LEAK OR IF TANK WAS OVERFILLED - SPILL WAS CLEANED UP - BELIEVE TO BE TANK LEAK

**Material:**

Site ID: 152394  
Operable Unit ID: 1020965

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYNEX - 108TH ST (Continued)**

**S102238230**

Operable Unit: 01  
Material ID: 361355  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 75  
Units: Gallons  
Recovered: 75  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

J214  
ESE  
< 1/8  
0.121 mi.  
639 ft.

**CON EDISON  
W 108TH ST & MANHATTAN AVE  
NEW YORK, NY 10025**

**RCRA-CESQG 1014396843  
NY MANIFEST NYP004191599  
NJ MANIFEST**

**Site 13 of 15 in cluster J**

**Relative:  
Lower**

RCRA-CESQG:

Date form received by agency: 08/20/2009

Facility name: CON EDISON

Facility address: W 108TH ST & MANHATTAN AVE  
NEW YORK, NY 10025

EPA ID: NYP004191599

Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: HERMAN BAKER

Contact address: Not reported  
Not reported

Contact country: Not reported

Contact telephone: (718) 267-3853

Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1014396843**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYP004191599  
Country: USA  
Location Address 1: FRONT OF 171 MANHATTAN AVE  
Location Address 2: Not reported  
Location City: MANHATTAN  
Location State: NY  
Location Zip Code: 10020  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/20/2009  
Trans1 Recv Date: 08/20/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/20/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004191599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001084143GBF  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON (Continued)

1014396843

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

NJ MANIFEST:

EPA Id: NYP004191599  
Mail Address: 4 IRVING PL, RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: HERMAN BAKER  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 001084143GBF  
EPA ID: NYP004191599  
Date Shipped: 08/20/2009  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/20/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSD Received Waste: 08/20/2009  
TSD EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1014396843**

Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Waste:  
Manifest Year: 2009 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111  
Quantity: 2000 P

R215  
WSW  
< 1/8  
0.121 mi.  
640 ft.

**SPILL NUMBER 9713191  
207 WEST 106TH STREET  
MANHATTAN, NY**

**NY Spills S104646722  
N/A**

**Site 7 of 12 in cluster R**

**Relative:  
Higher**

**SPILLS:**

**Actual:  
107 ft.**

Facility ID: 9713191  
Facility Type: ER  
DER Facility ID: 151844  
Site ID: 181035  
DEC Region: 2  
Spill Date: 2/26/1998  
Spill Number/Closed Date: 9713191 / 2/26/1998  
Spill Cause: Unknown  
Spill Class: No spill occurred. No DEC Response. No corrective action required.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 2/26/1998  
CID: 205  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/26/1998  
Spill Record Last Update: 2/27/1998  
Spiller Name: CALLER  
Spiller Company: Not reported  
Spiller Address: 207 WEST 106TH STREET  
Spiller City,St,Zip: MANHATTAN, NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 9713191 (Continued)**

**S104646722**

Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: (718) 354-4136  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT" FAX TO DEP-AIR. COPY TO DEC-AIR.  
Remarks: CALLER REPORTED SOOT COMING FROM BUILDING.  
Material:  
Site ID: 181035  
Operable Unit ID: 1056123  
Operable Unit: 01  
Material ID: 324215  
Material Code: 1716A  
Material Name: SOOT  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

R216  
WSW  
< 1/8  
0.121 mi.  
640 ft.

207 W 106TH ST  
207 WEST 106TH STREET  
NEW YORK, NY 10025  
Site 8 of 12 in cluster R

NY AST U004081799  
N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-309559  
Program Type: PBS  
UTM X: 587262.7156899998  
UTM Y: 4517145.7983999997  
Expiration Date: 02/23/2020  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:  
Site Id: 14116  
Affiliation Type: Mail Contact  
Company Name: 207-211 W. 106 LLC  
Contact Type: MEMBER  
Contact Name: RICHARD SCHARF  
Address1: P.O. BOX 574  
Address2: Not reported  
City: CEDARHURST  
State: NY  
Zip Code: 11516  
Country Code: 001  
Phone: (516) 837-7000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**207 W 106TH ST (Continued)**

**U004081799**

Date Last Modified: 2/23/2005  
  
Site Id: 14116  
Affiliation Type: On-Site Operator  
Company Name: 207 W 106TH ST  
Contact Type: Not reported  
Contact Name: DANNY GILJIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 280-0590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/11/2010

Site Id: 14116  
Affiliation Type: Emergency Contact  
Company Name: 207-211 W. 106 LLC  
Contact Type: Not reported  
Contact Name: MARTIN SCHARF  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 569-4119  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/23/2005

Site Id: 14116  
Affiliation Type: Facility Owner  
Company Name: 207-211 W. 106 LLC  
Contact Type: MEMBER  
Contact Name: RICHARD SCHARF  
Address1: P.O. BOX 574  
Address2: Not reported  
City: CEDARHURST  
State: NY  
Zip Code: 11516  
Country Code: 001  
Phone: (516) 837-7000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/23/2005

Tank Info:

Tank Number: 001  
Tank Id: 17816

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**207 W 106TH ST (Continued)**

**U004081799**

Material Code: 0003  
 Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser  
 L09 - Piping Leak Detection - Exempt Suction Piping  
 D01 - Pipe Type - Steel/Carbon Steel/Iron  
 A00 - Tank Internal Protection - None  
 G03 - Tank Secondary Containment - Vault (w/o access)  
 I04 - Overfill - Product Level Gauge (A/G)  
 F00 - Pipe External Protection - None  
 C00 - Pipe Location - No Piping  
 K00 - Spill Prevention - None  
 H00 - Tank Leak Detection - None  
 E00 - Piping Secondary Containment - None  
 B00 - Tank External Protection - None

Tank Location: 6  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 12/11/1945  
 Capacity Gallons: 7500  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: NTFREEMA  
 Last Modified: 03/09/2015  
 Material Name: #4 Fuel Oil (On-Site Consumption)

**L217**  
**SSE**  
 < 1/8  
 0.122 mi.  
 642 ft.

**932 COLUMBUS AVE**  
**NEW YORK, NY 10025**  
**Site 21 of 25 in cluster L**

**EDR US Hist Cleaners 1015107075**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**102 ft.**

EDR Historical Cleaners:

Name:	932 JM CLEANERS INC
Year:	2006
Address:	932 COLUMBUS AVE
Name:	932 JM CLEANERS
Year:	2010
Address:	932 COLUMBUS AVE
Name:	932 JM CLEANERS
Year:	2011
Address:	932 COLUMBUS AVE
Name:	932 JM CLEANERS
Year:	2012
Address:	932 COLUMBUS AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K218**  
**WNW**  
**< 1/8**  
**0.122 mi.**  
**643 ft.**

**255 WEST 108 STREET CORPORATION**  
**255 WEST 108 STREET**  
**NEW YORK, NY 10025**  
**Site 6 of 8 in cluster K**

**NY AST** **U003241804**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-244244  
Program Type: PBS  
UTM X: 587232.53607999999  
UTM Y: 4517351.16591  
Expiration Date: 05/28/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**110 ft.**

Affiliation Records:

Site Id: 9445  
Affiliation Type: Facility Owner  
Company Name: 255 WEST 108TH ST. CORP.  
Contact Type: COMPLIANCE MANAGER  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 255 WEST 108TH ST.  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 350-2846  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/14/2012

Site Id: 9445  
Affiliation Type: Mail Contact  
Company Name: DOUGLAS ELLIMAN PROP MGMT  
Contact Type: Not reported  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 675 THIRD AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 370-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/14/2012

Site Id: 9445  
Affiliation Type: On-Site Operator  
Company Name: 255 WEST 108 STREET CORPORATION  
Contact Type: Not reported  
Contact Name: JAMES DUNNE  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**255 WEST 108 STREET CORPORATION (Continued)**

**U003241804**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-3229  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 4/25/2007

Site Id: 9445  
Affiliation Type: Emergency Contact  
Company Name: 255 WEST 108TH ST. CORP.  
Contact Type: Not reported  
Contact Name: JAMES DUNNE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 866-3229  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 4/25/2007

Tank Info:

Tank Number: 001  
Tank Id: 11533  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 6000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 04/01/2002  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**255 WEST 108 STREET CORPORATION (Continued)**

**U003241804**

Material Name: #6 Fuel Oil (On-Site Consumption)  
  
Tank Number: 02  
Tank Id: 63517  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
H05 - Tank Leak Detection - In-Tank System (ATG)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 6000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/14/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-244244  
SWIS Code: 6201  
Operator: JAMES DUNNE  
Facility Phone: (212) 866-3229  
Facility Addr2: 255 WEST 108 ST  
Facility Type: APARTMENT BUILDING  
Emergency: JAMES DUNNE  
Emergency Tel: (212) 866-3229  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 255 WEST 108TH STREET  
Owner Address: 255 WEST 108TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 370-9200  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**255 WEST 108 STREET CORPORATION (Continued)**

**U003241804**

Mailing Contact: PAT PETTWAY-BROWN  
Mailing Name: 255 WEST 108TH STREET CORPORATION  
Mailing Address: C/O INSISGNIA RESIDENTIAL GROUP  
Mailing Address 2: 909 THIRD AVENUE, 10TH FLOOR  
Mailing City,St,Zip: NEW YORK, NY 10022  
Mailing Telephone: (212) 350-2846  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 12/02/1997  
Expiration: 07/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 6000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 6000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K219**  
**WNW**  
**< 1/8**  
**0.122 mi.**  
**643 ft.**

**BLDG**  
**255 W 108TH ST**  
**MANHATTAN, NY**  
**Site 7 of 8 in cluster K**

**NY Spills** **S108981791**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**110 ft.**

Facility ID: 0710533  
Facility Type: ER  
DER Facility ID: 341468  
Site ID: 391868  
DEC Region: 2  
Spill Date: 1/5/2008  
Spill Number/Closed Date: 0710533 / 1/11/2008  
Spill Cause: Human Error  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: RMPIPER  
Referred To: Not reported  
Reported to Dept: 1/5/2008  
CID: 41  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/7/2008  
Spill Record Last Update: 1/11/2008  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spiller Company: Not reported  
Contact Name: ABOVE  
Contact Phone: Not reported  
DEC Memo: DECP iper poske w. Tom at BLT transport. AS per him they pumped into a #2 oil tank and some two oil came out vent onto concrete. It was cleaned and the tank was pumped. Closed.

Remarks: DELIVERY TO WRONG LOCATION - PUMPING OUT - CALLER NOT FAMILIAR WITH SITUATION

**Material:**

Site ID: 391868  
Operable Unit ID: 1148902  
Operable Unit: 01  
Material ID: 2139396  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 7  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BLDG (Continued)**

**S108981791**

Oxygenate: False

Tank Test:

**J220**  
**ESE**  
**< 1/8**  
**0.122 mi.**  
**644 ft.**

**CON EDISON SERVICE BOX: 51215**  
**204 MANHATTAN AVE FRONT OF**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR** **1016961187**  
**NY MANIFEST** **NYP004336889**

**Site 14 of 15 in cluster J**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 08/29/2013

Facility name: CON EDISON SERVICE BOX: 51215

**Actual:**  
**62 ft.**

Facility address: 204 MANHATTAN AVE FRONT OF  
NEW YORK, NY 10025

EPA ID: NYP004336889

Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: RICARDO CARTY

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (646) 772-3407

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 07/29/2013

Site name: CON EDISON SERVICE BOX: 51215

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004336889

Country: USA

Location Address 1: FO 204 MANHATTAN AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 51215 (Continued)**

**1016961187**

Location Address 2: SB #51215  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/29/2013  
Trans1 Recv Date: 07/29/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/29/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004336889  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011695506JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J221**      **194/8 MANHATTAN AV**  
**ESE**        **194/8 MANHATTAN AV**  
**< 1/8**      **NYC, NY 10025**  
**0.122 mi.**  
**644 ft.**     **Site 15 of 15 in cluster J**

**NY AST**    **U003395213**  
**NY HIST AST**    **N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-479551  
 Program Type: PBS  
 UTM X: 587695.27427000005  
 UTM Y: 4517103.37717000002  
 Expiration Date: 01/12/1995  
 Site Type: Unknown

**Actual:**  
**66 ft.**

Affiliation Records:  
 Site Id: 21360  
 Affiliation Type: Facility Owner  
 Company Name: NYC HPD  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 75 MAIDEN LANE  
 Address2: Not reported  
 City: NY  
 State: NY  
 Zip Code: 10038  
 Country Code: 001  
 Phone: (212) 806-8565  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: CGFREEDM  
 Date Last Modified: 12/16/2004

Site Id: 21360  
 Affiliation Type: Mail Contact  
 Company Name: NYC HPD  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 75 MAIDEN LANE  
 Address2: Not reported  
 City: NY  
 State: NY  
 Zip Code: 10038  
 Country Code: 001  
 Phone: (212) 806-8565  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: CGFREEDM  
 Date Last Modified: 12/16/2004

Site Id: 21360  
 Affiliation Type: On-Site Operator  
 Company Name: 194/8 MANHATTAN AV  
 Contact Type: Not reported  
 Contact Name: NYC HPD  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

194/8 MANHATTAN AV (Continued)

U003395213

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21360  
Affiliation Type: Emergency Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: J ARSENEC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 360-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 38719  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**194/8 MANHATTAN AV (Continued)**

**U003395213**

Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479551  
SWIS Code: 6201  
Operator: NYC HPD  
Facility Phone: (212) 806-8565  
Facility Addr2: 194 MANHATTAN AV  
Facility Type: Not reported  
Emergency: J ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HPD  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NYC NY, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 826-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NYC HPD  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC NY, NY 10038  
Mailing Telephone: (212) 826-8565  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 01/26/1990  
Expiration: 01/12/1995  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**194/8 MANHATTAN AV (Continued)**

**U003395213**

Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**Q222**  
**West**  
**< 1/8**  
**0.122 mi.**  
**646 ft.**

**WEST SIDE INN**  
**237 WEST 107TH STREET**  
**NEW YORK, NY 10025**

**NY AST U003388945**  
**NY HIST AST N/A**

**Site 5 of 7 in cluster Q**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-283959  
Program Type: PBS  
UTM X: 587242.85941999999  
UTM Y: 4517255.5868100002  
Expiration Date: 07/14/2017  
Site Type: Other

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 12560  
Affiliation Type: Facility Owner  
Company Name: 107TH STREET HOTEL  
Contact Type: PRESIDENT  
Contact Name: AFTAB KABAB  
Address1: 237 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 866-0061  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/23/2007

Site Id: 12560  
Affiliation Type: Mail Contact  
Company Name: 107TH STREET HOTEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE INN (Continued)**

**U003388945**

Contact Type: Not reported  
Contact Name: AFTAB E. KABAB  
Address1: 237 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 866-0061  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12560  
Affiliation Type: On-Site Operator  
Company Name: WEST SIDE INN  
Contact Type: Not reported  
Contact Name: A. KABAB  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-0061  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12560  
Affiliation Type: Emergency Contact  
Company Name: 107TH STREET HOTEL  
Contact Type: Not reported  
Contact Name: A. KABAB  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-0061  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 14952  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST SIDE INN (Continued)

U003388945

G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/09/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DXLIVING  
Last Modified: 04/23/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-283959  
SWIS Code: 6201  
Operator: A. KABAB  
Facility Phone: (212) 866-0061  
Facility Addr2: 237 WEST 107TH STREET  
Facility Type: OTHER  
Emergency: A. KABAB  
Emergency Tel: (212) 866-0061  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 107TH STREET HOTEL  
Owner Address: 237 WEST 107TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 866-0061  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: AFTAB E. KABAB  
Mailing Name: 107TH STREET HOTEL  
Mailing Address: 237 WEST 107TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 866-0061  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 07/08/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE INN (Continued)**

**U003388945**

Expiration: 07/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 6  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**M223  
ESE  
< 1/8  
0.123 mi.  
647 ft.**

**CON EDISON GAS MAIN 10025  
MANHATTAN AVE & W 109TH ST  
NEW YORK, NY 10125**

**RCRA NonGen / NLR 1010326636  
NY MANIFEST NYP004142220**

**Site 4 of 5 in cluster M**

**Relative:  
Lower**

RCRA NonGen / NLR:

Date form received by agency: 11/17/2006  
Facility name: CON EDISON GAS MAIN 10025  
Facility address: MANHATTAN AVE & W 109TH ST  
NEW YORK, NY 10125  
EPA ID: NYP004142220  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: MICHAEL DAUGHTREY  
Contact address: 4 IRVING PL, RM 828

**Actual:  
60 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON GAS MAIN 10025 (Continued)**

**1010326636**

NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (212) 580-8383  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/16/2006  
Site name: CON EDISON  
Classification: Not a generator, verified

Date form received by agency: 11/15/2006  
Site name: CON EDISON  
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004142220  
Country: USA  
Location Address 1: MANHATTAN AVE & W 109TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PL RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE1321767

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON GAS MAIN 10025 (Continued)**

**1010326636**

Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 05/13/2006  
Trans1 Recv Date: 05/13/2006  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/15/2006  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004142220  
Trans1 EPA ID: 69526JR  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00096  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 00.08  
Year: 2006

Document ID: NYE1300977  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 05/30/2006  
Trans1 Recv Date: 05/30/2006  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/31/2006  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004142220  
Trans1 EPA ID: 12446JT  
Trans2 EPA ID: Not reported  
TSD ID: NYD006982359  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00050  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 00.08  
Year: 2006

**Q224**  
**West**  
**< 1/8**  
**0.123 mi.**  
**647 ft.**

**237 W 107TH STREET**  
**237 EAST 107TH STREET**  
**NEW YORK, NY**  
**Site 6 of 7 in cluster Q**

**NY Spills S102144993**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 8800107  
Facility Type: ER  
DER Facility ID: 216851  
Site ID: 266097  
DEC Region: 2

**Actual:**  
**109 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**237 W 107TH STREET (Continued)**

**S102144993**

Spill Date: 3/31/1988  
Spill Number/Closed Date: 8800107 / 4/5/1988  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 4/5/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: 4/5/1988  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/11/1988  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: APARTMENT BUILDING  
Spiller Address: Not reported  
Spiller City,St,Zip: NN  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: OIL ENTERING #247 WEST 107TH STREET & TRACED TO 237 W. 107TH STREET

Material:  
Site ID: 266097  
Operable Unit ID: 916946  
Operable Unit: 01  
Material ID: 462829  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**K225**  
**WNW**  
**< 1/8**  
**0.123 mi.**  
**652 ft.**

**SAMJO REALTY CORP.**  
**226 W 108 ST.**  
**NY, NY 10025**  
**Site 8 of 8 in cluster K**

**NY AST** **U003396194**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601490  
Program Type: PBS  
UTM X: 587292.04747999995  
UTM Y: 4517305.5721199997  
Expiration Date: 05/19/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**110 ft.**

Affiliation Records:  
Site Id: 23452  
Affiliation Type: Facility Owner  
Company Name: SAMJO REALTY CORP.  
Contact Type: OWNER/VICE PRESIDENT  
Contact Name: SAMUEL HERTZ  
Address1: 1060 OCEAN AVE., APT. A-1  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11226  
Country Code: 001  
Phone: (718) 434-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 4/19/2013

Site Id: 23452  
Affiliation Type: Mail Contact  
Company Name: SAMJO REALTY CORP.  
Contact Type: Not reported  
Contact Name: SAMUEL HERTZ  
Address1: 1060 OCEAN AVENUE #A1  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11226  
Country Code: 001  
Phone: (718) 434-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 4/19/2013

Site Id: 23452  
Affiliation Type: On-Site Operator  
Company Name: SAMJO REALTY CORP.  
Contact Type: Not reported  
Contact Name: XAVIER GONZALEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAMJO REALTY CORP. (Continued)**

**U003396194**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 434-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 3/25/2008

Site Id: 23452  
Affiliation Type: Emergency Contact  
Company Name: SAMJO REALTY CORP.  
Contact Type: Not reported  
Contact Name: SAMUEL HERTZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 404-9269  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 4/19/2013

Tank Info:

Tank Number: 001  
Tank Id: 46420  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
E02 - Piping Secondary Containment - Vault (with Access)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/15/1991  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAMJO REALTY CORP. (Continued)**

**U003396194**

Register: True  
Modified By: DMMOLOUG  
Last Modified: 04/19/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-601490  
SWIS Code: 6201  
Operator: SAMJO REALTY  
Facility Phone: (718) 434-5252  
Facility Addr2: 226 W 108 ST.  
Facility Type: APARTMENT BUILDING  
Emergency: SAMUEL HERTZ  
Emergency Tel: (718) 615-1033  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SAMJO REALTY CORP.  
Owner Address: 86 CORBIN PLACE  
Owner City,St,Zip: BROOKLYN, NY 11235  
Federal ID: Not reported  
Owner Tel: (718) 434-5252  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: IVONA HERTZ  
Mailing Name: SAMJO REALTY CORP.  
Mailing Address: 1060 OCEAN AVENUE #A1  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BROOKLYN, NY 11226  
Mailing Telephone: (718) 434-5252  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 03/23/1998  
Expiration: 05/19/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAMJO REALTY CORP. (Continued)**

**U003396194**

Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**N226  
NNW  
< 1/8  
0.123 mi.  
652 ft.**

**CHEMICAL BANK  
543 CATHEDRAL PARKWAY  
NEW YORK, NY 10025  
Site 11 of 22 in cluster N**

**NY AST U000417162  
NY HIST AST N/A**

**Relative:  
Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-275085  
Program Type: PBS  
UTM X: 587334.18723000004  
UTM Y: 4517473.71294  
Expiration Date: 01/23/2009  
Site Type: Other

**Actual:  
108 ft.**

**Affiliation Records:**

Site Id: 11781  
Affiliation Type: Facility Owner  
Company Name: 543 REALTY CO. LLC % SURTSEY REALTY CO.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 2130 BROADWAY, SUITE 203  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 362-4772  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11781

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMICAL BANK (Continued)**

U000417162

Affiliation Type: Mail Contact  
Company Name: % SURTSEY REALTY CO.  
Contact Type: Not reported  
Contact Name: 543 REALTY CO. LLC  
Address1: 2130 BROADWAY  
Address2: SUITE 203  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 362-4772  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11781  
Affiliation Type: On-Site Operator  
Company Name: 543 CATHEDRAL PARKWAY  
Contact Type: Not reported  
Contact Name: 543 REALTY CO. LLC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 362-4772  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11781  
Affiliation Type: Emergency Contact  
Company Name: 543 REALTY CO. LLC % SURTSEY REALTY CO.  
Contact Type: Not reported  
Contact Name: P.M. REMER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 362-4772  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 13830  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMICAL BANK (Continued)**

**U000417162**

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-275085  
SWIS Code: 6201  
Operator: CHEMICAL BANK  
Facility Phone: (212) 310-6161  
Facility Addr2: 543 CATHEDRAL PARKWAY  
Facility Type: Not reported  
Emergency: CHEMICAL BANK SECURITY CONSOLE  
Emergency Tel: (212) 310-6161  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CHEMICAL BANK  
Owner Address: 277 PARK AVE  
Owner City,St,Zip: NEW YORK, NY 10172  
Federal ID: Not reported  
Owner Tel: (212) 310-6161  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: CHEMICAL BANK  
Mailing Address: 277 PARK AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10172  
Mailing Telephone: (212) 310-6161  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEMICAL BANK (Continued)**

**U000417162**

Certification Date: 02/03/1988  
Expiration: 02/03/1993  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 9  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**P227 TRUSTEES OF COLUMBIA**  
**NW 257-263 WEST 109 ST**  
**< 1/8 NEW YORK, NY 10025**  
**0.125 mi.**  
**660 ft. Site 5 of 6 in cluster P**

**NY AST A100166489**  
**N/A**

**Relative:** AST:  
**Higher** Region: STATE  
DEC Region: 2  
**Actual:** Site Status: Active  
**110 ft.** Facility Id: 2-239917  
Program Type: PBS  
UTM X: 587222.84874000004  
UTM Y: 4517411.0138600003  
Expiration Date: 02/03/2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA (Continued)**

**A100166489**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 9062

Affiliation Type: Facility Owner

Company Name: TRUSTEES OF COLUMBIA UNIVERSITY

Contact Type: VP

Contact Name: MARK KERMAN

Address1: 400 WEST 119TH STREET

Address2: Not reported

City: NEW YORK

State: NY

Zip Code: 10027

Country Code: 001

Phone: (212) 854-8835

E-Mail: Not reported

Fax Number: Not reported

Modified By: KAKYER

Date Last Modified: 5/2/2013

Site Id: 9062

Affiliation Type: Mail Contact

Company Name: TRUSTEES OF COLUMBIA UNIVERSITY

Contact Type: Not reported

Contact Name: ANTHONY NASSER

Address1: 401 WEST 119TH ST

Address2: Not reported

City: NEW YORK,

State: NY

Zip Code: 10027

Country Code: 001

Phone: (212) 854-8835

E-Mail: Not reported

Fax Number: Not reported

Modified By: KAKYER

Date Last Modified: 5/2/2013

Site Id: 9062

Affiliation Type: On-Site Operator

Company Name: TRUSTEES OF COLUMBIA

Contact Type: Not reported

Contact Name: HECTOR RODRIGUEZ

Address1: Not reported

Address2: Not reported

City: Not reported

State: NN

Zip Code: Not reported

Country Code: 001

Phone: (212) 851-4236

E-Mail: Not reported

Fax Number: Not reported

Modified By: KAKYER

Date Last Modified: 5/2/2013

Site Id: 9062

Affiliation Type: Emergency Contact

Company Name: TRUSTEES OF COLUMBIA UNIVERSITY

Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA (Continued)**

**A100166489**

Contact Name: ANTHONY NASSER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-8835  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 5/2/2013

Tank Info:

Tank Number: 001  
Tank Id: 10219  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000  
Tightness Test Method: 03  
Date Test: 08/01/1993  
Next Test Date: Not reported  
Date Tank Closed: 10/01/2008  
Register: True  
Modified By: KAKYER  
Last Modified: 05/02/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 248108

Equipment Records:

I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA (Continued)

A100166489

B05 - Tank External Protection - Jacketed  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/09/2008  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 05/02/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

N228  
NNW  
< 1/8  
0.125 mi.  
660 ft.

HARMONY HALL  
544 WEST 110TH STREET  
NEW YORK, NY 10025  
Site 12 of 22 in cluster N

NY AST U003395701  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-600649  
Program Type: PBS  
UTM X: 587324.92602999997  
UTM Y: 4517464.9438300002  
Expiration Date: 01/30/2017  
Site Type: Apartment Building/Office Building

Actual:  
109 ft.

Affiliation Records:  
Site Id: 22629  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASSISTANT VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 401 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/29/2014

Site Id: 22629

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARMONY HALL (Continued)**

**U003395701**

Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASSISTANT VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119 STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/11/2014

Site Id: 22629  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/29/2014

Site Id: 22629  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/16/2013

Tank Info:

Tank Number: 001  
Tank Id: 43189  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARMONY HALL (Continued)**

**U003395701**

Equipment Records:

F00 - Pipe External Protection - None  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 04/02/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 05/20/2013  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/29/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-600649  
SWIS Code: 6201  
Operator: CAROLYN SMITH  
Facility Phone: (212) 854-2777  
Facility Addr2: 544 WEST 110TH STREET  
Facility Type: SCHOOL  
Emergency: CAROLYN SMITH  
Emergency Tel: (212) 854-2777  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Owner Address: 1116 AMSTERDAM AVENUE  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-2777  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: CAROLYN SMITH  
Mailing Name: COLUMBIA UNIVERSITY RESIDENCE HALLS  
Mailing Address: 1116 AMSTERDAM AVENUE  
Mailing Address 2: RM 102 WALLACH HALL  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-2777  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARMONY HALL (Continued)**

**U003395701**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 08/05/1998  
Expiration: 01/30/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 544  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 02  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**N229**  
**North**  
**1/8-1/4**  
**0.126 mi.**  
**663 ft.**

**CON EDISON SERVICE BOX: 16597**  
**111-113 W 96TH ST & AMSTERDAM**  
**NEW YORK, NY 10025**  
**Site 13 of 22 in cluster N**

**RCRA NonGen / NLR** **1016454626**  
**FINDS** **NYP004330403**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 08/17/2013  
Facility name: CON EDISON SERVICE BOX: 16597  
Facility address: 111-113 W 96TH ST & AMSTERDAM  
FRONT OF  
NEW YORK, NY 10025

**Actual:**  
**113 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 16597 (Continued)**

**1016454626**

EPA ID: NYP004330403  
Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/17/2013  
Site name: CON EDISON SERVICE BOX: 16597  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056498838

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**S230** 153 MANHATTAN AVENUE H.D.F.C  
**SE** 161 MANHATTAN AVENUE  
**1/8-1/4** NEW YORK, NY 10025  
**0.127 mi.**  
**668 ft.** **Site 1 of 7 in cluster S**

**NY AST** **A100194205**  
**N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607175  
Program Type: PBS  
UTM X: 587656.66631999996  
UTM Y: 4517026.6774300002  
Expiration Date: 11/16/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**68 ft.**

Affiliation Records:

Site Id: 29029  
Affiliation Type: Facility Owner  
Company Name: 153 MANHATTAN AVENUE H.D.F.C  
Contact Type: MAINTENANCE SUPT  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 29029  
Affiliation Type: Mail Contact  
Company Name: MANHATTAN VALLEY MGMT. CORP.  
Contact Type: Not reported  
Contact Name: MANHATTAN VALLEY MGMT.  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 7/22/2013

Site Id: 29029  
Affiliation Type: On-Site Operator  
Company Name: 153 MANHATTAN AVENUE H.D.F.C  
Contact Type: Not reported  
Contact Name: MANHATTAN VALLEY MGNT CO.  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**153 MANHATTAN AVENUE H.D.F.C (Continued)**

**A100194205**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29029  
Affiliation Type: Emergency Contact  
Company Name: 153 MANHATTAN AVENUE H.D.F.C  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: Not reported  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Tank Info:

Tank Number: 001  
Tank Id: 62455  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I00 - Overfill - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/20/1941  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**153 MANHATTAN AVENUE H.D.F.C (Continued)**

**A100194205**

Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 07/24/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**N231  
North  
1/8-1/4  
0.127 mi.  
671 ft.**

**504 W 111 OWNERS CORP  
504 WEST 111ST ST  
NEW YORK, NY 10025**

**NY AST U004045609  
N/A**

**Site 14 of 22 in cluster N**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-280143  
Program Type: PBS  
UTM X: 587457.00109999999  
UTM Y: 4517490.0416400004  
Expiration Date: 07/14/1997  
Site Type: Apartment Building/Office Building

**Actual:  
113 ft.**

Affiliation Records:

Site Id: 12225  
Affiliation Type: Facility Owner  
Company Name: 504 W 111 OWNERS CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: RPM REALTY P.O. BOX 20080  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11202  
Country Code: 001  
Phone: (718) 624-6114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12225  
Affiliation Type: Mail Contact  
Company Name: 504 W 111 OWNERS CORPORATION  
Contact Type: Not reported  
Contact Name: SUPER FACILITY MANAGEER  
Address1: C/O RPM REALTY  
Address2: P.O. BOX 20080  
City: BROOKLYN  
State: NY  
Zip Code: 11202  
Country Code: 001  
Phone: (718) 624-6114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**504 W 111 OWNERS CORP (Continued)**

**U004045609**

Site Id: 12225  
Affiliation Type: On-Site Operator  
Company Name: 504 W 111 OWNERS CORP  
Contact Type: Not reported  
Contact Name: K. JENNAS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 961-0865  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12225  
Affiliation Type: Emergency Contact  
Company Name: 504 W 111 OWNERS CORP  
Contact Type: Not reported  
Contact Name: K. JENNAS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 961-0865  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 14557  
Material Code: 0000  
Common Name of Substance: Empty

Equipment Records:

B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J01 - Dispenser - Pressurized Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**504 W 111 OWNERS CORP (Continued)**

**U004045609**

Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 01/01/1994  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: Empty

**P232**  
**NW**  
**1/8-1/4**  
**0.128 mi.**  
**675 ft.**

**258 W 109TH ST**  
**NEW YORK, NY 10025**  
**Site 6 of 6 in cluster P**

**EDR US Hist Cleaners 1015029534**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**111 ft.**

EDR Historical Cleaners:  
Name: DORIAN TAILOR & DRY CLEANING  
Year: 2005  
Address: 258 W 109TH ST

**N233**  
**North**  
**1/8-1/4**  
**0.129 mi.**  
**681 ft.**

**ST. JOHN COURT**  
**500 WEST 111TH ST**  
**NEW YORK, NY 10025**  
**Site 15 of 22 in cluster N**

**NY AST U003386854**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**113 ft.**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-194506  
Program Type: PBS  
UTM X: 587466.34051999997  
UTM Y: 4517485.0451100003  
Expiration Date: 10/26/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:  
Site Id: 6234  
Affiliation Type: Facility Owner  
Company Name: ST. JOHN COURT OWNERS CORP.  
Contact Type: PROPERTY MANAGER  
Contact Name: ENRIQUETA CRUZ  
Address1: 500 WEST 111TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 557-3600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 3/25/2015

Site Id: 6234

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. JOHN COURT (Continued)**

**U003386854**

Affiliation Type: Mail Contact  
Company Name: ST JOHNS COURT OWNERS CORP.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: C/O TUDOR REALTY SERVICES  
Address2: 250 PARK AVE SO. 4TH FL  
City: NEW YORK  
State: NY  
Zip Code: 10003  
Country Code: 001  
Phone: (212) 557-3600  
EMail: JULIEC@TUDORREALTY.COM  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 3/25/2015

Site Id: 6234  
Affiliation Type: On-Site Operator  
Company Name: ST. JOHN COURT  
Contact Type: Not reported  
Contact Name: ALEX MERINO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 280-5024  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6234  
Affiliation Type: Emergency Contact  
Company Name: ST. JOHN COURT OWNERS CORP. % WAVECREST  
Contact Type: Not reported  
Contact Name: JAY YABLONSKY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 463-1200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10796  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. JOHN COURT (Continued)**

**U003386854**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/1991  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NTFREEMA  
Last Modified: 03/25/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

R234  
WSW  
1/8-1/4  
0.130 mi.  
688 ft.

**AMSTERDAM PORTFOLIO  
931 AMSTERDAM AVENUE  
NEW YORK, NY 10025**  
**Site 9 of 12 in cluster R**

**NY AST A100292880  
N/A**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607974  
Program Type: PBS  
UTM X: 587239.93185000005  
UTM Y: 4517086.6990499999  
Expiration Date: 02/17/2017  
Site Type: Apartment Building/Office Building

**Actual:  
106 ft.**

Affiliation Records:  
Site Id: 29826  
Affiliation Type: Mail Contact  
Company Name: 931 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: HARRY TAWIL  
Address1: 707 PALISADES AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: HARRYT@ORBACHGROUP.COM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM PORTFOLIO (Continued)**

**A100292880**

Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 29826  
Affiliation Type: On-Site Operator  
Company Name: AMSTERDAM PORTFOLIO  
Contact Type: Not reported  
Contact Name: DAISY LOPEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 995-6683  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 29826  
Affiliation Type: Emergency Contact  
Company Name: 931 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH HEATING CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 29826  
Affiliation Type: Facility Owner  
Company Name: 931 AMSTERDAM HOLDINGS, LLC  
Contact Type: AGENT  
Contact Name: DAISY LOPEZ  
Address1: 707 PALISADES AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM PORTFOLIO (Continued)**

**A100292880**

Tank Number: 100  
Tank Id: 64055  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/09/1913  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/06/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

S235  
SE  
1/8-1/4  
0.130 mi.  
688 ft.

**CONSOLIDATED EDISON  
155 MANHATTAN  
NEW YORK, NY**  
**Site 2 of 7 in cluster S**

**NY MANIFEST S109825300  
N/A**

**Relative:  
Lower**

NY MANIFEST:  
EPA ID: NYP004179743  
Country: USA  
Location Address 1: 155 MANHATTAN  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

**Actual:  
68 ft.**

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**S109825300**

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/24/2009  
Trans1 Recv Date: 06/24/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/24/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004179743  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 000961428GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**N236**  
**North**  
**1/8-1/4**  
**0.130 mi.**  
**689 ft.**

**BLENNERHASSET CORP**  
**507 WEST 111TH ST**  
**NEW YORK, NY 10025**  
**Site 16 of 22 in cluster N**

**NY AST** **U004081738**  
**N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-245259  
Program Type: PBS  
UTM X: 587456.92270999996  
UTM Y: 4517503.8074399997  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:

Site Id: 9533  
Affiliation Type: Facility Owner  
Company Name: BLENNERHASSET CORP C/O MANHATTAN MODERN MGMT INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BLANNERHASSET CORP (Continued)**

**U004081738**

Contact Type: AGENT  
Contact Name: JOHN MASINI  
Address1: 16 PENN PLAZA SUITE 511  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 799-1358  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/2/2012

Site Id: 9533  
Affiliation Type: Mail Contact  
Company Name: BLANNERHASSET CORP C/O MANHATTAN MODERN MGMT INC  
Contact Type: AGENT  
Contact Name: JOHN MASINI  
Address1: 16 PENN PLAZA SUITE 511  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 799-1358  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/2/2012

Site Id: 9533  
Affiliation Type: On-Site Operator  
Company Name: BLANNERHASSET CORP  
Contact Type: Not reported  
Contact Name: MARC GILBERT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 423-5098  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/2/2012

Site Id: 9533  
Affiliation Type: Emergency Contact  
Company Name: BLANNERHASSET CORP C/O MANHATTAN MODERN MGMT INC  
Contact Type: Not reported  
Contact Name: MICHELLE JOYCE-JOHNSON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BLENNERHASSET CORP (Continued)**

**U004081738**

Zip Code: Not reported  
Country Code: 999  
Phone: (212) 799-1358  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/2/2012

Tank Info:

Tank Number: 001  
Tank Id: 11596  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F04 - Pipe External Protection - Fiberglass  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/12/1984  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/02/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

R237  
WSW  
1/8-1/4  
0.131 mi.  
691 ft.

**PROVARC CO. INC.**  
**930 AMSTERDAM AVENUE**  
**NEW YORK, NY 10025**

**Site 10 of 12 in cluster R**

**NY AST A100183586**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607027  
Program Type: PBS  
UTM X: 587232.0466099996

**Actual:**  
**106 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROVARC CO. INC. (Continued)**

**A100183586**

UTM Y: 4517097.1533000004  
Expiration Date: 09/27/2016  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 28882  
Affiliation Type: Facility Owner  
Company Name: PROVIDENCIA VELEZ  
Contact Type: PRES.  
Contact Name: GLADYS VELEZ  
Address1: 382 WESTERN HIGHWAY  
Address2: Not reported  
City: TAPPAN  
State: NY  
Zip Code: 10983  
Country Code: 001  
Phone: (845) 359-9427  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 7/24/2006

Site Id: 28882  
Affiliation Type: Mail Contact  
Company Name: PROVARC CO. INC.  
Contact Type: Not reported  
Contact Name: GLADYS VELEZ  
Address1: 930 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 666-2498  
EMail: PROVARC@AOL.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 7/5/2011

Site Id: 28882  
Affiliation Type: On-Site Operator  
Company Name: PROVARC CO. INC.  
Contact Type: Not reported  
Contact Name: GLADYS VELEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2498  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28882  
Affiliation Type: Emergency Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PROVARC CO. INC. (Continued)**

**A100183586**

Company Name: PROVIDENCIA VELEZ  
Contact Type: Not reported  
Contact Name: GLADYS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-8958  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 62189  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J00 - Dispenser - None  
E02 - Piping Secondary Containment - Vault (with Access)  
L02 - Piping Leak Detection - Interstitial - Manual Monitoring  
C01 - Pipe Location - Aboveground  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/10/1964  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 07/05/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**S238**  
**SE**  
**1/8-1/4**  
**0.131 mi.**  
**693 ft.**

**CON EDISON SERVICE BOX: 51196**  
**MANHATTAN AVE & 107TH ST SW**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**  
**FINDS**  
**NY MANIFEST**

**1016454835**  
**NYP004335063**

**Site 3 of 7 in cluster S**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 08/25/2013

Facility name: CON EDISON SERVICE BOX: 51196

Facility address: MANHATTAN AVE & 107TH ST SW

COR

NEW YORK, NY 10025

EPA ID: NYP004335063

Mailing address: VING PL, 15TH FL NE

NEW YORK, NY 10003

Contact: THOMAS TEELING

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**68 ft.**

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 07/25/2013

Site name: CON EDISON SERVICE BOX: 51196

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056502805

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 51196 (Continued)**

**1016454835**

corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004335063  
Country: USA  
Location Address 1: SWC MANHATTAN AVE  
Location Address 2: SB #51196  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/25/2013  
Trans1 Recv Date: 07/25/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/26/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004335063  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011693317JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**L239**  
**South**  
**1/8-1/4**  
**0.132 mi.**  
**698 ft.**  
**928 COLUMBUS HOLDINGS, LLC**  
**928 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**  
**Site 22 of 25 in cluster L**

**NY AST** **U004067789**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**104 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-610393  
Program Type: PBS  
UTM X: 587467.17027  
UTM Y: 4516955.4882100001  
Expiration Date: 04/28/2019  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 373237  
Affiliation Type: Mail Contact  
Company Name: 928 COLUMBUS HOLDINGS LLC  
Contact Type: Not reported  
Contact Name: YANIR RYBA  
Address1: Not reported  
Address2: PO BOX 1524  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07631  
Country Code: 001  
Phone: (862) 881-6920  
EMail: PGARCIA@TREETOPDEV.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/5/2014

Site Id: 373237  
Affiliation Type: On-Site Operator  
Company Name: 928 COLUMBUS AVENUE  
Contact Type: Not reported  
Contact Name: DAMIR RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NY  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 597-2979  
EMail: Not reported  
Fax Number: Not reported  
Modified By: GDBREEN  
Date Last Modified: 2/21/2014

Site Id: 373237  
Affiliation Type: Emergency Contact  
Company Name: 928 COLUMBUS HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: DAMIR RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**928 COLUMBUS HOLDINGS, LLC (Continued)**

**U004067789**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (201) 259-1595  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/2/2014

Site Id: 373237  
Affiliation Type: Facility Owner  
Company Name: 928 COLUMBUS HOLDINGS LLC  
Contact Type: OFFICER  
Contact Name: KENNETH FRIEDMAN  
Address1: 707 PALISADE AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 9/5/2014

Tank Info:

Tank Number: 001  
Tank Id: 214389  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
E01 - Piping Secondary Containment - Diking (Aboveground)  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J01 - Dispenser - Pressurized Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 09/29/2006  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/07/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**928 COLUMBUS HOLDINGS, LLC (Continued)**

**U004067789**

Register: True  
Modified By: CGFREEDM  
Last Modified: 09/08/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**S240**  
**SE**  
**1/8-1/4**  
**0.133 mi.**  
**700 ft.**

**150 MANHATTAN AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners** **1014995987**  
**N/A**

**Site 4 of 7 in cluster S**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: TOFFYS DRY CLEANERS  
Year: 2000  
Address: 150 MANHATTAN AVE

**Actual:**  
**68 ft.**

Name: TOFFYS DRY CLEANERS  
Year: 2005  
Address: 150 MANHATTAN AVE

**L241**  
**South**  
**1/8-1/4**  
**0.133 mi.**  
**701 ft.**

**931-33 COLUMBUS AVENUE HDFC**  
**931 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**

**NY AST** **A100183552**  
**N/A**

**Site 23 of 25 in cluster L**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606989  
Program Type: PBS  
UTM X: 587480.41064000002  
UTM Y: 4516955.9778699996  
Expiration Date: 09/24/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**104 ft.**

Affiliation Records:

Site Id: 28844  
Affiliation Type: Facility Owner  
Company Name: 931-33 COLUMBUS AVENUE HDFC  
Contact Type: MAINTENANCE SUPERVISOR  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 11/14/2012

Site Id: 28844  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**931-33 COLUMBUS AVENUE HDFC (Continued)**

**A100183552**

Company Name: MANHATTAN VALLEY MGMT. CO.  
Contact Type: Not reported  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: GLAVOILE@MVPC.ORG  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28844  
Affiliation Type: On-Site Operator  
Company Name: 931-33 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: EDNER SMITH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 235-8189  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 8/23/2010

Site Id: 28844  
Affiliation Type: Emergency Contact  
Company Name: 931-33 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: REGINA MENDOZA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 8/23/2010

Tank Info:

Tank Number: 001  
Tank Id: 62137  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

931-33 COLUMBUS AVENUE HDFC (Continued)

A100183552

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
L99 - Piping Leak Detection - Other  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel Tank in Concrete  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/01/1976  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 08/23/2010  
Material Name: #2 Fuel Oil (On-Site Consumption)

T242  
West  
1/8-1/4  
0.134 mi.  
707 ft.

211 W 106TH ST  
211 WEST 106TH STREET  
NEW YORK, NY 10025

NY AST U004081797  
N/A

Site 1 of 4 in cluster T

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-309435  
Program Type: PBS  
UTM X: 587252.6115299999  
UTM Y: 4517151.2302599996  
Expiration Date: 02/23/2020  
Site Type: Apartment Building/Office Building

Actual:  
106 ft.

Affiliation Records:

Site Id: 14105  
Affiliation Type: Mail Contact  
Company Name: 207-211 W. 106 LLC  
Contact Type: MEMBER  
Contact Name: RICHARD SCHARF  
Address1: P.O. BOX 574  
Address2: Not reported  
City: CEDARHURST  
State: NY  
Zip Code: 11516  
Country Code: 001  
Phone: (516) 837-7000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 106TH ST (Continued)**

**U004081797**

EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/23/2005

Site Id: 14105  
Affiliation Type: On-Site Operator  
Company Name: 211 W 106TH ST  
Contact Type: Not reported  
Contact Name: DANNY GILJIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 280-0590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 3/9/2015

Site Id: 14105  
Affiliation Type: Emergency Contact  
Company Name: 207-211 W. 106 LLC  
Contact Type: Not reported  
Contact Name: MARTIN SCHARF  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 569-4119  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/23/2005

Site Id: 14105  
Affiliation Type: Facility Owner  
Company Name: 207-211 W. 106 LLC  
Contact Type: MEMBER  
Contact Name: RICHARD SCHARF  
Address1: P.O. BOX 574  
Address2: Not reported  
City: CEDARHURST  
State: NY  
Zip Code: 11516  
Country Code: 001  
Phone: (516) 837-7000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/23/2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**211 W 106TH ST (Continued)**

**U004081797**

Tank Info:

Tank Number: 001  
Tank Id: 17805  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/11/1945  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NTFREEMA  
Last Modified: 03/09/2015  
Material Name: #4 Fuel Oil (On-Site Consumption)

**N243**  
**North**  
**1/8-1/4**  
**0.134 mi.**  
**707 ft.**

**SHERER REALTY CORP INC**  
**513-515 WEST 111TH ST**  
**NEW YORK, NY 10025**  
**Site 17 of 22 in cluster N**

**NY AST** **U003385523**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-117439  
Program Type: PBS  
UTM X: 587407.34690999996  
UTM Y: 4517501.01437  
Expiration Date: 06/05/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:

Site Id: 4003  
Affiliation Type: Facility Owner  
Company Name: SHERER REALTY CO INC  
Contact Type: PRESIDENT  
Contact Name: ROMAN SHERER  
Address1: 190 RIVERSIDE DRIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHERER REALTY CORP INC (Continued)**

**U003385523**

Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-2384  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 3/22/2007

Site Id: 4003  
Affiliation Type: Mail Contact  
Company Name: SHERER REALTY CO INC  
Contact Type: PRESIDENT  
Contact Name: ROMAN SHERER  
Address1: 190 RIVERSIDE DRIVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-2384  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 3/22/2007

Site Id: 4003  
Affiliation Type: On-Site Operator  
Company Name: SHERER REALTY CORP INC  
Contact Type: Not reported  
Contact Name: ROMAN SHERER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 874-2384  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4003  
Affiliation Type: Emergency Contact  
Company Name: SHERER REALTY CO INC  
Contact Type: Not reported  
Contact Name: ROMAN SHERER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 874-2384

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHERER REALTY CORP INC (Continued)**

**U003385523**

E-Mail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 7964  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/15/1970  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DXLIVING  
Last Modified: 03/22/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-117439  
SWIS Code: 6201  
Operator: ROMAN SHERER  
Facility Phone: (212) 874-2384  
Facility Addr2: 513 WEST 111TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: ROMAN SHERER  
Emergency Tel: (212) 874-2384  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SHERER REALTY CO INC  
Owner Address: 190 RIVERSIDE DRIVE  
Owner City,St,Zip: NEW YORK, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 874-2384

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHERER REALTY CORP INC (Continued)**

**U003385523**

Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SHERER REALTY CO INC  
Mailing Address: 190 RIVERSIDE DRIVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 874-2384  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 06/27/1997  
Expiration: 06/05/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M244**  
**East**  
**1/8-1/4**  
**0.135 mi.**  
**713 ft.**

**CON EDISON**  
**W 110TH ST & MANHATTAN AVE TO**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**    **1010327518**  
**NYP004147062**

**Site 5 of 5 in cluster M**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**55 ft.**

Date form received by agency: 01/11/2007  
Facility name: CON EDISON  
Facility address: W 110TH ST & MANHATTAN AVE TO  
W 111TH ST & 7TH  
NEW YORK, NY 10025  
EPA ID: NYP004147062  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: GREGORY EIBAND  
Contact address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (646) 235-6940  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/10/2007  
Site name: CON EDISON  
Classification: Not a generator, verified

Date form received by agency: 01/09/2007  
Site name: CON EDISON  
Classification: Unverified

Violation Status: No violations found

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**L245**  
**South**  
**1/8-1/4**  
**0.135 mi.**  
**714 ft.**

**THE STERLING GROUP, LLC**  
**929 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**

**NY AST**    **A100173447**  
                   **N/A**

**Site 24 of 25 in cluster L**

**Relative:**  
**Higher**

AST:

**Actual:**  
**104 ft.**

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-374415  
 Program Type: PBS  
 UTM X: 587512.11273000005  
 UTM Y: 4516960.5635799998  
 Expiration Date: 01/03/2016  
 Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 18834  
 Affiliation Type: Facility Owner  
 Company Name: THE STERLING GROUP  
 Contact Type: PRES.  
 Contact Name: DAVID GATENIO  
 Address1: P.O. BOX 375  
 Address2: Not reported  
 City: CEDARHURST  
 State: NY  
 Zip Code: 11516-0375  
 Country Code: 001  
 Phone: (516) 569-0429  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: KXTANG  
 Date Last Modified: 12/6/2005

Site Id: 18834  
 Affiliation Type: Mail Contact  
 Company Name: THE STERLING GROUP, LLC  
 Contact Type: Not reported  
 Contact Name: MR. DAVID GATENIO  
 Address1: P.O. BOX 375  
 Address2: Not reported  
 City: CEDARHURST  
 State: NY  
 Zip Code: 11516-0375  
 Country Code: 001  
 Phone: (516) 569-0429  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: KXTANG  
 Date Last Modified: 12/6/2005

Site Id: 18834  
 Affiliation Type: On-Site Operator  
 Company Name: THE STERLING GROUP, LLC  
 Contact Type: Not reported  
 Contact Name: HIPOLITO VALDEZ  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE STERLING GROUP, LLC (Continued)**

**A100173447**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (516) 351-1033  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/14/2010

Site Id: 18834  
Affiliation Type: Emergency Contact  
Company Name: THE STERLING GROUP  
Contact Type: Not reported  
Contact Name: MR. DAVID GATENIO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 699-7781  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/6/2005

Tank Info:

Tank Number: 001  
Tank Id: 21137  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/01/1980  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**THE STERLING GROUP, LLC (Continued)**

**A100173447**

Modified By: TRANSLAT  
 Last Modified: 03/04/2004  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**R246**  
**SW**  
**1/8-1/4**  
**0.136 mi.**  
**716 ft.**

**929 AMSTERDAM AVE**  
**929 AMSTERDAM AVENUE**  
**NEW YORK, NY 10019**

**NY AST** **A100292878**  
**N/A**

**Site 11 of 12 in cluster R**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-607975  
 Program Type: PBS  
 UTM X: 587235.88084  
 UTM Y: 4517079.6567700002  
 Expiration Date: 02/17/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:

Site Id: 29827  
 Affiliation Type: Mail Contact  
 Company Name: 929 AMSTERDAM HOLDINGS, LLC  
 Contact Type: Not reported  
 Contact Name: HARRY TALOIL  
 Address1: 707 PALISADES AVE.  
 Address2: Not reported  
 City: ENGLEWOOD CLIFFS  
 State: NJ  
 Zip Code: 07632  
 Country Code: 001  
 Phone: (201) 242-4800  
 EMail: HARRYT@ORBACHGROUP.COM  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 1/6/2014

Site Id: 29827  
 Affiliation Type: On-Site Operator  
 Company Name: 929 AMSTERDAM AVE  
 Contact Type: Not reported  
 Contact Name: DAISY LOPEZ  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported  
 State: NN  
 Zip Code: Not reported  
 Country Code: 001  
 Phone: (917) 995-6683  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 1/6/2014

Site Id: 29827  
 Affiliation Type: Emergency Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**929 AMSTERDAM AVE (Continued)**

**A100292878**

Company Name: 929 AMSTERDAM HOLDINGS, LLC  
Contact Type: Not reported  
Contact Name: HI-TECH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 323-5430  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Site Id: 29827  
Affiliation Type: Facility Owner  
Company Name: 929 AMSTERDAM HOLDINGS, LLC  
Contact Type: AGENT  
Contact Name: DAISY LOPEZ  
Address1: 707 PALISADES AVE.  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/6/2014

Tank Info:

Tank Number: 100  
Tank Id: 64056  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**929 AMSTERDAM AVE (Continued)**

**A100292878**

Install Date: 12/01/1913  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/06/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**N247**  
**North**  
**1/8-1/4**  
**0.136 mi.**  
**719 ft.**

**TRUSTEES OF COLUMBIA UNIV**  
**518 WEST 111TH STREET**  
**NEW YORK, NY 10025**  
**Site 18 of 22 in cluster N**

**NY UST** **U001840208**  
**NY HIST UST** **N/A**

**Relative:**  
**Higher**

UST:  
Id/Status: 2-453994 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 10/14/2018  
UTM X: 587424.31191000005  
UTM Y: 4517507.6405999996  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:  
Site Id: 19905  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19905  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U001840208**

Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19905  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19905  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank ID: 35741  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: 04/02/1963  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: 12/27/1987  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U001840208**

Modified By: MSBAPTIS  
Last Modified: 11/21/2013

Equipment Records:

- A00 - Tank Internal Protection - None
- D01 - Pipe Type - Steel/Carbon Steel/Iron
- F06 - Pipe External Protection - Wrapped
- I05 - Overfill - Vent Whistle
- J02 - Dispenser - Suction Dispenser
- L09 - Piping Leak Detection - Exempt Suction Piping
- G03 - Tank Secondary Containment - Vault (w/o access)
- I04 - Overfill - Product Level Gauge (A/G)
- B05 - Tank External Protection - Jacketed
- C01 - Pipe Location - Aboveground
- H00 - Tank Leak Detection - None

**HIST UST:**

PBS Number: 2-453994  
SPDES Number: Not reported  
Emergency Contact: MARK L. KERMAN  
Emergency Telephone: (212) 854-2275  
Operator: TRUSTEES OF COLUMBIA UNIV  
Operator Telephone: (212) 854-9300  
Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Owner Telephone: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Contact: MARK KERMAN  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Addr2: 518 WEST 111TH STREET  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration Date: 10/14/2003  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U001840208**

Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City: 01  
 Region: 2

Tank Id: 001  
 Tank Location: UNDERGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (gals): 5000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: None  
 Tank External: Jacketed  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: Wrapped (Piping)  
 Second Containment: Diking  
 Leak Detection: None  
 Overfill Prot: Vent Whistle, Product Level Gauge  
 Dispenser: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 Lat/long: Not reported

**R248  
 SW  
 1/8-1/4  
 0.137 mi.  
 722 ft.**

**926 AMSTERDAM AVE  
 926 AMSTERDAM AVENUE  
 NEW YORK, NY 10025  
 Site 12 of 12 in cluster R**

**NY AST A100129167  
 N/A**

**Relative:  
 Higher  
 Actual:  
 106 ft.**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-603876  
 Program Type: PBS  
 UTM X: 587255.02011000004  
 UTM Y: 4517090.0856100004  
 Expiration Date: 04/28/2019  
 Site Type: Apartment Building/Office Building

Affiliation Records:  
 Site Id: 25775  
 Affiliation Type: Mail Contact  
 Company Name: 926 AMSTERDAM NYC, LLC  
 Contact Type: Not reported  
 Contact Name: YANIR RYBA  
 Address1: P.O. BOX 1524  
 Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

926 AMSTERDAM AVE (Continued)

A100129167

City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (862) 881-6920  
EMail: YANIR@LHAPTS.COM  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/28/2015

Site Id: 25775  
Affiliation Type: On-Site Operator  
Company Name: 926 AMSTERDAM AVE  
Contact Type: Not reported  
Contact Name: IBRAHIM ZIQIRI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 345-6286  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 1/9/2014

Site Id: 25775  
Affiliation Type: Emergency Contact  
Company Name: 926 AMSTERDAM NYC, LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: Not reported  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/28/2015

Site Id: 25775  
Affiliation Type: Facility Owner  
Company Name: 926 AMSTERDAM NYC, LLC  
Contact Type: PROPERTY MANAGER  
Contact Name: YANIR RYBA  
Address1: P.O. BOX 1524  
Address2: Not reported  
City: ENGLEWOOD CLIFFS  
State: NJ  
Zip Code: 07632  
Country Code: 001  
Phone: (201) 242-4800  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**926 AMSTERDAM AVE (Continued)**

**A100129167**

Fax Number: Not reported  
Modified By: NTFREEMA  
Date Last Modified: 1/28/2015

Tank Info:

Tank Number: 100  
Tank Id: 55830  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 08/01/1913  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 09/22/2014  
Register: True  
Modified By: NTFREEMA  
Last Modified: 01/28/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

**Q249**  
**WNW**  
**1/8-1/4**  
**0.138 mi.**  
**730 ft.**

**107 WEST APARTMENT CORPORATION**  
**245 WEST 107TH ST**  
**NEW YORK, NY 10025**  
**Site 7 of 7 in cluster Q**

**NY AST** **U004076310**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-097349  
Program Type: PBS  
UTM X: 587225.96362000005  
UTM Y: 4517264.6022899998  
Expiration Date: 12/14/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**108 ft.**

Affiliation Records:  
Site Id: 2794  
Affiliation Type: Facility Owner  
Company Name: 107 WEST APARTMENT CORPORATION  
Contact Type: COMPLIANCE MGR  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 245 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 370-9200  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**107 WEST APARTMENT CORPORATION (Continued)**

**U004076310**

Modified By: MSBAPTIS  
Date Last Modified: 1/9/2013  
  
Site Id: 2794  
Affiliation Type: Mail Contact  
Company Name: DOUGLAS ELLIMAN PROPERTY MANAGEMENT  
Contact Type: Not reported  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 675 THIRD AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 350-2846  
EMail: PATRICIA.PETTWAY-BROWN@ELLIMANPM.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 6/6/2013

Site Id: 2794  
Affiliation Type: On-Site Operator  
Company Name: 107 WEST APARTMENT CORPORATION  
Contact Type: Not reported  
Contact Name: RAYMOND FINUCANE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-8468  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 2794  
Affiliation Type: Emergency Contact  
Company Name: 107 WEST APARTMENT CORPORATION  
Contact Type: Not reported  
Contact Name: RAYMOND FINUCANE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-8468  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**107 WEST APARTMENT CORPORATION (Continued)**

**U004076310**

Tank Id: 5132  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

A02 - Tank Internal Protection - Rubber Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
K00 - Spill Prevention - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/1958  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/09/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

**L250**  
**South**  
**1/8-1/4**  
**0.139 mi.**  
**732 ft.**

**926 COLUMBUS AVENUE**  
**926 COLUMBUS AVE**  
**NEW YORK, NY 10019**  
**Site 25 of 25 in cluster L**

**NY AST** **A100292877**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-607973  
Program Type: PBS  
UTM X: 587463.18932  
UTM Y: 4516949.6678900002  
Expiration Date: 07/10/2012  
Site Type: Apartment Building/Office Building

**Actual:**  
**105 ft.**

Affiliation Records:

Site Id: 29825  
Affiliation Type: Mail Contact  
Company Name: PINNACLE AMSTERDAM, LLC.  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: PO BOX 1920  
Address2: Not reported  
City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**926 COLUMBUS AVENUE (Continued)**

**A100292877**

State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111 1005  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/10/2007

Site Id: 29825  
Affiliation Type: On-Site Operator  
Company Name: 926 COLUMBUS AVENUE  
Contact Type: Not reported  
Contact Name: JACK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5559  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/10/2007

Site Id: 29825  
Affiliation Type: Emergency Contact  
Company Name: PINNACLE AMSTERDAM, LLC.  
Contact Type: Not reported  
Contact Name: AIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/10/2007

Site Id: 29825  
Affiliation Type: Facility Owner  
Company Name: PINNACLE AMSTERDAM, LLC.  
Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: PO BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**926 COLUMBUS AVENUE (Continued)**

**A100292877**

Modified By: KAKYER  
Date Last Modified: 7/10/2007

Tank Info:

Tank Number: 100  
Tank Id: 64054  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1992  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 01/01/1992  
Register: True  
Modified By: KAKYER  
Last Modified: 07/10/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**N251**  
**North**  
**1/8-1/4**  
**0.139 mi.**  
**736 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**521 WEST 111TH STREET**  
**NEW YORK, NY 10025**

**NY AST U003394432**  
**NY HIST AST N/A**

**Site 19 of 22 in cluster N**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453501  
Program Type: PBS  
UTM X: 587424.31793999998  
UTM Y: 4517521.40739999999  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:  
Site Id: 19862  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394432**

Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19862  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19862  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19862  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394432**

Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35671  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/05/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453501  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 521 WEST 111TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394432**

Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394432**

Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**N252**  
**North**  
**1/8-1/4**  
**0.140 mi.**  
**739 ft.**

**B M I REALTY CO**  
**526 WEST 111TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003387683**  
**N/A**

**Site 20 of 22 in cluster N**

**Relative:**  
**Higher**

AST:

**Actual:**  
**111 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-198730  
Program Type: PBS  
UTM X: 586014.59820000001  
UTM Y: 4513277.07799999997  
Expiration Date: 07/10/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 6605  
Affiliation Type: Facility Owner  
Company Name: B M I REALTY, SUITE 1018  
Contact Type: MANAGING AGENT  
Contact Name: LAWRENCE PERLE  
Address1: 250 WEST 57TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 582-3038  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 5/14/2008

Site Id: 6605  
Affiliation Type: Mail Contact  
Company Name: B M I REALTY CO.  
Contact Type: Not reported  
Contact Name: LAWRENCE PERLE  
Address1: 250 WEST 57TH STREET  
Address2: SUITE 1018  
City: NEW YORK  
State: NY  
Zip Code: 10107  
Country Code: 001  
Phone: (212) 582-3038  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6605

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B M I REALTY CO (Continued)**

**U003387683**

Affiliation Type: On-Site Operator  
Company Name: B M I REALTY CO  
Contact Type: Not reported  
Contact Name: TADEUEZ CHMIEL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4595  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6605  
Affiliation Type: Emergency Contact  
Company Name: B M I REALTY, SUITE 1018  
Contact Type: Not reported  
Contact Name: LAWRENCE PERLE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 582-3038  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 5/14/2008

Tank Info:

Tank Number: 001  
Tank Id: 12403  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B M I REALTY CO (Continued)**

**U003387683**

Pipe Model: Not reported  
Install Date: 12/01/1955  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: kakyer  
Last Modified: 05/14/2008  
Material Name: #6 Fuel Oil (On-Site Consumption)

**U253  
SSE  
1/8-1/4  
0.140 mi.  
739 ft.**

**RSP REALTY LLC  
65 W 106 STREET  
NY, NY 10025**

**NY AST U003388323  
NY HIST AST N/A**

**Site 1 of 7 in cluster U**

**Relative:  
Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-269972  
Program Type: PBS  
UTM X: 587593.91685000004  
UTM Y: 4516970.858  
Expiration Date: 07/10/2017  
Site Type: Apartment Building/Office Building

**Actual:  
83 ft.**

Affiliation Records:

Site Id: 11323  
Affiliation Type: Facility Owner  
Company Name: RSP REALTY LLC  
Contact Type: MANAGING AGENT  
Contact Name: THOMAS ROHLMAN  
Address1: 78 MANATTAN AVE C/O PINE MNGMT, INC  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/23/2007

Site Id: 11323  
Affiliation Type: Mail Contact  
Company Name: RSP REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: C/O PINE MNGMT  
Address2: 78 MAHATTAN AVE  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RSP REALTY LLC (Continued)**

**U003388323**

Phone: (212) 316-2114  
EMail: TOM@PINEMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/23/2007

Site Id: 11323  
Affiliation Type: On-Site Operator  
Company Name: RSP REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/30/2012

Site Id: 11323  
Affiliation Type: Emergency Contact  
Company Name: RSP REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/30/2012

Tank Info:

Tank Number: 001  
Tank Id: 13763  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RSP REALTY LLC (Continued)**

**U003388323**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1965  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 05/30/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-269972  
SWIS Code: 6201  
Operator: WILLIAM BONEPARTE  
Facility Phone: (212) 316-2114  
Facility Addr2: 65 W 106 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: HAROLD PINE  
Emergency Tel: (212) 316-2114  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: RSP REALTY LLC  
Owner Address: 78 MANATTAN AVE C/O PINE MNGMT, INC  
Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 316-2114  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: RSP REALTY LLC  
Mailing Address: 78 MANATTAN AVE C/O PINE MNGMT  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Telephone: (212) 316-2114  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 07/07/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: No Missing Data

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RSP REALTY LLC (Continued)**

**U003388323**

Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**S254**  
**SE**  
**1/8-1/4**  
**0.143 mi.**  
**753 ft.**

**147 MANHATTAN AVE**  
**NEW YORK, NY 10025**

**Site 5 of 7 in cluster S**

**EDR US Hist Cleaners 1014994859**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: HELENS DRY CLEANING  
Year: 2010  
Address: 147 MANHATTAN AVE

**Actual:**  
**74 ft.**

Name: HELENS DRY CLEANING  
Year: 2011  
Address: 147 MANHATTAN AVE

Name: HELENS DRY CLEANING  
Year: 2012  
Address: 147 MANHATTAN AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

V255  
South  
1/8-1/4  
0.143 mi.  
757 ft.

CON EDISON SERVICE BOX: 30742  
927 COLUMBUS AVE FRONT OF  
NEW YORK, NY 10025

RCRA NonGen / NLR  
NY MANIFEST  
1016972093  
NYP004458535

Site 1 of 13 in cluster V

Relative:  
Higher

RCRA NonGen / NLR:

Date form received by agency: 04/05/2014

Facility name: CON EDISON SERVICE BOX: 30742

Facility address: 927 COLUMBUS AVE FRONT OF

NEW YORK, NY 10025

EPA ID: NYP004458535

Mailing address: IRVING PL, 15TH FL NE

NEW YORK, NY 10003

Contact: THOMAS TEELING

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
106 ft.

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 03/05/2014

Site name: CON EDISON SERVICE BOX: 30742

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004458535

Country: USA

Location Address 1: 927 COLUMBUS AVE

Location Address 2: SB30742

Location City: NEW YORK

Location State: NY

Location Zip Code: 10025

Location Zip Code 4: Not reported

Mailing Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 30742 (Continued)**

**1016972093**

Name: CON EDISON  
Contact: CON EDISION  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 03/05/2014  
Trans1 Recv Date: 03/05/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 03/07/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004458535  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 011697543JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

V256  
South  
1/8-1/4  
0.143 mi.  
757 ft.

**927 COLUMBUS AVENUE HDFC**  
**927 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**  
**Site 2 of 13 in cluster V**

**NY AST A100183551**  
**N/A**

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606988  
Program Type: PBS

Actual:  
106 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**927 COLUMBUS AVENUE HDFC (Continued)**

**A100183551**

UTM X: 587473.0628899994  
UTM Y: 4516942.3460600004  
Expiration Date: 09/24/2016  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 28843  
Affiliation Type: Facility Owner  
Company Name: 927 COLUMBUS AVENUE HDFC  
Contact Type: MAINTENCE SUPT  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28843  
Affiliation Type: Mail Contact  
Company Name: MANHATTAN VALLEY MGMT. CO.  
Contact Type: Not reported  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: GLAVOILE@MVPC.ORG  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28843  
Affiliation Type: On-Site Operator  
Company Name: 927 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: MANHATTAN VALLEY MGMT. CO.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 7/24/2013

Site Id: 28843

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**927 COLUMBUS AVENUE HDFC (Continued)**

**A100183551**

Affiliation Type: Emergency Contact  
Company Name: 927 COLUMBUS AVENUE HDFC  
Contact Type: Not reported  
Contact Name: NAOMI PENA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 62136  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
I01 - Overfill - Float Vent Valve

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/02/1920  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 07/24/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W257**  
**North**  
**1/8-1/4**  
**0.143 mi.**  
**757 ft.**

**CATHEDRAL OF SAINT JOHN THE DIVINE - NORTH DEVELOPMENT SITE**  
**1047 AMSTERDAM AVE**  
**NEW YORK, NY 10025**  
**Site 1 of 9 in cluster W**

**RCRA-SQG** **1007990532**  
**NY MANIFEST** **NYR000130476**  
**NJ MANIFEST**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 03/05/2014  
Facility name: CATHEDRAL OF SAINT JOHN THE DIVINE - NORTH DEVELOPMENT SITE  
Facility address: 1047 AMSTERDAM AVE  
BLOCK 1865 LOT 20  
NEW YORK, NY 10025  
EPA ID: NYR000130476  
Mailing address: AMSTERDAM AVE  
BLOCK 1865 LOT 20  
NEW YORK, NY 10025  
Contact: STEVEN HIRSCHBERG  
Contact address: W 59TH ST  
NEW YORK, NY 10019  
Contact country: US  
Contact telephone: (212) 896-5565  
Contact email: SHIRSCHBERG@BRODSKYORG.COM  
EPA Region: 02  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Actual:**  
**116 ft.**

Owner/Operator Summary:

Owner/operator name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Owner/operator address: AMSTERDAM AVE  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 316-7526  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: 01/20/2005  
Owner/Op end date: Not reported

Owner/operator name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Owner/operator address: AMSTERDAM AVE  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 316-7526  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: 01/20/2005  
Owner/Op end date: Not reported

Owner/operator name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Owner/operator address: AMSTERDAM AVE  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 932-7358  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/01/1891

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL OF SAINT JOHN THE DIVINE - NORTH DEVELOPMENT SITE (Continued)**

**1007990532**

Owner/Op end date: Not reported  
Owner/operator name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/01/1891  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: B007  
. Waste name: B007

Historical Generators:

Date form received by agency: 01/01/2007  
Site name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006  
Site name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/02/2005  
Site name: CATHEDRAL CHURCH OF ST JOHN THE DIVINE  
Classification: Large Quantity Generator

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYR000130476  
Country: USA  
Location Address 1: 1047 AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL OF SAINT JOHN THE DIVINE - NORTH DEVELOPMENT SITE (Continued)**

**1007990532**

Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CATHEDRAL CHURCH OF ST JOHN DIVINE  
Contact: N/S  
Address: 1047 AMSTERDAM AVE  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-316-7526

Manifest:

Document ID: NJA5226746  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 02/04/2005  
Trans1 Recv Date: 02/04/2005  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/04/2005  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000130476  
Trans1 EPA ID: S8424  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 01000  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2005

NJ MANIFEST:

EPA Id: NYR000130476  
Mail Address: 1047 AMSTERDAM AVENUE  
Mail City/State/Zip: NEW YORK 10025  
Facility Phone: 2123167526  
Emergency Phone: Not reported  
Contact: Not reported  
Comments: Not reported  
SIC Code: Not reported  
County: 00  
Municipal: 00  
Previous EPA Id: Not reported  
Gen Flag: X  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: NJA5226746  
EPA ID: NYR000130476

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CATHEDRAL OF SAINT JOHN THE DIVINE - NORTH DEVELOPMENT SITE (Continued)**

**1007990532**

Date Shipped: 02/04/2005  
 TSDF EPA ID: NJD991291105  
 Transporter EPA ID: NYD046765574  
 Transporter 2 EPA ID: Not reported  
 Transporter 3 EPA ID: Not reported  
 Transporter 4 EPA ID: Not reported  
 Transporter 5 EPA ID: Not reported  
 Transporter 6 EPA ID: Not reported  
 Transporter 7 EPA ID: Not reported  
 Transporter 8 EPA ID: Not reported  
 Transporter 10 EPA ID: Not reported  
 Date Trans1 Transported Waste: 02/04/2005  
 Date Trans2 Transported Waste: Not reported  
 Date Trans3 Transported Waste: Not reported  
 Date Trans4 Transported Waste: Not reported  
 Date Trans5 Transported Waste: Not reported  
 Date Trans6 Transported Waste: Not reported  
 Date Trans7 Transported Waste: Not reported  
 Date Trans8 Transported Waste: Not reported  
 Date Trans9 Transported Waste: Not reported  
 Date Trans10 Transported Waste: Not reported  
 Date TSDF Received Waste: 02/04/2005  
 TSDF EPA Facility Name: Not reported  
 QTY Units: Not reported  
 Transporter SEQ ID: Not reported  
 Transporter-1 Date: Not reported  
 Waste SEQ ID: Not reported  
 Waste Type Code 2: Not reported  
 Waste Type Code 3: Not reported  
 Waste Type Code 4: Not reported  
 Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: 03180535  
 Was Load Rejected: NEW YORK 10025  
 Reason Load Was Rejected: Not reported

**S258**  
**SE**  
**1/8-1/4**  
**0.144 mi.**  
**760 ft.**

**3-7 WEST 108TH REALTY CORP**  
**7 WEST 108TH STREET**  
**NEW YORK, NY 10024**  
**Site 6 of 7 in cluster S**

**NY AST U003386701**  
**N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Inactive  
 Facility Id: 2-244953  
 Program Type: PBS  
 UTM X: 587819.35838999995  
 UTM Y: 4517035.0381899998  
 Expiration Date: 07/07/1997  
 Site Type: Apartment Building/Office Building

**Actual:**  
**69 ft.**

Affiliation Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3-7 WEST 108TH REALTY CORP (Continued)**

**U003386701**

Site Id: 9509  
Affiliation Type: Facility Owner  
Company Name: 3-7 WEST 108TH REALTY CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 95 DELANCEY STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 254-4374  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 9509  
Affiliation Type: Mail Contact  
Company Name: 3-7 WEST 108TH REALTY CORP, % MT. WILSON PROPERTIE  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 95 DELANCEY STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 254-4374  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 9509  
Affiliation Type: On-Site Operator  
Company Name: 3-7 WEST 108TH REALTY CORP  
Contact Type: Not reported  
Contact Name: BRUCE ALEXANDER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 254-4374  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 9509  
Affiliation Type: Emergency Contact  
Company Name: 3-7 WEST 108TH REALTY CORP  
Contact Type: Not reported  
Contact Name: BRUCE ALEXANDER  
Address1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3-7 WEST 108TH REALTY CORP (Continued)**

**U003386701**

Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 254-4374  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10526  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
H05 - Tank Leak Detection - In-Tank System (ATG)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: 01/01/1955  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 01/04/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**N259**  
**North**  
**1/8-1/4**  
**0.144 mi.**  
**761 ft.**

**528 WEST OWNERS CORP**  
**528 WEST 111TH ST**  
**NEW YORK, NY 10025**  
**Site 21 of 22 in cluster N**

**NY AST** **U003386855**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-194514  
Program Type: PBS  
UTM X: 587401.04657000001

**Actual:**  
**112 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**528 WEST OWNERS CORP (Continued)**

**U003386855**

UTM Y: 4517520.2440900002  
Expiration Date: 06/08/2015  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 6235  
Affiliation Type: Facility Owner  
Company Name: 528 WEST OWNERS CORP C/O ROBT. E. HILL INC.  
Contact Type: AGENT  
Contact Name: STEWART HACKETT  
Address1: 279 W. 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 884-2200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/4/2005

Site Id: 6235  
Affiliation Type: Mail Contact  
Company Name: ROBERT E. HILL, INC.  
Contact Type: Not reported  
Contact Name: STEWART HACKETT  
Address1: 279 WEST 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 884-2200  
EMail: SHACKETT@ROBERTEHILL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/12/2012

Site Id: 6235  
Affiliation Type: On-Site Operator  
Company Name: 528 WEST OWNERS CORP  
Contact Type: Not reported  
Contact Name: MURAT REXHAJ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 665-9144  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6235  
Affiliation Type: Emergency Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**528 WEST OWNERS CORP (Continued)**

**U003386855**

Company Name: 528 WEST OWNERS CORP C/O ROBT. E. HILL INC.  
Contact Type: Not reported  
Contact Name: STEWART HACKETT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 884-2200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10797  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)  
L00 - Piping Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/10/1956  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/12/2010  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-194514  
SWIS Code: 6201  
Operator: MURAT REXHAJ  
Facility Phone: (212) 665-9144  
Facility Addr2: 528 WEST 111TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**528 WEST OWNERS CORP (Continued)**

**U003386855**

Facility Type: APARTMENT BUILDING  
Emergency: STEWART HACKETT  
Emergency Tel: (212) 884-2200  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 528 WEST OWNERS CORP C/O ROBT. E. HILL INC.  
Owner Address: 279 W. 231ST STREET  
Owner City,St,Zip: BRONX, NY 10463  
Federal ID: Not reported  
Owner Tel: (718) 884-2200  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: STEWART HACKETT  
Mailing Name: REOBERT E. HILL, INC.  
Mailing Address: 279 WEST 231ST STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BRONX, NY 10463  
Mailing Telephone: (718) 884-2200  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 07/14/2000  
Expiration: 06/08/2005  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

528 WEST OWNERS CORP (Continued)

U003386855

Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

U260  
SSE  
1/8-1/4  
0.145 mi.  
768 ft.

61- W 106 ST REALTY LLC  
61-63 WEST 106TH STREET  
NEW YORK, NY 10025

NY AST A100173425  
N/A

Site 2 of 7 in cluster U

Relative:  
Lower

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-341835  
Program Type: PBS  
UTM X: 587578.29663999996  
UTM Y: 4516943.1254200004  
Expiration Date: 12/21/2017  
Site Type: Apartment Building/Office Building

Actual:  
81 ft.

Affiliation Records:

Site Id: 16564  
Affiliation Type: Mail Contact  
Company Name: BRUSCO REALTY MANAGEMENT LLC  
Contact Type: Not reported  
Contact Name: ROBERT BARANOFF  
Address1: 766 AMSTERDAM AVE.  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070  
EMail: BRUSCOM@YAHOO.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/16/2014

Site Id: 16564  
Affiliation Type: On-Site Operator  
Company Name: 61- W 106 ST REALTY LLC  
Contact Type: Not reported  
Contact Name: JUSTO NUNEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 422-3071

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**61- W 106 ST REALTY LLC (Continued)**

**A100173425**

EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/16/2014

Site Id: 16564  
Affiliation Type: Emergency Contact  
Company Name: 61 W 106ST REALTY LLC  
Contact Type: Not reported  
Contact Name: ROBERT BARGNOFF  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 663-7070  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/16/2014

Site Id: 16564  
Affiliation Type: Facility Owner  
Company Name: 61 W 106ST REALTY LLC  
Contact Type: PROPERTY MANAGER  
Contact Name: ROBERT BARANOFF  
Address1: 766 AMSTERDAM AVE.  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/16/2014

**Tank Info:**

Tank Number: 001  
Tank Id: 31813  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
B00 - Tank External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

61- W 106 ST REALTY LLC (Continued)

A100173425

C01 - Pipe Location - Aboveground  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/2003  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 06/16/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

S261  
ESE  
1/8-1/4  
0.145 mi.  
768 ft.

3-5 WEST 108 ST LLC  
3-5 & 7-9 WEST 108TH ST.  
NEW YORK, NY 10025  
Site 7 of 7 in cluster S

NY AST U003386702  
N/A

Relative:  
Lower

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-244961  
Program Type: PBS  
UTM X: 587832.18244  
UTM Y: 4517027.9740599999  
Expiration Date: 09/26/2015  
Site Type: Apartment Building/Office Building

Actual:  
66 ft.

Affiliation Records:

Site Id: 9510  
Affiliation Type: Mail Contact  
Company Name: PINNACLE GROUP  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/27/2013

Site Id: 9510  
Affiliation Type: On-Site Operator  
Company Name: 3-5 WEST 108 ST LLC  
Contact Type: Not reported  
Contact Name: AMEL MUMINOVIC  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3-5 WEST 108 ST LLC (Continued)**

**U003386702**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 529-5547  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/16/2010

Site Id: 9510  
Affiliation Type: Emergency Contact  
Company Name: 3-5 WEST 108 ST LLC  
Contact Type: Not reported  
Contact Name: AMEL MUMINOVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 529-5547  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/16/2010

Site Id: 9510  
Affiliation Type: Facility Owner  
Company Name: 3-5 WEST 108 ST LLC  
Contact Type: AGENT  
Contact Name: ABIDIN RADONCIC  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/16/2010

Tank Info:

Tank Number: 1  
Tank Id: 10527  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**3-5 WEST 108 ST LLC (Continued)**

**U003386702**

I05 - Overfill - Vent Whistle  
 J02 - Dispenser - Suction Dispenser  
 L09 - Piping Leak Detection - Exempt Suction Piping  
 C01 - Pipe Location - Aboveground  
 E00 - Piping Secondary Containment - None  
 F01 - Pipe External Protection - Painted/Asphalt Coating  
 H00 - Tank Leak Detection - None  
 K00 - Spill Prevention - None

Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 01/01/1955  
 Capacity Gallons: 3000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: MSBAPTIS  
 Last Modified: 07/16/2010  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**N262**  
**North**  
**1/8-1/4**  
**0.146 mi.**  
**769 ft.**

**TRUSTEES OF COLUMBIA UNIVERSITY**  
**529 WEST 111TH STREET**  
**NEW YORK, NY 10025**  
**Site 22 of 22 in cluster N**

**NY AST U003396237**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-601609  
 Program Type: PBS  
 UTM X: 587405.63794000004  
 UTM Y: 4517531.5115900002  
 Expiration Date: 10/15/2018  
 Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:  
 Site Id: 23571  
 Affiliation Type: Facility Owner  
 Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10027  
 Country Code: 001  
 Phone: (212) 854-9300  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR  
 Date Last Modified: 3/2/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY (Continued)**

**U003396237**

Site Id: 23571  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK,  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23571  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23571  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2275  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/28/2008

Tank Info:

Tank Number: 001  
Tank Id: 47133  
Material Code: 0000  
Common Name of Substance: Empty

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIVERSITY (Continued)

U003396237

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
B05 - Tank External Protection - Jacketed  
I00 - Overfill - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/05/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-601609  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 529 WEST 111TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIVERSITY.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIVERSITY.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY (Continued)**

**U003396237**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
 Certification Date: 10/29/1998  
 Expiration: 10/15/2003  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 5000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: No Missing Data  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 5000  
 Product Stored: EMPTY  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 5  
 Pipe Location: None  
 Pipe Type: NONE  
 Pipe Internal: None  
 Pipe External: 0  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 00  
 Dispenser Method: 0  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**X263  
 NNW  
 1/8-1/4  
 0.147 mi.  
 774 ft.**

**560 W 110TH ST  
 NEW YORK, NY 10025  
 Site 1 of 2 in cluster X**

**EDR US Hist Cleaners 1015075476  
 N/A**

**Relative:  
 Higher**

EDR Historical Cleaners:  
 Name: PROMPT CLEANERS STORE  
 Year: 1999

**Actual:  
 111 ft.**

Address: 560 W 110TH ST  
 Name: PROMPT CLEANERS STORE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015075476

Year: 2000  
Address: 560 W 110TH ST

Name: PROMPT CLEANERS  
Year: 2001  
Address: 560 W 110TH ST

V264  
South  
1/8-1/4  
0.148 mi.  
783 ft.

922 COLUMBUS AVE  
NEW YORK, NY 10025

Site 3 of 13 in cluster V

EDR US Hist Cleaners 1015106390  
N/A

Relative:  
Higher

EDR Historical Cleaners:  
Name: WASH WELL COIN LAUNDRY  
Year: 2010

Actual:  
108 ft.

Address: 922 COLUMBUS AVE

V265  
South  
1/8-1/4  
0.149 mi.  
785 ft.

M BROTHERS INC.  
925 COLUMBUS AVENUE  
NEW YORK, NY 10025

Site 4 of 13 in cluster V

NY AST U003385009  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-110957  
Program Type: PBS  
UTM X: 587504.18082000001  
UTM Y: 4516946.36993  
Expiration Date: 05/07/2017  
Site Type: Apartment Building/Office Building

Actual:  
108 ft.

Affiliation Records:

Site Id: 3426  
Affiliation Type: Facility Owner  
Company Name: M BROTHERS INC.  
Contact Type: MANAGER  
Contact Name: GEORGE MELENDEZ  
Address1: 925 COLUMBUS AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-2706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 2/5/2007

Site Id: 3426  
Affiliation Type: Mail Contact  
Company Name: M BROTHERS INC.  
Contact Type: MANAGER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M BROTHERS INC. (Continued)**

**U003385009**

Contact Name: GEORGE MELENDEZ  
Address1: 925 COLUMBUS AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-2706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 2/5/2007

Site Id: 3426  
Affiliation Type: On-Site Operator  
Company Name: M BROTHERS INC.  
Contact Type: Not reported  
Contact Name: G. MELENDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-2706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 3426  
Affiliation Type: Emergency Contact  
Company Name: M BROTHERS INC.  
Contact Type: Not reported  
Contact Name: G. MELENDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-2706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 4876  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M BROTHERS INC. (Continued)**

**U003385009**

D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
E02 - Piping Secondary Containment - Vault (with Access)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1920  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DXLIVING  
Last Modified: 02/05/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-110957  
SWIS Code: 6201  
Operator: G. MELENDEZ  
Facility Phone: (212) 222-2706  
Facility Addr2: 925 COLUMBUS AVE  
Facility Type: APARTMENT BUILDING  
Emergency: G. MELENDEZ  
Emergency Tel: (212) 222-2706  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: M BROTHERS INC.  
Owner Address: 925 COLUMBUS AVENUE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 222-2706  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: GEORGE MELENDEZ  
Mailing Name: M BROTHERS INC.  
Mailing Address: 925 COLUMBUS AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 222-2706  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**M BROTHERS INC. (Continued)**

**U003385009**

Certification Date: 05/27/1997  
 Expiration: 05/07/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 1500  
 FAMS: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 1500  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

Y266  
 East  
 1/8-1/4  
 0.149 mi.  
 788 ft.

**250 MANHATTAN AVENUE**  
**250 MANHATTAN AVENUE**  
**NEW YORK, NY 10026**

**Site 1 of 3 in cluster Y**

**NY AST A100183349**  
**N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-606770  
 Program Type: PBS  
 UTM X: 587779.81262999994  
 UTM Y: 4517228.5362400003  
 Expiration Date: 09/22/2015

**Actual:**  
**51 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**250 MANHATTAN AVENUE (Continued)**

**A100183349**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 28627  
Affiliation Type: Mail Contact  
Company Name: MAGIC CONTRACTORS LLC  
Contact Type: Not reported  
Contact Name: MARIBEL MINASSIAN  
Address1: 50-39 213 STREET  
Address2: Not reported  
City: OAKLAND GARDENS  
State: NY  
Zip Code: 11364  
Country Code: 001  
Phone: (718) 225-2515  
EMail: MAGICCONTRACTORSCORP@GMAIL.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/21/2010

Site Id: 28627  
Affiliation Type: On-Site Operator  
Company Name: 250 MANHATTAN AVENUE  
Contact Type: Not reported  
Contact Name: MICHAEL JOSEPH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 339-6366  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 9/10/2007

Site Id: 28627  
Affiliation Type: Emergency Contact  
Company Name: 250 MA LLC  
Contact Type: Not reported  
Contact Name: ARSHAK DERARTINAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 239-8578  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/21/2010

Site Id: 28627  
Affiliation Type: Facility Owner  
Company Name: 250 MA LLC  
Contact Type: OWNER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**250 MANHATTAN AVENUE (Continued)**

**A100183349**

Contact Name: MARIBEL MINASSIAN  
Address1: 411 WEST 24TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10011  
Country Code: 001  
Phone: (646) 597-8394  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/21/2010

Tank Info:

Tank Number: 001  
Tank Id: 61862  
Material Code: 0009  
Common Name of Substance: Gasoline

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1986  
Capacity Gallons: 1500  
Tightness Test Method: 21  
Date Test: 07/30/2007  
Next Test Date: Not reported  
Date Tank Closed: 10/14/2010  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 10/21/2010  
Material Name: Gasoline

**U267**  
**SSE**  
**1/8-1/4**  
**0.151 mi.**  
**795 ft.**

**MARC REALTY CO**  
**56 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 3 of 7 in cluster U**

**NY AST U004047501**  
**N/A**

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-269948  
Program Type: PBS

**Actual:**  
**82 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARC REALTY CO (Continued)**

**U004047501**

UTM X: 587617.51202000002  
UTM Y: 4516944.8253199998  
Expiration Date: 07/10/1992  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 11320  
Affiliation Type: Facility Owner  
Company Name: MARC REALTY CO % PINE MGMT  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 78 MANHATTAN AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/21/2014

Site Id: 11320  
Affiliation Type: Mail Contact  
Company Name: MARC REALTY CO  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: % PINE MANAGEMENT  
Address2: 78 MANHATTAN AVENUE  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-2114  
EMail: TOMCPINEMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/21/2014

Site Id: 11320  
Affiliation Type: On-Site Operator  
Company Name: MARC REALTY CO  
Contact Type: Not reported  
Contact Name: WILLIAM BONEPARTE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11320

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARC REALTY CO (Continued)**

**U004047501**

Affiliation Type: Emergency Contact  
Company Name: MARC REALTY CO  
Contact Type: Not reported  
Contact Name: HAROLD PINE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 13760  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 03/13/2014  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 03/21/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**Z268**  
**NNW**  
**1/8-1/4**  
**0.151 mi.**  
**798 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**535 WEST 111TH STREET**  
**NEW YORK, NY 10025**  
  
**Site 1 of 8 in cluster Z**

**NY AST**    **U003394468**  
**NY HIST AST**    **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453919  
Program Type: PBS  
UTM X: 587391.62896999996  
UTM Y: 4517539.0065099997  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:  
Site Id: 19898  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19898  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19898  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394468**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19898  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35721  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/01/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394468**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453919  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 535 WEST 111TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394468**

Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**T269**  
**West**  
**1/8-1/4**  
**0.151 mi.**  
**798 ft.**

**RESIDENTIAL APARTMENT BUILDING**  
**238 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 2 of 4 in cluster T**

**NY AST U003393267**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

**AST:**

**Actual:**  
**106 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-326429  
Program Type: PBS  
UTM X: 587168.45481000002  
UTM Y: 4517183.21117  
Expiration Date: 10/23/2017  
Site Type: Apartment Building/Office Building  
  
Affiliation Records:  
Site Id: 15209  
Affiliation Type: Facility Owner  
Company Name: 238 WEST 106TH STREET H D F C  
Contact Type: MANAGING AGENT  
Contact Name: RALPH DAVIS  
Address1: 238 WEST 106TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 307-0500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: LSZINOMA  
Date Last Modified: 2/9/2015

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENTIAL APARTMENT BUILDING (Continued)**

**U003393267**

Site Id: 15209  
Affiliation Type: Mail Contact  
Company Name: 238 WEST 106TH STREET H D F  
Contact Type: Not reported  
Contact Name: C/O ABC REALTY  
Address1: 152 WEST 57TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 307-0500  
EMail: RDAVISCABCMGMT.NET  
Fax Number: Not reported  
Modified By: LSZINOMA  
Date Last Modified: 2/9/2015

Site Id: 15209  
Affiliation Type: On-Site Operator  
Company Name: RESIDENTIAL APARTMENT BUILDING  
Contact Type: Not reported  
Contact Name: JUAN PERERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 647-3922  
EMail: Not reported  
Fax Number: Not reported  
Modified By: LSZINOMA  
Date Last Modified: 2/9/2015

Site Id: 15209  
Affiliation Type: Emergency Contact  
Company Name: 238 WEST 106TH STREET H D F C  
Contact Type: Not reported  
Contact Name: RALPH DAVIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 318-9284  
EMail: Not reported  
Fax Number: Not reported  
Modified By: LSZINOMA  
Date Last Modified: 2/9/2015

**Tank Info:**

Tank Number: 330  
Tank Id: 26553  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENTIAL APARTMENT BUILDING (Continued)**

**U003393267**

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E12 - Piping Secondary Containment - Double-Wall  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/10/1985  
Capacity Gallons: 5000  
Tightness Test Method: 21  
Date Test: 09/18/2013  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: LSZINOMA  
Last Modified: 02/09/2015  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-326429  
SWIS Code: 6201  
Operator: JUAN PERERA  
Facility Phone: (212) 864-4009  
Facility Addr2: 238 WEST 106TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: NED ESHAGHOFF  
Emergency Tel: (718) 263-6999  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 238 WEST 106TH STREET H D F  
Owner Address: 238 WEST 106TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 864-4009  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: C/O NEDCO REALTY  
Mailing Name: 238 WEST 106TH STREET H D F  
Mailing Address: 71-55 AUSTIN STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FOREST HILLS, NY 11375  
Mailing Telephone: (718) 263-6999  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RESIDENTIAL APARTMENT BUILDING (Continued)**

**U003393267**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
 Certification Date: 09/19/1997  
 Expiration: 10/23/2002  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 5000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: No Missing Data  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 330  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 5000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 00  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: 00  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**Z270**  
**NNW**  
**1/8-1/4**  
**0.151 mi.**  
**799 ft.**

**536 WEST 111TH STREET**  
**536 WEST 111TH STREET**  
**NEW YORK, NY 10025**  
**Site 2 of 8 in cluster Z**

**NY AST U004081731**  
**N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-242276  
 Program Type: PBS

**Actual:**  
**112 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**536 WEST 111TH STREET (Continued)**

**U004081731**

UTM X: 587382.36791999999  
UTM Y: 4517530.2373200003  
Expiration Date: 08/26/2017  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 9271  
Affiliation Type: Facility Owner  
Company Name: 536 OWNERS LTD  
Contact Type: PROPERTY MANAGER  
Contact Name: ANTHONY REINGLAS  
Address1: 1536 THIRD AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10028  
Country Code: 001  
Phone: (212) 772-7550  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/4/2012

Site Id: 9271  
Affiliation Type: Mail Contact  
Company Name: 536 OWNERS LTD  
Contact Type: Not reported  
Contact Name: ANTHONY REINGLAS  
Address1: C/O BRADFORD SWETT REAL ESTATE  
Address2: 1536 THIRD AVENUE  
City: NEW YORK  
State: NY  
Zip Code: 10028  
Country Code: 001  
Phone: (212) 772-7550  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 9/16/2008

Site Id: 9271  
Affiliation Type: On-Site Operator  
Company Name: 536 WEST 111TH STREET  
Contact Type: Not reported  
Contact Name: BRADFORD SWETT REAL ESTATE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 772-7550  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 9271

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**536 WEST 111TH STREET (Continued)**

**U004081731**

Affiliation Type: Emergency Contact  
Company Name: 536 OWNERS LTD  
Contact Type: Not reported  
Contact Name: CASTLE OIL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 579-3500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 19751  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/28/1993  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 12/04/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U271**      **MANHATTAN VENTURA LLC**  
**SSE**      **53-57 W 106 STREET**  
**1/8-1/4**    **NEW YORK, NY 10025**  
**0.154 mi.**  
**814 ft.**    **Site 4 of 7 in cluster U**

**NY AST**    **U003387921**  
**NY HIST AST**    **N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-314641  
Program Type: PBS  
UTM X: 587596.59571999998  
UTM Y: 4516934.28895  
Expiration Date: 03/31/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**82 ft.**

Affiliation Records:

Site Id: 14352  
Affiliation Type: Facility Owner  
Company Name: MANHATTAN VENTURA LLC  
Contact Type: DIR OF OPERATIONS  
Contact Name: STEVEN LAVERLE  
Address1: 149-45 NORTHERN BLVD.  
Address2: Not reported  
City: FLUSHING  
State: NY  
Zip Code: 11354  
Country Code: 001  
Phone: (718) 463-0470  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 1/29/2008

Site Id: 14352  
Affiliation Type: Mail Contact  
Company Name: VENTURA LAND CORPORATION  
Contact Type: Not reported  
Contact Name: JOSEPH SBIROLI  
Address1: 149-45 NORTHERN BOULEVARD  
Address2: SUITE 6V  
City: FLUSHING  
State: NY  
Zip Code: 11354  
Country Code: 001  
Phone: (718) 463-0470  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14352  
Affiliation Type: On-Site Operator  
Company Name: MANHATTAN VENTURA LLC  
Contact Type: Not reported  
Contact Name: BENNY NUNEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN VENTURA LLC (Continued)**

**U003387921**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2148  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 14352  
Affiliation Type: Emergency Contact  
Company Name: MANHATTAN VENTURA LLC  
Contact Type: Not reported  
Contact Name: JOSEPH PASTORE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (516) 603-2787  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 12811  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/01/2004  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN VENTURA LLC (Continued)**

**U003387921**

Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 03/14/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-314641  
SWIS Code: 6201  
Operator: EDUARDO JULCA  
Facility Phone: (212) 864-3606  
Facility Addr2: 53 W 106 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: STEVEN LAVELLE  
Emergency Tel: (516) 594-4315  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: MANHATTAN VENTURA LLC  
Owner Address: 149045 NORTHERN BLVD.  
Owner City,St,Zip: FLUSHING, NY 11354  
Federal ID: Not reported  
Owner Tel: (718) 463-0470  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: JOSEPH SBIROLI  
Mailing Name: VENTURA LAND CORPORATION  
Mailing Address: 149-45 NORTHERN BLVD.  
Mailing Address 2: SUITE 1-4  
Mailing City,St,Zip: FLUSHING, NY 11354  
Mailing Telephone: (718) 463-0470  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 04/02/1998  
Expiration: 03/31/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN VENTURA LLC (Continued)**

**U003387921**

Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Aboveground  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Not reported  
Leak Detection: 9  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AA272**  
**SSW**  
**1/8-1/4**  
**0.155 mi.**  
**820 ft.**

**157-161 WEST 105TH ST. HDFC**  
**157-161 WEST 105TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100183222**  
**N/A**

**Site 1 of 6 in cluster AA**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606621  
Program Type: PBS  
UTM X: 587313.19464999996  
UTM Y: 4516991.19496  
Expiration Date: 08/06/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**108 ft.**

**Affiliation Records:**

Site Id: 28480  
Affiliation Type: Facility Owner  
Company Name: 157-161 WEST 105TH ST. HDFC  
Contact Type: MANAGING AGENT  
Contact Name: JOSEPH L. BAVARO  
Address1: 514 W 169TH ST.  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (914) 207-1744  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/24/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

157-161 WEST 105TH ST. HDFC (Continued)

A100183222

Site Id: 28480  
Affiliation Type: Mail Contact  
Company Name: FINGER MGMT CORP  
Contact Type: Not reported  
Contact Name: JOSEPH L. BAVARO  
Address1: 503 S. BROADWAY  
Address2: STE 235  
City: YONKERS  
State: NY  
Zip Code: 10705  
Country Code: 001  
Phone: (914) 207-1744  
EMail: JOE@FINGERMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/24/2014

Site Id: 28480  
Affiliation Type: On-Site Operator  
Company Name: 157-161 WEST 105TH ST. HDFC  
Contact Type: Not reported  
Contact Name: JOE YOUNG  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 224-4942  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/24/2014

Site Id: 28480  
Affiliation Type: Emergency Contact  
Company Name: 157-161 WEST 105TH ST. HDFC  
Contact Type: Not reported  
Contact Name: ANGEL A. LAVERGNE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 560-5207  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 6/27/2006

Tank Info:

Tank Number: 001  
Tank Id: 61680  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

157-161 WEST 105TH ST. HDFC (Continued)

A100183222

Equipment Records:

F00 - Pipe External Protection - None  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/24/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

AA273  
SSW  
1/8-1/4  
0.155 mi.  
820 ft.

145 WEST 105 ST  
145 WEST 105 ST  
NYC, NY 10025  
Site 2 of 6 in cluster AA

NY AST U003395205  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-479462  
Program Type: PBS  
UTM X: 587377.05654999998  
UTM Y: 4516987.05504  
Expiration Date: 01/12/1995  
Site Type: Unknown

Actual:  
108 ft.

Affiliation Records:  
Site Id: 21352  
Affiliation Type: Facility Owner  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145 WEST 105 ST (Continued)

U003395205

Site Id: 21352  
Affiliation Type: Mail Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21352  
Affiliation Type: On-Site Operator  
Company Name: 145 WEST 105 ST  
Contact Type: Not reported  
Contact Name: NYC HPD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21352  
Affiliation Type: Emergency Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: JUANITA ARSENEC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 360-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 38711  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145 WEST 105 ST (Continued)

U003395205

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/01/1998  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479462  
SWIS Code: 6201  
Operator: NYC HPD  
Facility Phone: (212) 806-8565  
Facility Addr2: 145 WEST 105 ST  
Facility Type: Not reported  
Emergency: JUANITA ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HPD  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NYC, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NYC HPD  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10038  
Mailing Telephone: (212) 806-8565  
Owner Mark: First Owner  
Facility Status: 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).  
Certification Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145 WEST 105 ST (Continued)

U003395205

Certification Date: 01/26/1990  
Expiration: 01/12/1995  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: Undefined  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AA274 145-147 WEST 105TH ST HOU DEV FUND CORP  
SSW 145-147 WEST 105 ST  
1/8-1/4 NEW YORK, NY 10025  
0.155 mi.  
820 ft. Site 3 of 6 in cluster AA

NY AST U003386920  
NY HIST AST N/A

Relative: AST:  
Higher Region: STATE  
DEC Region: 2  
Actual: Site Status: Active  
108 ft. Facility Id: 2-195685  
Program Type: PBS  
UTM X: 587341.1809999998  
UTM Y: 4516974.2958300002  
Expiration Date: 02/03/2018

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145-147 WEST 105TH ST HOU DEV FUND CORP (Continued)

U003386920

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 6341  
Affiliation Type: Facility Owner  
Company Name: 145-147 WEST 105TH ST HDFC  
Contact Type: BLDG MGR  
Contact Name: RAMON ALEX ABREU  
Address1: PO BOX 757  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 360-3201  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/27/2014

Site Id: 6341  
Affiliation Type: Mail Contact  
Company Name: 145-147 WEST 105TH ST HDFC  
Contact Type: Not reported  
Contact Name: RAMON RAMOS (BD. PRES.)  
Address1: 147 WEST 105TH STREET  
Address2: APT 3E  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 932-8518  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/27/2014

Site Id: 6341  
Affiliation Type: On-Site Operator  
Company Name: 145-147 WEST 105TH ST HOU DEV FUND CORP  
Contact Type: Not reported  
Contact Name: 145-147 W 105 ST HDFC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-8518  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6341  
Affiliation Type: Emergency Contact  
Company Name: 145-147 WEST 105TH ST HOU DEV FUND CORP  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145-147 WEST 105TH ST HOU DEV FUND CORP (Continued)

U003386920

Contact Name: RAMON RAMOS, PRES. OF BD.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-8518  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10909  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1960  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/28/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-195685  
SWIS Code: 6201  
Operator: 145-147 W 105 ST HDFC  
Facility Phone: (212) 749-4410  
Facility Addr2: 145 WEST 105 ST  
Facility Type: APARTMENT BUILDING  
Emergency: MVDC FOR HPD  
Emergency Tel: (212) 749-4410  
Old PBSNO: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

145-147 WEST 105TH ST HOU DEV FUND CORP (Continued)

U003386920

Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 145-147 WEST 105TH ST HOU DEV FUND CORP  
Owner Address: 145-147 WEST 105 ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 749-4410  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: BLANCA VASQUEZ  
Mailing Name: 145-147 WEST 105TH ST HOU DEV FUND CORP  
Mailing Address: 145-147 WEST 105 ST  
Mailing Address 2: APT 5W  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 749-4410  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 02/19/1998  
Expiration: 02/03/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**145-147 WEST 105TH ST HOU DEV FUND CORP (Continued)**

**U003386920**

Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**V275**  
**South**  
**1/8-1/4**  
**0.155 mi.**  
**821 ft.**

**JEWISH HOSPITAL FOR AYED**  
**121 WEST 105TH STREET**  
**NEW YORK, NY**

**NY LTANKS** **S102672813**  
**NY Spills** **N/A**

**Site 5 of 13 in cluster V**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**109 ft.**

Site ID: 257940  
 Spill Number/Closed Date: 9414640 / 2/12/2003  
 Spill Date: 2/6/1995  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 2/7/1995  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Affected Persons  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 2/10/1995  
 Spill Record Last Update: 2/12/2003  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 211196  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"2/12/2003- Closed Due To The Nature / Extent Of The Spill Report  
 Remarks: MAINT. MAN ON SCENE, DIRECTED HIM TO HOOK TO WRONG TANK, TANK OVERFILLED. SPILL CONTAINED, AL EASTMAN WAS ON SCENE DOING CLEANING. (718) 378-3000 MR. JOE OSTEROWSKI.

**Material:**

Site ID: 257940  
 Operable Unit ID: 1012198  
 Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOSPITAL FOR AYED (Continued)**

**S102672813**

Material ID: 373376  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: 50  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 0412916  
Facility Type: ER  
DER Facility ID: 273881  
Site ID: 338539  
DEC Region: 2  
Spill Date: 3/10/2005  
Spill Number/Closed Date: 0412916 / 11/14/2005  
Spill Cause: Human Error  
Spill Class: Not reported  
SWIS: 3101  
Investigator: rmpiper  
Referred To: Not reported  
Reported to Dept: 3/10/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/10/2005  
Spill Record Last Update: 12/30/2005  
Spiller Name: EARL WALLWOOD  
Spiller Company: JEWISH HOME  
Spiller Address: 121 WEST 105  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: EARL WALDWOOD  
Contact Phone: (212) 870-5744  
DEC Memo: 11/14/05- DEC Piper Contacted Jewish Home. As per Earl, spill has been cleaned up.

Remarks: THE ENGINEER AT THIS LOCATION PUT THE OIL COMPANY INTO THE WRONG TANK AND OIL STARTED LEAKING OUT: IS CONTAINED AND IN PROCESS OF BEING CLEANED UP:

Material:  
Site ID: 338539  
Operable Unit ID: 1100478  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JEWISH HOSPITAL FOR AYED (Continued)**

**S102672813**

Material ID: 580772  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Y276  
East  
1/8-1/4  
0.156 mi.  
822 ft.

258 MANHATTAN AVENUE  
258 MANHATTAN AVENUE  
NEW YORK, NY 10025

NY AST U003394912  
NY HIST AST N/A

Site 2 of 3 in cluster Y

Relative:  
Lower

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-469920  
Program Type: PBS  
UTM X: 587822.04669999995  
UTM Y: 4517256.3372400003  
Expiration Date: 10/16/2016  
Site Type: Apartment Building/Office Building

Actual:  
49 ft.

Affiliation Records:

Site Id: 20554  
Affiliation Type: Mail Contact  
Company Name: 320 W 111 STREET HDFC C/O ALL AREA REALTY  
Contact Type: MANAGING AGENT  
Contact Name: DAVID MOVAHEDIAN  
Address1: 99 TULIP AVENUE SUITE 302  
Address2: Not reported  
City: FLORAL PARK  
State: NY  
Zip Code: 11001  
Country Code: 001  
Phone: (718) 721-0700 127  
EMail: DM@AARSNY.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 6/9/2011

Site Id: 20554  
Affiliation Type: On-Site Operator  
Company Name: 320 W 111 STREET HDFC  
Contact Type: Not reported  
Contact Name: JOSEPH ALTMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**258 MANHATTAN AVENUE (Continued)**

**U003394912**

Zip Code: Not reported  
Country Code: 001  
Phone: (347) 938-4305  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 6/9/2011

Site Id: 20554  
Affiliation Type: Emergency Contact  
Company Name: 320 W 111 STREET HDFC C/O ALL AREA REALTY  
Contact Type: Not reported  
Contact Name: DAVID MOVAHEDIAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (516) 850-8461  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 6/9/2011

Site Id: 20554  
Affiliation Type: Facility Owner  
Company Name: 320 W 111 STREET HDFC C/O ALL AREA REALTY  
Contact Type: MANAGING AGENT  
Contact Name: DAVID MOVAHEDIAN  
Address1: 99 TULIP AVENUE SUITE 302  
Address2: Not reported  
City: FLORAL PARK  
State: NY  
Zip Code: 11001  
Country Code: 001  
Phone: (718) 721-0700 127  
EMail: DM@AARSNY.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 6/9/2011

Tank Info:

Tank Number: 001  
Tank Id: 37268  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**258 MANHATTAN AVENUE (Continued)**

**U003394912**

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/20/1920  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 06/09/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-469920  
SWIS Code: 6201  
Operator: NYC HOUSING PRESERV & DEVEL  
Facility Phone: (212) 806-8565  
Facility Addr2: 258 MANHATTAN AVENUE  
Facility Type: Not reported  
Emergency: JUANITA ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HOUSING PRESERV & DEVEL  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NEW YORK, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NYC HOUSING PRESERV & DEVEL  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10038  
Mailing Telephone: (212) 806-8565  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 03/28/1989  
Expiration: 03/28/1994  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**258 MANHATTAN AVENUE (Continued)**

**U003394912**

FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**U277**  
**SSE**  
**1/8-1/4**  
**0.157 mi.**  
**827 ft.**

**51 WEST 106 STREET**  
**51 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 5 of 7 in cluster U**

**NY AST A100182984**  
**N/A**

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-600970  
Program Type: PBS  
UTM X: 587617.94348000002  
UTM Y: 4516958.2640899997  
Expiration Date: 05/16/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**81 ft.**

Affiliation Records:  
Site Id: 22940  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**51 WEST 106 STREET (Continued)**

**A100182984**

Company Name: CCRS  
Contact Type: Not reported  
Contact Name: ANGIE CORDERO  
Address1: 169 ALLEN ST SUITE 1B  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 979-1387  
EMail: CCRS@CCRSMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 1/16/2013

Site Id: 22940  
Affiliation Type: On-Site Operator  
Company Name: 51 WEST 106 STREET  
Contact Type: Not reported  
Contact Name: MIGUEL CASTILLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 241-1649  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/9/2009

Site Id: 22940  
Affiliation Type: Emergency Contact  
Company Name: 51 WEST 106TH STREET HDFC  
Contact Type: Not reported  
Contact Name: MANUEL SANTAMARIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (347) 882-9822  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 1/16/2013

Site Id: 22940  
Affiliation Type: Facility Owner  
Company Name: 51 WEST 106TH STREET HDFC  
Contact Type: VP  
Contact Name: RAMON NUNEZ  
Address1: 51 WEST 106TH ST  
Address2: Not reported  
City: MANHATTAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**51 WEST 106 STREET (Continued)**

**A100182984**

State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (646) 241-1649  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 1/16/2013

Tank Info:

Tank Number: 1  
Tank Id: 44668  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1901  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 11/16/2005  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/09/2009  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 2  
Tank Id: 227601  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

51 WEST 106 STREET (Continued)

A100182984

L00 - Piping Leak Detection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
I01 - Overfill - Float Vent Valve  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/18/2005  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/09/2009  
Material Name: #2 Fuel Oil (On-Site Consumption)

AA278  
SSW  
1/8-1/4  
0.157 mi.  
830 ft.

NYC BD OF ED - PUBLIC SCHOOL 145 MAN  
150 W 105TH ST  
NEW YORK, NY 10025  
Site 4 of 6 in cluster AA

RCRA-SQG 1004759391  
FINDS NYR000009464  
NY MANIFEST

Relative:  
Higher

RCRA-SQG:

Actual:  
108 ft.

Date form received by agency: 08/07/2012  
Facility name: NYC BD OF ED - PUBLIC SCHOOL 145 MAN  
Facility address: 150 W 105TH ST  
NEW YORK, NY 10025  
EPA ID: NYR000009464  
Mailing address: THOMSON AVE  
LONG ISLAND CITY, NY 11101  
Contact: ALEXANDER LEMPERS  
Contact address: THOMSON AVE  
LONG ISLAND CITY, NY 11101  
Contact country: US  
Contact telephone: (718) 472-8501  
Contact email: ALEMPERS@NYCSCA.ORG  
EPA Region: 02  
Classification: Small Small Quantity Generator  
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NYC BD OF ED  
Owner/operator address: 28-11 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 349-5600  
Legal status: Municipal

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)**

**1004759391**

Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NEW YORK CITY DEPT OF EDUCATION  
Owner/operator address: THOMSON AVE  
LONG ISLAND CITY, NY 11101

Owner/operator country: US  
Owner/operator telephone: (718) 472-8501  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 08/26/1963  
Owner/Op end date: Not reported

Owner/operator name: NYC DEPT OF SCHOOL FACILITIES  
Owner/operator address: Not reported  
Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 08/26/1963  
Owner/Op end date: Not reported

Owner/operator name: NYC BD OF ED  
Owner/operator address: 28-11 QUEENS PLZ N  
LONG ISLAND CITY, NY 11101

Owner/operator country: US  
Owner/operator telephone: (718) 349-5600  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: B004  
. Waste name: B004

. Waste code: B007  
. Waste name: B007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)**

**1004759391**

Historical Generators:

Date form received by agency: 01/01/2007  
Site name: NYC BD OF ED - PUBLIC SCHOOL 145 MAN  
Classification: Not a generator, verified

Date form received by agency: 01/01/2006  
Site name: NYC BD OF ED - PUBLIC SCHOOL 145 MAN  
Classification: Not a generator, verified

Date form received by agency: 07/27/1995  
Site name: NYC BD OF ED - PUBLIC SCHOOL 145 MAN  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004516033

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYR000009464  
Country: USA  
Location Address 1: 150 WEST 150TH STREET  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: NYC BOARD OF EDUCATION  
Contact: JACK BRUCCULERI  
Address: 28-11 QUEENS PLAZA NORTH  
City/State/Zip: LONG ISLAND CITY, NY 11101  
Country: USA  
Phone: 718-349-5660

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD054126164

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)

1004759391

Trans2 State ID: Not reported  
Generator Ship Date: 09/27/2014  
Trans1 Recv Date: 09/27/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/14/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: ALD000622464  
Waste Code: Not reported  
Quantity: 762  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 000646457VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD054126164  
Generator Ship Date: 08/20/2014  
Trans1 Recv Date: 08/20/2014  
Trans2 Recv Date: 08/22/2014  
TSD Site Recv Date: 08/27/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: MAC300017498  
Waste Code: Not reported  
Quantity: 436  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 12  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 000646236VES  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)

1004759391

Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD054126164  
Generator Ship Date: 08/20/2014  
Trans1 Recv Date: 08/20/2014  
Trans2 Recv Date: 08/22/2014  
TSD Site Recv Date: 08/27/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: MAC300017498  
Waste Code: Not reported  
Quantity: 1781  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 7  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 000646236VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H039

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYR000134791  
Trans2 State ID: NJD054126164  
Generator Ship Date: 08/06/2012  
Trans1 Recv Date: 08/06/2012  
Trans2 Recv Date: 08/10/2012  
TSD Site Recv Date: 08/15/2012  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)**

**1004759391**

Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: MA500004713  
Waste Code: Not reported  
Quantity: 25.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 002822965FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H039

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYR000134791  
Trans2 State ID: NJD054126164  
Generator Ship Date: 08/06/2012  
Trans1 Recv Date: 08/06/2012  
Trans2 Recv Date: 08/09/2012  
TSD Site Recv Date: 09/20/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 15.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 002822956FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)**

**1004759391**

Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NYR000134791  
Trans2 State ID: NJD054126164  
Generator Ship Date: 08/06/2012  
Trans1 Recv Date: 08/06/2012  
Trans2 Recv Date: 08/09/2012  
TSD Site Recv Date: 08/23/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: MID048090633  
Waste Code: Not reported  
Quantity: 76.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 002822964FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: NJA2116702  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 50082  
Trans2 State ID: S6993  
Generator Ship Date: 08/09/1995  
Trans1 Recv Date: 08/09/1995  
Trans2 Recv Date: 10/12/1995  
TSD Site Recv Date: 10/12/1995  
Part A Recv Date: / /  
Part B Recv Date: 10/25/1995  
Generator EPA ID: NYR000009464  
Trans1 EPA ID: NY0000551218  
Trans2 EPA ID: NJD980772768  
TSD ID: NJD991291105  
Waste Code: D008 - LEAD 5.0 MG/L TCLP

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYC BD OF ED - PUBLIC SCHOOL 145 MAN (Continued)**

**1004759391**

Quantity: 00100  
 Units: P - Pounds  
 Number of Containers: 001  
 Container Type: DM - Metal drums, barrels  
 Handling Method: L Landfill.  
 Specific Gravity: 100  
 Year: 1995

Document ID: NYG1967994  
 Manifest Status: Not reported  
 Trans1 State ID: 68699ANNY  
 Trans2 State ID: Not reported  
 Generator Ship Date: 12/06/2001  
 Trans1 Recv Date: 12/06/2001  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 12/06/2001  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYR000009464  
 Trans1 EPA ID: NYD049178296  
 Trans2 EPA ID: Not reported  
 TSD ID: NYD049178296  
 Waste Code: F003 - UNKNOWN  
 Quantity: 01680  
 Units: P - Pounds  
 Number of Containers: 028  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 01.00  
 Year: 2001

**AA279**  
**SSW**  
**1/8-1/4**  
**0.157 mi.**  
**830 ft.**

**P.S 145**  
**150 WEST 105TH STREET**  
**NEW YORK, NY 10025**  
**Site 5 of 6 in cluster AA**

**NY AST U003394176**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-353744  
 Program Type: PBS  
 UTM X: 587358.45348000003  
 UTM Y: 4516983.3935599998  
 Expiration Date: 06/28/2018  
 Site Type: School

**Actual:**  
**108 ft.**

Affiliation Records:  
 Site Id: 17561  
 Affiliation Type: Facility Owner  
 Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 44-36 VERNON BOULEVARD  
 Address2: Not reported  
 City: LONG ISLAND CITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P.S 145 (Continued)**

**U003394176**

State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5751  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/5/2015

Site Id: 17561  
Affiliation Type: Mail Contact  
Company Name: NYC DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: MUNENDRA SHARMA  
Address1: FIELD OPERATIONS-FUEL DIVISION  
Address2: 44-36 VERNON BOULEVARD  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 349-5752  
EMail: MSHARMA@SCHOOLS.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/26/2015

Site Id: 17561  
Affiliation Type: On-Site Operator  
Company Name: PUBLIC SCHOOL 145 - MANHATTAN M145  
Contact Type: Not reported  
Contact Name: DANIEL RILEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-3474  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/20/2014

Site Id: 17561  
Affiliation Type: Emergency Contact  
Company Name: NEW YORK CITY DEPARTMENT OF EDUCATION  
Contact Type: Not reported  
Contact Name: KEN MAHADEO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 210-7918  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P.S 145 (Continued)**

**U003394176**

Modified By: NRLOMBAR  
Date Last Modified: 3/26/2015

Tank Info:

Tank Number: 001  
Tank Id: 34399  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/20/1960  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/20/2014  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 34400  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P.S 145 (Continued)**

**U003394176**

Tank Location: K00 - Spill Prevention - None  
3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/20/1960  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/20/2014  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-353744  
SWIS Code: 6201  
Operator: PLANT OPERATION  
Facility Phone: (718) 391-6000  
Facility Addr2: 150 WEST 105TH STREET  
Facility Type: SCHOOL  
Emergency: SCHOOL SAFETY  
Emergency Tel: (212) 979-3300  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: CITY OF NEW YORK C/O BOARD OF EDUCATION  
Owner Address: 28-11 QUEENS PLAZA NORTH  
Owner City,St,Zip: LONG ISLAND CITY, NY 11101  
Federal ID: Not reported  
Owner Tel: (718) 391-6832  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Contact: FRANK CARDELLO NTROL  
Mailing Name: BOARD OF EDUCATION  
Mailing Address: 28-11 QUEENS PLAZA NORTH  
Mailing Address 2: 5 FLOOR  
Mailing City,St,Zip: LONG ISLAND CITY, NY 11101  
Mailing Telephone: (718) 391-6832  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 06/28/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 15000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P.S 145 (Continued)**

**U003394176**

CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Tank ID: 002  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**P.S 145 (Continued)**

**U003394176**

Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AA280**  
**SW**  
**1/8-1/4**  
**0.157 mi.**  
**831 ft.**

**GROSVENOR NEIGHBORHOOD HOUSE INC**  
**176 WEST 105TH STREET**  
**NEW YORK, NY 10025**  
**Site 6 of 6 in cluster AA**

**NY AST U004077160**  
**N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-216798  
 Program Type: PBS  
 UTM X: 587298.07614000002  
 UTM Y: 4517016.32015  
 Expiration Date: 10/15/2007  
 Site Type: Other

**Actual:**  
**107 ft.**

Affiliation Records:  
 Site Id: 8170  
 Affiliation Type: Facility Owner  
 Company Name: GROSVENOR NEIGHBORHOOD HOUSE INC  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 176 WEST 105TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 749-8500  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 8170  
 Affiliation Type: Mail Contact  
 Company Name: GROSVENOR NEIGHBORHOOD HOUSE INC  
 Contact Type: Not reported  
 Contact Name: ALBERTO MORALES  
 Address1: 176 WEST 105TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 749-8500  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 8170  
 Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GROSVENOR NEIGHBORHOOD HOUSE INC (Continued)**

**U004077160**

Company Name: GROSVENOR NEIGHBORHOOD HOUSE INC  
Contact Type: Not reported  
Contact Name: ALBERTO MORALES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-8500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 8170  
Affiliation Type: Emergency Contact  
Company Name: GROSVENOR NEIGHBORHOOD HOUSE INC  
Contact Type: Not reported  
Contact Name: ALBERTO MORALES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-8500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 061  
Tank Id: 22419  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
H99 - Tank Leak Detection - Other  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
Tank Location: 6  
Tank Type: Stainless Steel Alloy  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/1962  
Capacity Gallons: 2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GROSVENOR NEIGHBORHOOD HOUSE INC (Continued)

U004077160

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

V281  
South  
1/8-1/4  
0.157 mi.  
831 ft.

107 WEST 105 STREET  
107 WEST 105TH STREET  
NEW YORK, NY 10025  
Site 6 of 13 in cluster V

NY AST A100183388  
N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606811  
Program Type: PBS  
UTM X: 587431.55105999997  
UTM Y: 4516928.1993100001  
Expiration Date: 08/23/2016  
Site Type: Apartment Building/Office Building

Actual:  
110 ft.

Affiliation Records:

Site Id: 28666  
Affiliation Type: Facility Owner  
Company Name: NYC DEP OF HOUSING PRESERVATION DEVELOPMENT  
Contact Type: EXEC DIRECTOR  
Contact Name: JOHN E GEARRITY  
Address1: 100 GOLD ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-8590  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/1/2011

Site Id: 28666  
Affiliation Type: Mail Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: ASST COMMISSIONER DIV OF PROPERTY DISPOSITION  
Address1: 100 GOLD STREET  
Address2: 9Y-C  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-8590  
EMail: ALEXANDJ@HPD.NYC.GOV  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

107 WEST 105 STREET (Continued)

A100183388

Modified By: BVCAMPBE  
Date Last Modified: 9/1/2011

Site Id: 28666  
Affiliation Type: On-Site Operator  
Company Name: 107 WEST 105 STREET  
Contact Type: Not reported  
Contact Name: VICTOR HERNANDEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 863-6251  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/1/2011

Site Id: 28666  
Affiliation Type: Emergency Contact  
Company Name: NYC DEP OF HOUSING PRESERVATION DEVELOPMENT  
Contact Type: Not reported  
Contact Name: DEREK PARSONS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 559-4337  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/1/2011

Tank Info:

Tank Number: 001  
Tank Id: 61901  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**107 WEST 105 STREET (Continued)**

**A100183388**

K00 - Spill Prevention - None  
 Tank Location: 1  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 01/01/1960  
 Capacity Gallons: 1500  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: BVCAMPBE  
 Last Modified: 09/01/2011  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**V282**  
**South**  
**1/8-1/4**  
**0.159 mi.**  
**837 ft.**

**120 W 105 ST**  
**120 WEST 105 ST**  
**NEW YORK, NY 10033**  
**Site 7 of 13 in cluster V**

**NY AST** **U003392205**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-219428  
 Program Type: PBS  
 UTM X: 587428.17273999995  
 UTM Y: 4516945.3598600002  
 Expiration Date: 11/22/2015  
 Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
 Site Id: 8407  
 Affiliation Type: Mail Contact  
 Company Name: 120 WEST 105 STREET LLC  
 Contact Type: Not reported  
 Contact Name: MEIR BOUSKILA  
 Address1: P.O. BOX 1920  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10116  
 Country Code: 001  
 Phone: (212) 564-2111  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: msbaptis  
 Date Last Modified: 7/5/2007

Site Id: 8407  
 Affiliation Type: On-Site Operator  
 Company Name: 120 W 105 ST  
 Contact Type: Not reported  
 Contact Name: DAMIR RADONCIC  
 Address1: Not reported  
 Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

120 W 105 ST (Continued)

U003392205

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5537  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/3/2010

Site Id: 8407  
Affiliation Type: Emergency Contact  
Company Name: 120 WEST 105 STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 7/5/2007

Site Id: 8407  
Affiliation Type: Facility Owner  
Company Name: 120 WEST 105 STREET LLC  
Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: PO BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10119  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/3/2010

Tank Info:

Tank Number: 100  
Tank Id: 24111  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

120 W 105 ST (Continued)

U003392205

I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1929  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 09/06/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-219428  
SWIS Code: 6201  
Operator: ANGELO  
Facility Phone: (212) 537-5287  
Facility Addr2: 120 WEST 105 ST  
Facility Type: APARTMENT BUILDING  
Emergency: EMANUEL  
Emergency Tel: (212) 304-9300  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NORWAX ASSOCIATES INC.  
Owner Address: 1724 EASTCHESTER RD.  
Owner City,St,Zip: BRONX, NY 10461  
Federal ID: Not reported  
Owner Tel: (212) 823-2700  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NORWAX ASSOCIATES INC.  
Mailing Address: 1724 EASTCHESTER ROAD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BRONX, NY 10461  
Mailing Telephone: (212) 823-2700  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 03/31/1993  
Expiration: 10/15/1997  
Renew Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

120 W 105 ST (Continued)

U003392205

Renew Date: Not reported  
 Total Capacity: 5000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 5000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

AB283  
WNW  
1/8-1/4  
0.159 mi.  
837 ft.

P & R EQUITIES INC  
262 WEST 107TH ST  
NEW YORK, NY 10025  
Site 1 of 10 in cluster AB

NY AST U003385633  
NY HIST AST N/A

Relative:  
Higher

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-153869  
 Program Type: PBS  
 UTM X: 587183.24928999995  
 UTM Y: 4517273.7574199997  
 Expiration Date: 06/05/2017  
 Site Type: Apartment Building/Office Building

Actual:  
108 ft.

Affiliation Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P & R EQUITIES INC (Continued)**

**U003385633**

Site Id: 4897  
Affiliation Type: Facility Owner  
Company Name: P&R EQUITIES INC  
Contact Type: MANAGING AGENT  
Contact Name: PETER KUPFER  
Address1: 41 WEST 83RD ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-5463  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 4/9/2012

Site Id: 4897  
Affiliation Type: Mail Contact  
Company Name: P&R EQUITIES INC  
Contact Type: Not reported  
Contact Name: PETER KUPFER  
Address1: 41 WEST 83RD STREET  
Address2: CUIITE 1C1  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 874-5463  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 4/9/2012

Site Id: 4897  
Affiliation Type: On-Site Operator  
Company Name: P & R EQUITIES INC  
Contact Type: Not reported  
Contact Name: ARTHUR SOUFFRONT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-5878  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4897  
Affiliation Type: Emergency Contact  
Company Name: P&R EQUITIES INC  
Contact Type: Not reported  
Contact Name: ARTHUR SOUFFRONT  
Address1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P & R EQUITIES INC (Continued)**

**U003385633**

Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-5878  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 8248  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B02 - Tank External Protection - Original Sacrificial Anode  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/08/1953  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 04/09/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-153869  
SWIS Code: 6201  
Operator: ARTHUR SOUFFRONT  
Facility Phone: (212) 663-5878  
Facility Addr2: 262 WEST 107TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: ARTHUR SOUFFRONT  
Emergency Tel: (212) 663-5878  
Old PBSNO: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P & R EQUITIES INC (Continued)**

**U003385633**

Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: P&R EQUITIES INC  
Owner Address: C/O A SPIEGEL-41 WEST 83RD ST  
Owner City,St,Zip: NEW YORK, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 874-5463  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: P&R EQUITIES INC  
Mailing Address: C/O A SPIEGEL  
Mailing Address 2: 41 WEST 83RD STREET  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 874-5463  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 06/26/1997  
Expiration: 06/05/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: 2  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**P & R EQUITIES INC (Continued)**

**U003385633**

Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**AC284  
SW  
1/8-1/4  
0.159 mi.  
838 ft.**

**JO & WO REALTY CORPPORATION  
201 WEST 105 STREET  
NEW YORK, NY 10025**

**NY AST U003389808  
NY HIST AST N/A**

**Site 1 of 6 in cluster AC**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-285714  
Program Type: PBS  
UTM X: 587238.13017000002  
UTM Y: 4517062.7969800001  
Expiration Date: 07/20/2017  
Site Type: Apartment Building/Office Building

**Actual:  
105 ft.**

Affiliation Records:

Site Id: 12713  
Affiliation Type: Facility Owner  
Company Name: JO & WO REALTY CORPORATION  
Contact Type: VICE PRESIDENT  
Contact Name: MOSES WOLF  
Address1: 4718 18TH AVENUE, SUITE 141  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11204  
Country Code: 001  
Phone: (718) 436-1537  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/19/2011

Site Id: 12713  
Affiliation Type: Mail Contact  
Company Name: JO & WO REALTY CORP.  
Contact Type: Not reported  
Contact Name: MOSES WOLF  
Address1: 4718 18TH AVENUE  
Address2: SUITE 141  
City: BROOKLYN  
State: NY  
Zip Code: 11204  
Country Code: 001  
Phone: (718) 436-1537  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JO & WO REALTY CORPPORATION (Continued)**

**U003389808**

Site Id: 12713  
Affiliation Type: On-Site Operator  
Company Name: JO & WO REALTY CORPPORATION  
Contact Type: Not reported  
Contact Name: ANGEL NAVARRO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 739-8400  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/18/2007

Site Id: 12713  
Affiliation Type: Emergency Contact  
Company Name: JO & WO REALTY CORPPORATION  
Contact Type: Not reported  
Contact Name: TERRENCE JOYCE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 584-3989  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/18/2007

Tank Info:

Tank Number: 001  
Tank Id: 17591  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JO & WO REALTY CORPPORATION (Continued)**

**U003389808**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 11/10/1979  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DXLIVING  
Last Modified: 04/18/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-285714  
SWIS Code: 6201  
Operator: ALEX CRUZ  
Facility Phone: (212) 953-1548  
Facility Addr2: 201 W 105 ST  
Facility Type: APARTMENT BUILDING  
Emergency: TERRENCE JOYCE  
Emergency Tel: (718) 436-1537  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: JO & WO REALTY CORPPORATION  
Owner Address: 4718 18TH AVENUE, SUITE 141  
Owner City,St,Zip: BROOKLYN, NY 11204  
Federal ID: Not reported  
Owner Tel: (718) 436-1537  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MOSES WOLF  
Mailing Name: JO & WO REALTY CORPPORATION  
Mailing Address: 4718 18TH AVENUE, SUITE 141  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BROOKLYN, NY 11204  
Mailing Telephone: (718) 436-1537  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 08/01/1997  
Expiration: 07/20/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JO & WO REALTY CORPPORATION (Continued)**

**U003389808**

Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 1  
Tank External: 00  
Pipe Location: None  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 00  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**U285**  
**SSE**  
**1/8-1/4**  
**0.159 mi.**  
**842 ft.**

**141 MANHATTAN AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Auto Stat 1015222764**  
**N/A**

**Site 6 of 7 in cluster U**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: LOONEE 24 AUTO HELPLINE  
Year: 2003  
Address: 141 MANHATTAN AVE

**Actual:**  
**82 ft.**

Name: LOONEE 24 HOUR AUTO HELPLINE  
Year: 2005  
Address: 141 MANHATTAN AVE

Name: LOONEE 24 AUTO HELPLINE  
Year: 2010  
Address: 141 MANHATTAN AVE

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**V286**  
**South**  
**1/8-1/4**  
**0.159 mi.**  
**842 ft.**

**921 COLUMBUS AVE**  
**NEW YORK, NY 10025**

**EDR US Hist Auto Stat**    **1015675645**  
**N/A**

**Site 8 of 13 in cluster V**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name: SUPERIOR CAR SVCE  
Year: 1999  
Address: 921 COLUMBUS AVE

**Actual:**  
**110 ft.**

Name: SUPERIOR CAR SVCE  
Year: 2000  
Address: 921 COLUMBUS AVE

Name: SUPERIOR CAR SVC  
Year: 2010  
Address: 921 COLUMBUS AVE

**Z287**  
**NNW**  
**1/8-1/4**  
**0.161 mi.**  
**848 ft.**

**545 WEST 111TH ST**  
**545 WEST 111TH STREET**  
**NEW YORK, NY 10025**

**NY AST**    **U003383462**  
**NY HIST AST**    **N/A**

**Site 3 of 8 in cluster Z**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-046590  
Program Type: PBS  
UTM X: 587368.27943  
UTM Y: 4517551.6091  
Expiration Date: 12/02/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**112 ft.**

Affiliation Records:

Site Id: 671  
Affiliation Type: Facility Owner  
Company Name: 545 WEST 111TH ST CONDOMINIUM  
Contact Type: MGR  
Contact Name: A.J. REXHEPI  
Address1: 545 WEST 111TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7266  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/25/2011

Site Id: 671  
Affiliation Type: Mail Contact  
Company Name: THE 545 WEST 111TH ST CONDOMINIUM  
Contact Type: Not reported  
Contact Name: A.J. REXHEPI  
Address1: C/O BLUE WOODS MGMT. GROUP INC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**545 WEST 111TH ST (Continued)**

**U003383462**

Address2: 307 SEVENTH AVENUE, #604  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 645-7333  
EMail: AREXHEPI@BLUEWOODSMGMT.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/25/2011

Site Id: 671  
Affiliation Type: On-Site Operator  
Company Name: 545 WEST 111TH ST  
Contact Type: Not reported  
Contact Name: JOHN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-7266  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 671  
Affiliation Type: Emergency Contact  
Company Name: 545 WEST 111TH ST CONDOMINIUM  
Contact Type: Not reported  
Contact Name: A.J. REXHEPI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 645-7333 4060  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 10/25/2011

Tank Info:

Tank Number: 068  
Tank Id: 1501  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

545 WEST 111TH ST (Continued)

U003383462

L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/08/1950  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: msbaptis  
Last Modified: 10/27/2006  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-046590  
SWIS Code: 6201  
Operator: JOHN RADONCIC  
Facility Phone: (212) 663-7266  
Facility Addr2: 545 WEST 111TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: MATTHEW VERALLI  
Emergency Tel: (212) 645-7333  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 545 WEST 111TH ST CONDOMINIUM  
Owner Address: 545 WEST 111TH ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 663-7266  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MATTHEW VERALLI  
Mailing Name: THE 545 WEST 111TH ST CONDOMINIUM  
Mailing Address: C/O BLUE WOODS MGMT. GROUP INC.  
Mailing Address 2: 307 SEVENTH AVENUE, #604  
Mailing City,St,Zip: NEW YORK, NY 10001  
Mailing Telephone: (212) 645-7333  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 09/21/2001  
Expiration: 12/02/2006  
Renew Flag: False  
Renew Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**545 WEST 111TH ST (Continued)**

**U003383462**

Total Capacity: 10000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 068  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 10000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**V288**  
**South**  
**1/8-1/4**  
**0.162 mi.**  
**858 ft.**

**SIGMUND FOX**  
**106 WEST 105TH STREET**  
**NEW YORK, NY 10025**  
**Site 9 of 13 in cluster V**

**NY AST** **U003384419**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-100161  
 Program Type: PBS  
 UTM X: 587460.78131999995  
 UTM Y: 4516927.6488899998  
 Expiration Date: 11/22/2015  
 Site Type: Apartment Building/Office Building

**Actual:**  
**110 ft.**

Affiliation Records:  
 Site Id: 3026

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIGMUND FOX (Continued)**

**U003384419**

Affiliation Type: Mail Contact  
Company Name: 106 W. 105 STREET LLC  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/15/2007

Site Id: 3026  
Affiliation Type: On-Site Operator  
Company Name: 106 W 105TH ST  
Contact Type: Not reported  
Contact Name: DAMIR RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5637  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/3/2010

Site Id: 3026  
Affiliation Type: Emergency Contact  
Company Name: 106 WEST 105 STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 5/15/2007

Site Id: 3026  
Affiliation Type: Facility Owner  
Company Name: 106 WEST 105 STREET LLC  
Contact Type: MEMBER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1919  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIGMUND FOX (Continued)**

**U003384419**

City: NEW YORK  
State: NY  
Zip Code: 10119  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 9/3/2010

Tank Info:

Tank Number: 001  
Tank Id: 3749  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 02/02/1920  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 02/04/2015  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 03/19/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-100161  
SWIS Code: 6201  
Operator: STEVE FELDHEIM  
Facility Phone: (212) 795-0144  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: CESAR PENA  
Emergency Tel: (212) 662-9241  
Old PBSNO: Not reported  
Date Inspected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIGMUND FOX (Continued)**

**U003384419**

Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SIGMUND FOX  
Owner Address: 1370 AVENUE OF THE AMERICAS  
Owner City,St,Zip: NEW YORK, NY 10019  
Federal ID: Not reported  
Owner Tel: (212) 582-5200  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: P. ROSENSTOCK  
Mailing Name: GREEN REAL ESTATE  
Mailing Address: 4310 BROADWAY  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10033  
Mailing Telephone: (212) 795-0144  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 04/25/1995  
Expiration: 03/24/1997  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 05/01/1978  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: None  
Leak Detection: 00  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SIGMUND FOX (Continued)**

**U003384419**

Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**U289**  
**SSE**  
**1/8-1/4**  
**0.163 mi.**  
**862 ft.**

**CON EDISON**  
**139 MANHATTAN AV**  
**NEW YORK, NY 10025**

**NY MANIFEST** **S117318062**  
**N/A**

**Site 7 of 7 in cluster U**

**Relative:**  
**Lower**

NY MANIFEST:  
EPA ID: NYP004655551  
Country: USA  
Location Address 1: 139 MANHATTAN AV  
Location Address 2: SB51187  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:**  
**83 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 09/12/2014  
Trans1 Recv Date: 09/12/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/15/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004655551  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002609546GBF  
Import Ind: N  
Export Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117318062**

Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**T290**  
**West**  
**1/8-1/4**  
**0.164 mi.**  
**866 ft.**

**CON EDISON - SERVICE BOX 17701**  
**219 W 106 ST.**  
**NEW YORK, NY 10025**  
**Site 3 of 4 in cluster T**

**RCRA-LQG 1016454861**  
**NY MANIFEST NYP004335824**

**Relative:**  
**Higher**

RCRA-LQG:

**Actual:**  
**106 ft.**

Date form received by agency: 03/27/2014  
Facility name: CON EDISON - SERVICE BOX 17701  
Facility address: 219 W 106 ST.  
NEW YORK, NY 10025  
EPA ID: NYP004335824  
Mailing address: IRVING PLACE, 15TH FL NE  
NEW YORK, NY 10003  
Contact: DENNIS HUACON  
Contact address: IRVING PLACE, 15TH FL NE  
NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (212) 460-2757  
Contact email: HUACOND@CONED.COM  
EPA Region: 02  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/26/2013  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17701 (Continued)**

**1016454861**

Owner/operator address: IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/26/2013  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Historical Generators:

Date form received by agency: 08/26/2013  
Site name: CON EDISON SERVICE BOX: 17701  
Classification: Not a generator, verified

Date form received by agency: 07/26/2013  
Site name: CON EDISON SERVICE BOX: 17701  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004335824  
Country: USA  
Location Address 1: 219 W 106 ST.  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17701 (Continued)**

**1016454861**

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/25/2013  
Trans1 Recv Date: 07/25/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/30/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004335824  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 3000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011695760JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AC291**  
**WSW**  
**1/8-1/4**  
**0.167 mi.**  
**884 ft.**

**212 WEST 105TH STREET HDF CORP**  
**212 WEST 105TH ST**  
**NY, NY 10025**  
**Site 2 of 6 in cluster AC**

**NY AST** **U003392040**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**105 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-406813  
Program Type: PBS  
UTM X: 587190.82652999996  
UTM Y: 4517074.67349999996  
Expiration Date: 10/15/2007  
Site Type: Private Residence

Affiliation Records:

Site Id: 19668  
Affiliation Type: Facility Owner  
Company Name: 212 WEST 105TH STREET HDF CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**212 WEST 105TH STREET HDF CORP (Continued)**

**U003392040**

Contact Type: Not reported  
Contact Name: Not reported  
Address1: 212 WEST 105TH STREET HDF CORP  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 932-2308  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19668  
Affiliation Type: Mail Contact  
Company Name: 212 WEST 105TH STREET HDF CORP  
Contact Type: Not reported  
Contact Name: STEPHANIE EVANS  
Address1: 212 WEST 105TH STREET  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 864-4121  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19668  
Affiliation Type: On-Site Operator  
Company Name: 212 WEST 105TH STREET HDF CORP  
Contact Type: Not reported  
Contact Name: 212 WEST 105TH HDFC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-2308  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19668  
Affiliation Type: Emergency Contact  
Company Name: 212 WEST 105TH STREET HDF CORP  
Contact Type: Not reported  
Contact Name: STEPHANIE EVANS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**212 WEST 105TH STREET HDF CORP (Continued)**

**U003392040**

Zip Code: Not reported  
Country Code: 001  
Phone: (212) 932-2308  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 23172  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2900  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-406813  
SWIS Code: 6201  
Operator: 212 WEST 105TH  
Facility Phone: (212) 663-3494  
Facility Addr2: 212 WEST 105TH ST  
Facility Type: PRIVATE RESIDENCE  
Emergency: STEPHANIE EVANS  
Emergency Tel: (212) 932-2308  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 212 WEST 105TH STREET HDF CORP  
Owner Address: 212 WEST 105TH STREET HDF CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**212 WEST 105TH STREET HDF CORP (Continued)**

**U003392040**

Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 932-2308  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: DAVID CALVERT  
Mailing Name: 212 WEST 105TH STREET HDF CORP  
Mailing Address: 212 WEST 105TH STREET HDF CORP  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Telephone: (212) 864-4121  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/03/1997  
Expiration: 10/15/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2900  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2900  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

212 WEST 105TH STREET HDF CORP (Continued)

U003392040

Lat/Long: Not reported

AC292  
WSW  
1/8-1/4  
0.167 mi.  
884 ft.

215 WEST 105TH STREET OWNERS CORP.  
215 WEST 105TH STREET  
NEW YORK, NY 10025

NY AST A100380377  
N/A

Site 3 of 6 in cluster AC

Relative:  
Higher

AST:

Actual:  
105 ft.

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-403423  
Program Type: PBS  
UTM X: 587197.03182999999  
UTM Y: 4517085.0717099998  
Expiration Date: 10/06/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19364  
Affiliation Type: Facility Owner  
Company Name: 215 W 105TH ST OWNERS CORP.  
Contact Type: PROPERTY MGR  
Contact Name: DARLENE CARUSO  
Address1: 215 WEST 105TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 362-9298  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/6/2013

Site Id: 19364  
Affiliation Type: Mail Contact  
Company Name: 215 W 105TH ST OWNERS CORP.  
Contact Type: Not reported  
Contact Name: DARLENE CARUSO  
Address1: C/O MERLOT MANAGEMENT  
Address2: 201 WEST 91ST ST. STE 1D  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 362-9298  
EMail: BETH@MERLOTMGMT.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/6/2013

Site Id: 19364  
Affiliation Type: On-Site Operator  
Company Name: 215 WEST 105TH STREET OWNERS CORP.  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**215 WEST 105TH STREET OWNERS CORP. (Continued)**

**A100380377**

Contact Name: SANDOR SARI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 408-9219  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 7/21/2009

Site Id: 19364  
Affiliation Type: Emergency Contact  
Company Name: 215 W 105TH ST OWNERS CORP.  
Contact Type: Not reported  
Contact Name: DARLENE CARUSO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 362-9298  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/6/2013

Tank Info:

Tank Number: 001  
Tank Id: 21970  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
I04 - Overfill - Product Level Gauge (A/G)  
L00 - Piping Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1938  
Capacity Gallons: 3000  
Tightness Test Method: 21  
Date Test: 07/31/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

215 WEST 105TH STREET OWNERS CORP. (Continued)

A100380377

Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 08/06/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

T293  
West  
1/8-1/4  
0.169 mi.  
893 ft.

CON EDISON  
250 W 106 ST  
NEW YORK, NY 10025

NY MANIFEST S117058663  
N/A

Site 4 of 4 in cluster T

Relative:  
Higher

NY MANIFEST:  
EPA ID: NYP004507984  
Country: USA  
Location Address 1: 250 W 106 ST  
Location Address 2: SB 17707  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Actual:  
107 ft.

Mailing Info:

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 04/22/2014  
Trans1 Recv Date: 04/22/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/25/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004507984  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002358667GBF  
Import Ind: N  
Export Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117058663**

Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AD294**  
**WNW**  
**1/8-1/4**  
**0.170 mi.**  
**896 ft.**

**SPILL NUMBER 0104930**  
**255 WEST 108TH ST**  
**MANHATTAN, NY**  
**Site 1 of 8 in cluster AD**

**NY LTANKS** **S105135070**  
**N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**109 ft.**

Site ID: 319369  
Spill Number/Closed Date: 0104930 / 4/1/2004  
Spill Date: 8/7/2001  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 8/7/2001  
CID: 281  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/7/2001  
Spill Record Last Update: 4/1/2004  
Spiller Name: VIRGINIA CONTI  
Spiller Company: INSIGNA RESIDENTAL GROUP  
Spiller Address: 205 EAST 42ND ST  
Spiller City,St,Zip: NEW YORK, NY 10017-001  
Spiller County: 001  
Spiller Contact: JIM DUNNE  
Spiller Phone: (212) 866-3229  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 257300  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"8/7/2001 - 6,000 gal tank in the basement of 255 West 108th St gave way and released to the containment room and out into the boiler room. Early in the day Mr. Dunne (super) stated that the 6,000 gal tank contained 2,300 gal of #6 oil. At about 10:30 AM Castle Oil Corp. delivered an additional 3,000 gal. The delivery was uneventful and Castle left the site. At approx. 3PM Mr. Dunne said he entered the boiler room ans saw a stream of oil pouring from the tank containment room across the boiler room floor into the sump pump

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0104930 (Continued)**

**S105135070**

area. Mr. Dunne shut down the sump pump unit and called Castle Oil who in turn contacted the New York State Spill Hotline. Petroleum Tank Cleaners(PTC) was contacted and on the scene by 6:30 PM. PTC began with a vac out of the tank, tank containment room and eventually moved to the boiler room itself. By evening of 8/7 most of a temporary fuel system had been installed with the exception of a #6 fuel oil transfer line. Upon the second DEC inspection of the site on the afternoon of 8/8, the main boiler room was 80% clean and the vac truck was back and they continued to vac out from various low points around the basement. 8/13/2001 - Sangesland met at the site with property manager Julia Kodis (212-350-2859), a representative of the Co-op Board and representatives of a tank replacement consulting engineering firm (Lawless & Mangione Architects & Engineers LLP - Jamal Taha P.E. and J.C.Chou Sr. Structural Engineer. 914 423-8844 / 212-475-0870) The plan of action from this meeting was: 1) Have PTC finish the cleanout of the basement. There was still oil in various pits and speedie dry piles were around both the boiler room and the containment room. 2) Lawless with prepare a plan to replace the tank, waterproof the walls and secure the containment area. 3) Submittal of this "Plan of Action" is Sept 7, 2001. Sangesland said another site visit needs to be made after the floor had been properly cleaned. If the floor of the tank containment room looks like it had cracks, borings and a partial digout may be required. 9/25/2001 Sangesland spoke to Julia Kodis (manager). The bids for the tank removal/room repair/tank rebuild were due today. The contract will be awarded at 9/27 board mtg. Removal of the existing tank will probably not happen before week of 10/9/01. Julia Kodis did say that the building has purchased an oil/water separator for the boiler room sump pump. 2/14/2002 Sangesland spoke with Julia Kodis at Insignia. She said the contractors have been set and have submitted a schedule for removal of the old tank and major portions of the old boiler. Right now the contractor is scheduled to remove the existing tank on 2/21 & 2/22. After the tank is removed, the area along the south wall of the tank room will be excavated as required by the DEC. Ms. Kodis confirmed that the excavation will not be filled in again until AFTER it has been inspected by the DEC. 2/27/2002 Sangesland went to the site and inspected the empty tank room. A trench was dug approx 2' deep, 2' wide and the full 30' width along the south edge of the tank room. The trench had some water in it, no sign of petroleum product. Sangesland said it was OK to close up. Contractor will close up the floor, lay a new 4" cement pad, waterproof the room up to a height of approx 4ft. The whole room will be painted with epoxy paint. The room will have a liquid alarm which will alert the super to come into the room and actively pump out the room. Contractor was also asked to take photos of each stage of the project, provide a summary of the original problem along with all the steps done to solve the problem. 4/1/2004 Despite repeated attempts to get the proper closure documents from Ms. Conti at Insignia Residential Mgt. nothing has been submitted. Since Sangesland saw the tank room after the old tank was removed and the trench area was clean, DEC is closing this case out.

Remarks:

TANK FAILURE AT ABOVE LOCATION. MATERIAL SPILLED IN BASEMENT OF BUILDING. SUPM PUMPS HAVE BEEN TURNED OFF. PETROLEUM TANK CLEANERS OF BROOKLYN HAS BEEN CONTACTED FOR CLEANUP.

Material:

Site ID:

319369

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0104930 (Continued)**

**S105135070**

Operable Unit ID: 843440  
Operable Unit: 01  
Material ID: 533408  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 600  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**Y295**  
**East**  
**1/8-1/4**  
**0.171 mi.**  
**903 ft.**

**272 MANHATTAN AVE**  
**272 MANHATTAN AVENUE**  
**NEW YORK, NY 10026**

**NY AST** **A100183315**  
**N/A**

**Site 3 of 3 in cluster Y**

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-606735  
Program Type: PBS  
UTM X: 587809.70481999998  
UTM Y: 4517283.18183999997  
Expiration Date: 06/25/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**43 ft.**

Affiliation Records:  
Site Id: 28592  
Affiliation Type: Mail Contact  
Company Name: ARTIMUS CONSTRUCTION  
Contact Type: Not reported  
Contact Name: BRIAN BURWELL  
Address1: 316 WEST 118 STREET  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10026  
Country Code: 001  
Phone: (646) 834-9381  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/19/2013

Site Id: 28592  
Affiliation Type: On-Site Operator  
Company Name: 272 MANHATTAN AVE  
Contact Type: Not reported  
Contact Name: CHRISTINE MIEAR  
Address1: Not reported  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**272 MANHATTAN AVE (Continued)**

**A100183315**

City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 399-3545  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/19/2013

Site Id: 28592  
Affiliation Type: Emergency Contact  
Company Name: 272  
Contact Type: Not reported  
Contact Name: CHRISTINE MIEAR  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 399-3545  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/19/2013

Site Id: 28592  
Affiliation Type: Facility Owner  
Company Name: 272 EQUITIES LLC  
Contact Type: MEMBER  
Contact Name: ROBERT E  
Address1: 37 W 65 ST 2ND FLOOR  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 996-5100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/19/2013

Tank Info:

Tank Number: 001  
Tank Id: 61827  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

272 MANHATTAN AVE (Continued)

A100183315

G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1953  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/24/2013  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/19/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

AE296  
ESE  
1/8-1/4  
0.172 mi.  
908 ft.

CON EDISON  
20 W 109 ST  
NEW YORK, NY 10025  
Site 1 of 14 in cluster AE

NY MANIFEST S117313827  
N/A

Relative:  
Lower

NY MANIFEST:  
EPA ID: NYP004607982  
Country: USA  
Location Address 1: 20 W 109 ST  
Location Address 2: SB18102  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Actual:  
61 ft.

Mailing Info:  
Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/25/2014  
Trans1 Recv Date: 07/25/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/30/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117313827**

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004607982  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDf ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 013256226JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AC297  
WSW  
1/8-1/4  
0.173 mi.  
913 ft.**

**CON EDISON MANHOLE: 17583  
221 W 105TH ST  
NEW YORK, NY 10025  
Site 4 of 6 in cluster AC**

**RCRA NonGen / NLR 1016964172  
NY MANIFEST NYP004371159**

**Relative:  
Higher**

RCRA NonGen / NLR:

**Actual:  
105 ft.**

Date form received by agency: 11/07/2013  
Facility name: CON EDISON MANHOLE: 17583  
Facility address: 221 W 105TH ST  
NEW YORK, NY 10025  
EPA ID: NYP004371159  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 17583 (Continued)**

**1016964172**

Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/07/2013  
Site name: CON EDISON MANHOLE: 17583  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004371159  
Country: USA  
Location Address 1: FO 221 W 105TH ST  
Location Address 2: MH 17583  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 10/07/2013  
Trans1 Recv Date: 10/07/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/14/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004371159  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 2000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 17583 (Continued)**

1016964172

Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002291573GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

V298  
South  
1/8-1/4  
0.173 mi.  
914 ft.

915 COLUMBUS AVE  
NEW YORK, NY 10025  
Site 10 of 13 in cluster V

EDR US Hist Cleaners 1015105727  
N/A

Relative:  
Higher

EDR Historical Cleaners:  
Name: CARRASCO CLEANERS  
Year: 2002  
Address: 915 COLUMBUS AVE

Actual:  
111 ft.

W299  
North  
1/8-1/4  
0.174 mi.  
917 ft.

CON EDISON SERVICE BOX: 17013  
112-114 W 100TH ST & AMSTERDAM  
NEW YORK, NY 10025  
Site 2 of 9 in cluster W

RCRA NonGen / NLR 1016454688  
FINDS NYP004331617  
NY MANIFEST

Relative:  
Higher

RCRA NonGen / NLR:  
Date form received by agency: 08/19/2013  
Facility name: CON EDISON SERVICE BOX: 17013  
Facility address: 112-114 W 100TH ST & AMSTERDAM  
FRONT OF  
NEW YORK, NY 10025  
EPA ID: NYP004331617  
Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
118 ft.

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 17013 (Continued)**

**1016454688**

Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/19/2013  
Site name: CON EDISON SERVICE BOX: 17013  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056499828

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004331617  
Country: USA  
Location Address 1: 112 W 100 ST  
Location Address 2: SB #17013  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 17013 (Continued)**

**1016454688**

Generator Ship Date: 07/19/2013  
Trans1 Recv Date: 07/19/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/23/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004331617  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011694530JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**W300**  
**North**  
**1/8-1/4**  
**0.175 mi.**  
**926 ft.**

**AMSTERDAM NURSING HOME CORP**  
**1060 AMSTERDAM AVENUE**  
**NEW YORK, NY 10025**

**NY UST U004081716**  
**NY AST N/A**

**Site 3 of 9 in cluster W**

**Relative:**  
**Higher**

UST:  
Id/Status: 2-218286 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 10/15/2017  
UTM X: 587511.18790000002  
UTM Y: 4517566.5109000001  
Site Type: Other

**Actual:**  
**118 ft.**

Affiliation Records:  
Site Id: 8305  
Affiliation Type: Facility Owner  
Company Name: JAMES DAVIS  
Contact Type: DIR BLDG  
Contact Name: RICHARD HARLEY  
Address1: 1060 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM NURSING HOME CORP (Continued)**

**U004081716**

Country Code: 001  
Phone: (212) 316-7700  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: Mail Contact  
Company Name: AMSTERDAM NURSING HOME CORP  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: 1060 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-7743  
EMail: RHARLEY@AMSTERDAMNH.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: On-Site Operator  
Company Name: AMSTERDAM NURSING HOME CORP  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-2600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: Emergency Contact  
Company Name: JAMES DAVIS  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 316-7743  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM NURSING HOME CORP (Continued)**

**U004081716**

Tank Info:

Tank Number: 001  
Tank ID: 23919  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 15000  
Install Date: 09/01/1975  
Date Tank Closed: 01/01/1997  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: ZZ  
Date Test: 04/01/1991  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
B01 - Tank External Protection - Painted/Asphalt Coating  
C02 - Pipe Location - Underground/On-ground  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-218286  
Program Type: PBS  
UTM X: 587511.18790000002  
UTM Y: 4517566.5109000001  
Expiration Date: 10/15/2017  
Site Type: Other

Affiliation Records:

Site Id: 8305  
Affiliation Type: Facility Owner  
Company Name: JAMES DAVIS  
Contact Type: DIR BLDG  
Contact Name: RICHARD HARLEY  
Address1: 1060 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-7700  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM NURSING HOME CORP (Continued)**

**U004081716**

Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: Mail Contact  
Company Name: AMSTERDAM NURSING HOME CORP  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: 1060 AMSTERDAM AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-7743  
EMail: RHARLEY@AMSTERDAMNH.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: On-Site Operator  
Company Name: AMSTERDAM NURSING HOME CORP  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-2600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Site Id: 8305  
Affiliation Type: Emergency Contact  
Company Name: JAMES DAVIS  
Contact Type: Not reported  
Contact Name: RICHARD HARLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 316-7743  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/12/2012

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMSTERDAM NURSING HOME CORP (Continued)**

**U004081716**

Tank Number: 002  
Tank Id: 53251  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

L00 - Piping Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
C02 - Pipe Location - Underground/On-ground  
G05 - Tank Secondary Containment - Synthetic Liner  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
K01 - Spill Prevention - Catch Basin  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1997  
Capacity Gallons: 15000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 12/12/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**W301**  
**North**  
**1/8-1/4**  
**0.176 mi.**  
**927 ft.**

**508 WEST 112TH STREET,INC.**  
**508-510 WEST 112TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003396136**  
**NY HIST AST** **N/A**

**Site 4 of 9 in cluster W**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601344  
Program Type: PBS  
UTM X: 587453.63748000003  
UTM Y: 4517565.2463199999  
Expiration Date: 02/06/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**117 ft.**

Affiliation Records:

Site Id: 23311  
Affiliation Type: Mail Contact  
Company Name: NUNZ REALTY LLC  
Contact Type: Not reported  
Contact Name: ROBERT BARANOFF  
Address1: 766 AMSTERDAM AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**508 WEST 112TH STREET,INC. (Continued)**

**U003396136**

Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070  
EMail: BRUSCORM@GMAIL.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 7/10/2014

Site Id: 23311  
Affiliation Type: On-Site Operator  
Company Name: NUNEZ REALTY LLC.  
Contact Type: Not reported  
Contact Name: ADOLFO RIVERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 932-0417  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/18/2014

Site Id: 23311  
Affiliation Type: Emergency Contact  
Company Name: NUNZ REALTY LLC  
Contact Type: Not reported  
Contact Name: ROBERT BARANOFF  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 663-7070  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/18/2014

Site Id: 23311  
Affiliation Type: Facility Owner  
Company Name: NUNZ REALTY LLC  
Contact Type: PROPERTY MANAGER  
Contact Name: ROBERT BARANOFF  
Address1: 508-510 WEST 112TH ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**508 WEST 112TH STREET,INC. (Continued)**

**U003396136**

E-Mail: BRUSCORM@GMAIL.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 7/10/2014

Tank Info:

Tank Number: 01  
Tank Id: 45574  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
B05 - Tank External Protection - Jacketed

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/04/1976  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 06/19/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-601344  
SWIS Code: 6201  
Operator: JOHN BURKE, JR.  
Facility Phone: (212) 749-0743  
Facility Addr2: 508 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: BRAD WINSTON  
Emergency Tel: (212) 765-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 508 WEST 112TH STREET,INC.  
Owner Address: 508-510 WEST 112TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**508 WEST 112TH STREET,INC. (Continued)**

**U003396136**

Federal ID: Not reported  
Owner Tel: (212) 765-7900  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MR. BRADFORD WINSTON  
Mailing Name: T.U.C. MGMT CO,INC.  
Mailing Address: 119 WEST 57TH STREET, SUITE 1620  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10019-2303  
Mailing Telephone: (212) 765-7900  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 04/02/1998  
Expiration: 02/19/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 01  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AE302** 17-19 WEST 108TH ST. H.D.F.C.  
**ESE** 17-19 WEST 108TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.177 mi.**  
**936 ft.** **Site 2 of 14 in cluster AE**

**NY AST** **A100168829**  
**N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-195677  
Program Type: PBS  
UTM X: 587760.74708  
UTM Y: 4517031.2490900001  
Expiration Date: 02/03/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**66 ft.**

Affiliation Records:

Site Id: 6340  
Affiliation Type: Facility Owner  
Company Name: 17-19 WEST 108TH STREET H.D.F.C.  
Contact Type: AGENT  
Contact Name: SERGIO MARTINEZ  
Address1: 17-19 WEST 108 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 757-5180  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/15/2013

Site Id: 6340  
Affiliation Type: Mail Contact  
Company Name: GENERAL PROPERTY MGT. ASSOC. INC.  
Contact Type: Not reported  
Contact Name: SERGIO MARTINEZ  
Address1: 250 WEST 57TH STREET  
Address2: #2332  
City: NEW YORK  
State: NY  
Zip Code: 10107-2332  
Country Code: 001  
Phone: (212) 757-5180 14  
EMail: SERGIO@GENERALPROPERTY.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/15/2013

Site Id: 6340  
Affiliation Type: On-Site Operator  
Company Name: 17-19 WEST 108TH ST. H.D.F.C.  
Contact Type: Not reported  
Contact Name: PEDRO ACEVEDO  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**17-19 WEST 108TH ST. H.D.F.C. (Continued)**

**A100168829**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 575-0713  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 6340  
Affiliation Type: Emergency Contact  
Company Name: 17-19 WEST 108TH STREET H.D.F.C.  
Contact Type: Not reported  
Contact Name: SERGIO MARTINEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 757-5180 14  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/15/2013

Tank Info:

Tank Number: 001  
Tank Id: 10908  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J03 - Dispenser - Gravity  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1969  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

17-19 WEST 108TH ST. H.D.F.C. (Continued)

A100168829

Register: True  
Modified By: KAKYER  
Last Modified: 02/15/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

W303  
North  
1/8-1/4  
0.177 mi.  
937 ft.

TRUSTEES OF COLUMBIA UNIVERSITY.  
512 WEST 112TH STREET  
NEW YORK, NY 10025

NY AST U003396238  
NY HIST AST N/A

Site 5 of 9 in cluster W

Relative:  
Higher

AST:

Actual:  
117 ft.

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-601610  
Program Type: PBS  
UTM X: 587475.63150999998  
UTM Y: 4517569.7538400004  
Expiration Date: 10/15/2013  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 23572  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/2/2015

Site Id: 23572  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23572

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396238**

Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COL. UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23572  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/16/2013

Tank Info:

Tank Number: 001  
Tank Id: 47134  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396238**

Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/01/1963  
Capacity Gallons: 3500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/24/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 10/29/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-601610  
SWIS Code: 6201  
Operator: TRUSTEES OF COL. UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 512 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/15/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396238**

Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3500  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 1  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: 0  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 64  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**W304**  
**North**  
**1/8-1/4**  
**0.178 mi.**  
**938 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**509 WEST 112TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003394445**  
**NY HIST AST** **N/A**

**Site 6 of 9 in cluster W**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-453676  
 Program Type: PBS  
 UTM X: 587489.64905000001  
 UTM Y: 4517575.8038799996  
 Expiration Date: 10/14/2013  
 Site Type: Apartment Building/Office Building

**Actual:**  
**117 ft.**

Affiliation Records:  
 Site Id: 19877  
 Affiliation Type: Facility Owner  
 Company Name: TRUSTEES OF COLUMBIA UNIV.  
 Contact Type: ASST VICE PRESIDENT  
 Contact Name: MARK KERMAN  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10027

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394445**

Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19877  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19877  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19877  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394445**

Tank Info:

Tank Number: 001  
Tank Id: 35689  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/01/1963  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 11/17/2011  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 01/12/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453676  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA  
Facility Phone: (212) 854-9300  
Facility Addr2: 509 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394445**

Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W305** TRUSTEES OF COLUMBIA UNIV  
**North** 511 WEST 112TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.178 mi.**  
**942 ft.** Site 7 of 9 in cluster W

NY AST U003394444  
NY HIST AST N/A

**Relative:**  
**Higher**

AST:

**Actual:**  
**117 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453668  
Program Type: PBS  
UTM X: 587484.97806999995  
UTM Y: 4517578.4131300002  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19876  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19876  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19876  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394444**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19876  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35688  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/03/1963  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394444**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453668  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV  
Facility Phone: (212) 854-9300  
Facility Addr2: 511 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394444**

Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 1  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

V306  
South  
1/8-1/4  
0.180 mi.  
951 ft.

**910 COLUMBUS AVE  
910 COLUMBUS AVE  
NEW YORK, NY 10025**  
**Site 11 of 13 in cluster V**

**NY TANKS S103517630  
NY HIST AST N/A**

**Relative:  
Higher**

TANKS:  
Facility Id: 2-345555  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 12/14/2017  
UTM X: 587464.17134  
UTM Y: 4516897.8240799997

**Actual:  
112 ft.**

HIST AST:  
PBS Number: 2-345555  
SWIS Code: 6201  
Operator: MARIO GALLEGOS  
Facility Phone: (212) 873-3336  
Facility Addr2: 910 COLUMBUS AVE  
Facility Type: STORAGE TERMINAL/PETROLEUM DISTRIBUTOR  
Emergency: JOSEPH D. BRUSCO  
Emergency Tel: (212) 595-9590  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: H.K. REALTY CORPORATION  
Owner Address: 163 WEST 74TH STREET  
Owner City,St,Zip: NEW YORK, NY 10023  
Federal ID: Not reported  
Owner Tel: (212) 595-9590

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**910 COLUMBUS AVE (Continued)**

**S103517630**

Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: JOSEPH O. BRUSCO  
Mailing Name: H.K. REALTY CORPORATION  
Mailing Address: 163 WEST 74TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10023  
Mailing Telephone: (212) 595-9590  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 12/11/1997  
Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AF307  
SSE  
1/8-1/4  
0.180 mi.  
951 ft.

69 WEST 105TH STREET APARTMENT HOUSE  
69 WEST 105TH STREET  
NEW YORK, NY 10025

NY AST U003396085  
NY HIST AST N/A

Site 1 of 4 in cluster AF

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601231  
Program Type: PBS  
UTM X: 587554.95079999999  
UTM Y: 4516891.2378500002  
Expiration Date: 11/24/2017  
Site Type: Apartment Building/Office Building

Actual:  
104 ft.

Affiliation Records:

Site Id: 23200  
Affiliation Type: Facility Owner  
Company Name: 69 W 105 CORP.  
Contact Type: AGENT  
Contact Name: CHARLES GEDINSKY  
Address1: PO BOX 190906  
Address2: Not reported  
City: JAMAICA  
State: NY  
Zip Code: 11419  
Country Code: 001  
Phone: (718) 850-4100  
EMail: CGEDINSKY@AOL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 23200  
Affiliation Type: Mail Contact  
Company Name: 69 W 105 CORP.  
Contact Type: AGENT  
Contact Name: CHARLES GEDINSKY  
Address1: PO BOX 190906  
Address2: Not reported  
City: JAMAICA  
State: NY  
Zip Code: 11419  
Country Code: 001  
Phone: (718) 850-4100  
EMail: CGEDINSKY@AOL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 23200  
Affiliation Type: On-Site Operator  
Company Name: 69 WEST 105TH STREET APARTMENT HOUSE  
Contact Type: Not reported  
Contact Name: CLIFF DUFTON  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**69 WEST 105TH STREET APARTMENT HOUSE (Continued)**

**U003396085**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (845) 821-5996  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Site Id: 23200  
Affiliation Type: Emergency Contact  
Company Name: 69 W 105 CORP.  
Contact Type: Not reported  
Contact Name: CHARLES GEDINSKY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 309-8000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/8/2014

Tank Info:

Tank Number: 69W105  
Tank Id: 45043  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/16/1935  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**69 WEST 105TH STREET APARTMENT HOUSE (Continued)**

**U003396085**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/08/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-601231  
SWIS Code: 6201  
Operator: NATHANIEL HALL  
Facility Phone: (212) 619-2051  
Facility Addr2: 69 WEST 105TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: DON LEBOWITZ  
Emergency Tel: (212) 864-2183  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 69 W 105 CORP. C/O DON LEBOWITZ  
Owner Address: 277 BROADWAY, SUITE 806  
Owner City,St,Zip: NEW YORK, NY 10007  
Federal ID: Not reported  
Owner Tel: (212) 619-2051  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: DON LEBOWITZ  
Mailing Name: 69 WEST 105 CORP.  
Mailing Address: 277 BROADWAY, SUITE 806  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10007  
Mailing Telephone: (212) 619-2051  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/01/1997  
Expiration: 11/24/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 69W105  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**69 WEST 105TH STREET APARTMENT HOUSE (Continued)**

**U003396085**

Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 00  
Overfill Protection: 46  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AE308  
ESE  
1/8-1/4  
0.181 mi.  
954 ft.**

**15 WEST 108 STREET  
15 WEST 108TH STREET  
NEW YORK, NY 10025  
Site 3 of 14 in cluster AE**

**NY AST U004061715  
N/A**

**Relative:  
Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-606743  
Program Type: PBS  
UTM X: 587760.22620000003  
UTM Y: 4517037.67563000004  
Expiration Date: 08/21/2006  
Site Type: Apartment Building/Office Building

**Actual:  
66 ft.**

Affiliation Records:

Site Id: 28600  
Affiliation Type: Facility Owner  
Company Name: NYC/HPD/DAMP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 100 GOLD ST # 7Z5  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-7301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**15 WEST 108 STREET (Continued)**

**U004061715**

Site Id: 28600  
Affiliation Type: Mail Contact  
Company Name: NYC/HPD/DAMP  
Contact Type: Not reported  
Contact Name: ASST. COMMISSIONER/DAMP  
Address1: 100 GOLD STREET  
Address2: #7Z5  
City: NEW YORK  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 863-7301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/1/2014

Site Id: 28600  
Affiliation Type: On-Site Operator  
Company Name: 15 WEST 108 STREET  
Contact Type: Not reported  
Contact Name: ASST. COMMISSIONER/DAMP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 863-7301  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28600  
Affiliation Type: Emergency Contact  
Company Name: Not reported  
Contact Type: Not reported  
Contact Name: 213/215 MOTT ST. H.D.F.C.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 613-0908  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/4/2008

Tank Info:

Tank Number: 1  
Tank Id: 61835  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

15 WEST 108 STREET (Continued)

U004061715

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: JMKRIMGO  
Last Modified: 08/23/2006  
Material Name: #2 Fuel Oil (On-Site Consumption)

AE309  
ESE  
1/8-1/4  
0.181 mi.  
954 ft.

15 WEST 108 STREET  
15 WEST 108TH STREET  
NEW YORK, NY 10025  
Site 4 of 14 in cluster AE

NY HIST UST U003835968  
N/A

Relative:  
Lower

HIST UST:

PBS Number: 2-606743  
SPDES Number: Not reported  
Emergency Contact: ASST. COMMISSIONER/DAMP  
Emergency Telephone: (212) 863-7301  
Operator: ASST. COMMISSIONER/DAMP  
Operator Telephone: (212) 863-7301  
Owner Name: NYC/HPD/DAMP  
Owner Address: 100 GOLD ST # 7Z5  
Owner City,St,Zip: NEW YORK, NY 10038  
Owner Telephone: (212) 863-7301  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Name: NYC/HPD/DAMP  
Mailing Address: 100 GOLD ST # 7Z5  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10038  
Mailing Contact: ASST. COMMISSIONER/DAMP  
Mailing Telephone: (212) 863-7301  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Actual:  
66 ft.

Facility Addr2: 15 W 108 STREET  
SWIS ID: 6201

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

15 WEST 108 STREET (Continued)

U003835968

Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 08/24/2001  
Expiration Date: 08/21/2006  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2

Tank Id: 1  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 5000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: Painted/Asphalt Coating  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Not reported  
Leak Detection: None  
Overfill Prot: Vent Whistle  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: 12/27/1987  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AB310**  
**West**  
**1/8-1/4**  
**0.181 mi.**  
**955 ft.**

**CINEPLEX ODEON OLYMPIA CINEMAS**  
**2770 BROADWAY**  
**NEW YORK, NY 10025**

**NY AST** **U003383893**  
**NY HIST AST** **N/A**

**Site 2 of 10 in cluster AB**

**Relative:**  
**Higher**

AST:

**Actual:**  
**107 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-069051  
Program Type: PBS  
UTM X: 587106.92298000003  
UTM Y: 4517285.7363700001  
Expiration Date: 04/27/2008  
Site Type: Other Wholesale/Retail Sales

Affiliation Records:

Site Id: 1444  
Affiliation Type: Facility Owner  
Company Name: RKO CENTURY WARNER THEATRES, INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 241 EAST 34TH STREET, 3RD FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 679-2000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1444  
Affiliation Type: Mail Contact  
Company Name: CINEPLEX ODEON OLYMPIA CINEMA  
Contact Type: Not reported  
Contact Name: SUPER FACILITY MANAGER  
Address1: 2770 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-9888  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1444  
Affiliation Type: On-Site Operator  
Company Name: CINEPLEX ODEON OLYMPIA CINEMAS  
Contact Type: Not reported  
Contact Name: RKO CENTURY WARNER THEATRES  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CINEPLEX ODEON OLYMPIA CINEMAS (Continued)**

**U003383893**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-9888  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1444  
Affiliation Type: Emergency Contact  
Company Name: RKO CENTURY WARNER THEATRES, INC.  
Contact Type: Not reported  
Contact Name: GEORGE SAUTTER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 679-2000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 2512  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
H04 - Tank Leak Detection - Groundwater Well

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CINEPLEX ODEON OLYMPIA CINEMAS (Continued)**

**U003383893**

Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-069051  
SWIS Code: 6201  
Operator: RKO CENTURY WARNER THEATRES  
Facility Phone: (212) 316-9888  
Facility Addr2: 2770 BROADWAY  
Facility Type: Not reported  
Emergency: GEORGE SAUTTER  
Emergency Tel: (212) 679-2000  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: RKO CENTURY WARNER THEATRES, INC.  
Owner Address: 241 EAST 34TH STREET, 3RD FLOOR  
Owner City,St,Zip: NEW YORK, NY 10016  
Federal ID: Not reported  
Owner Tel: (212) 679-2000  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SUPER FACILITY MANAGER  
Mailing Name: CINEPLEX ODEON OLYMPIA CINEMA  
Mailing Address: 2770 BROADWAY  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 316-9888  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/08/1998  
Expiration: 04/27/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CINEPLEX ODEON OLYMPIA CINEMAS (Continued)**

**U003383893**

Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 3  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**AG311**  
**WSW**  
**1/8-1/4**  
**0.181 mi.**  
**955 ft.**

**229 W 105 ST**  
**229 W 105 ST**  
**NY, NY 10025**  
**Site 1 of 9 in cluster AG**

**NY AST** **U003388881**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-282758  
Program Type: PBS  
UTM X: 587155.84936999995  
UTM Y: 4517107.3456600001  
Expiration Date: 07/14/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**105 ft.**

Affiliation Records:  
Site Id: 12457  
Affiliation Type: Facility Owner  
Company Name: DELF ESTATES INC  
Contact Type: PRESIDENT  
Contact Name: LESLIE KAUFMAN  
Address1: 229 WEST 105 ST SUITE 1  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-0600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/12/2007

Site Id: 12457  
Affiliation Type: Mail Contact  
Company Name: DELF ESTATES INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**229 W 105 ST (Continued)**

**U003388881**

Contact Type: PRESIDENT  
Contact Name: LESLIE KAUFMAN  
Address1: 229 WEST 105 ST SUITE 1  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-0600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/12/2007

Site Id: 12457  
Affiliation Type: On-Site Operator  
Company Name: 229 W 105 ST  
Contact Type: Not reported  
Contact Name: DELF ESTATES INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-0600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 12457  
Affiliation Type: Emergency Contact  
Company Name: DELF ESTATES INC  
Contact Type: Not reported  
Contact Name: STEPHEN WEINTRAOB  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-0600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 14823  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

229 W 105 ST (Continued)

U003388881

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/01/1945  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 05/22/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-282758  
SWIS Code: 6201  
Operator: DELF ESTATES INC  
Facility Phone: (212) 662-0600  
Facility Addr2: 229 W 105 ST  
Facility Type: APARTMENT BUILDING  
Emergency: STEPHEN WEINTRAOB  
Emergency Tel: (212) 662-0600  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: QELF ESTATES INC  
Owner Address: 229 WEST 105 ST SUITE 1  
Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 662-0600  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: LESLIE KAUFMAN  
Mailing Name: DELF ESTATES INC  
Mailing Address: 229 WEST 105 ST SUITE 1  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Telephone: (212) 662-0600  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**229 W 105 ST (Continued)**

**U003388881**

Certification Flag: False  
Certification Date: 07/10/1997  
Expiration: 07/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AB312**  
**West**  
**1/8-1/4**  
**0.181 mi.**  
**957 ft.**

**2766 BROADWAY**  
**NEW YORK, NY 10025**

**Site 3 of 10 in cluster AB**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
Name: CARLTON TOWER CLEANERS  
Year: 2010  
Address: 2766 BROADWAY

**Actual:**  
**107 ft.**

Name: CARLTON TOWER CLEANERS  
Year: 2011  
Address: 2766 BROADWAY

**EDR US Hist Cleaners 1015033105**  
**N/A**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**AG313**    **230 W 105 REALTY CORP.**  
**WSW**     **230 WEST 105TH ST**  
**1/8-1/4**   **NEW YORK, NY 10025**  
**0.183 mi.**  
**968 ft.**    **Site 2 of 9 in cluster AG**

**NY AST**    **U003386684**  
              **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-416045  
Program Type: PBS  
UTM X: 587126.80365000002  
UTM Y: 4517109.2237999998  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**105 ft.**

Affiliation Records:

Site Id: 19717  
Affiliation Type: Facility Owner  
Company Name: 230 W 105 REALTY CORP C/O MIDBORO MGMT  
Contact Type: ACCOUNT EXECUTIVE  
Contact Name: MICHAEL J. WOLFE  
Address1: 148 WEST 37TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10018  
Country Code: 001  
Phone: (212) 877-8500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/13/2007

Site Id: 19717  
Affiliation Type: Mail Contact  
Company Name: MIDBORO MANAGEMENT INC.  
Contact Type: Not reported  
Contact Name: MICHAEL J. WOLFE  
Address1: 148 W. 37TH STREET, 8TH FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10018  
Country Code: 001  
Phone: (212) 877-8500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/16/2007

Site Id: 19717  
Affiliation Type: On-Site Operator  
Company Name: 230 W 105 REALTY CORP.  
Contact Type: Not reported  
Contact Name: BOB MAJCHER  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**230 W 105 REALTY CORP. (Continued)**

**U003386684**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2044  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19717  
Affiliation Type: Emergency Contact  
Company Name: 230 W 105 REALTY CORP C/O MIDBORO MGMT  
Contact Type: Not reported  
Contact Name: MICHAEL J. WOLFE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 877-8500  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10448  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
G99 - Tank Secondary Containment - Other  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 09/01/1996  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 09/01/1996  
Register: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**230 W 105 REALTY CORP. (Continued)**

**U003386684**

Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 2  
Tank Id: 51711  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

- B01 - Tank External Protection - Painted/Asphalt Coating
- A00 - Tank Internal Protection - None
- B99 - Tank External Protection - Other
- D01 - Pipe Type - Steel/Carbon Steel/Iron
- I05 - Overfill - Vent Whistle
- J02 - Dispenser - Suction Dispenser
- L09 - Piping Leak Detection - Exempt Suction Piping
- H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
- C01 - Pipe Location - Aboveground
- F01 - Pipe External Protection - Painted/Asphalt Coating
- G99 - Tank Secondary Containment - Other

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/01/1996  
Capacity Gallons: 5000  
Tightness Test Method: ZZ  
Date Test: 09/01/1996  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

**W314  
North  
1/8-1/4  
0.184 mi.  
969 ft.**

**TRUSTEES OF COLUMBIA UNIV  
522 WEST 112TH STREET  
NEW YORK, NY 10025  
Site 8 of 9 in cluster W**

**NY AST U003394443  
NY HIST AST N/A**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-453641  
Program Type: PBS  
UTM X: 587452.53365999996  
UTM Y: 4517582.47016999996  
Expiration Date: 10/14/2013  
Site Type: Apartment Building/Office Building

**Actual:  
116 ft.**

Affiliation Records:  
Site Id: 19875  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394443**

Contact Name: Not reported  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/23/2014

Site Id: 19875  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19875  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/11/2014

Site Id: 19875  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394443**

Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35687  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
F00 - Pipe External Protection - None  
L09 - Piping Leak Detection - Exempt Suction Piping  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/14/1963  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/11/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/14/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453641  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV  
Facility Phone: (212) 854-9300  
Facility Addr2: 522 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394443**

Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394443**

Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**W315**  
**North**  
**1/8-1/4**  
**0.184 mi.**  
**969 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**521 WEST 112TH STREET**  
**NEW YORK, NY 10025**  
**Site 9 of 9 in cluster W**

**NY AST** **U003394467**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-453900  
 Program Type: PBS  
 UTM X: 587461.88023000001  
 UTM Y: 4517591.1294299997  
 Expiration Date: 09/02/2013  
 Site Type: Apartment Building/Office Building

**Actual:**  
**117 ft.**

**Affiliation Records:**

Site Id: 19897  
 Affiliation Type: Facility Owner  
 Company Name: TRUSTEES OF COLUMBIA UNIV.  
 Contact Type: ASST VICE PRESIDENT  
 Contact Name: MARK KERMAN  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10027  
 Country Code: 001  
 Phone: (212) 854-9300  
 EMail: MK17@COLUMBIA.EDU  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 11/21/2013

Site Id: 19897  
 Affiliation Type: Mail Contact  
 Company Name: TRUSTEES OF COLUMBIA UNIV.  
 Contact Type: Not reported  
 Contact Name: DIANE SUAREZ  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10027  
 Country Code: 001  
 Phone: (212) 854-9300  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: msbaptis  
 Date Last Modified: 12/27/2007

Site Id: 19897  
 Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394467**

Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19897  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35720  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394467**

Pipe Model: Not reported  
Install Date: 01/01/1987  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/03/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 11/05/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453900  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 521 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 09/02/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394467

Region: 2  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

V316  
South  
1/8-1/4  
0.184 mi.  
970 ft.

911 COLUMBUS AVE  
NEW YORK, NY 10025

EDR US Hist Auto Stat 1015672055  
N/A

Site 12 of 13 in cluster V

Relative:  
Higher

EDR Historical Auto Stations:

Name: SUPERIOR CAR SERVICE  
Year: 2011  
Address: 911 COLUMBUS AVE

Actual:  
112 ft.

Name: SUPERIOR CAR SERVICE  
Year: 2012  
Address: 911 COLUMBUS AVE

X317  
NNW  
1/8-1/4  
0.184 mi.  
972 ft.

532 WEST OWNERS CORP  
532 WEST 111TH ST  
NEW YORK, NY 10025

NY AST U003386859  
NY HIST AST N/A

Site 2 of 2 in cluster X

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-194557  
Program Type: PBS

Actual:  
113 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**532 WEST OWNERS CORP (Continued)**

**U003386859**

UTM X: 587391.70724000002  
UTM Y: 4517525.2407  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 6239  
Affiliation Type: Facility Owner  
Company Name: 532 WEST OWNERS CORP.  
Contact Type: AGENT  
Contact Name: STEWART HACKETTE  
Address1: 279 WEST 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 884-2200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 4/6/2007

Site Id: 6239  
Affiliation Type: Mail Contact  
Company Name: ROBERT E. HILL, INC.  
Contact Type: Not reported  
Contact Name: STEWART HACKETT  
Address1: 279 WEST 231ST STREET  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10463  
Country Code: 001  
Phone: (718) 884-2200  
EMail: SHACKETT@ROBERTEHILL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/12/2012

Site Id: 6239  
Affiliation Type: On-Site Operator  
Company Name: 532 WEST OWNERS CORP  
Contact Type: Not reported  
Contact Name: MUSA DAKAJ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 359-8774  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 6/12/2012

Site Id: 6239

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**532 WEST OWNERS CORP (Continued)**

**U003386859**

Affiliation Type: Emergency Contact  
Company Name: 532 WEST OWNERS CORP.  
Contact Type: Not reported  
Contact Name: STEWART HACKETT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 884-2200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10800  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/15/1967  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 04/06/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-194557  
SWIS Code: 6201  
Operator: MUSA DAKAJ  
Facility Phone: (212) 316-5242  
Facility Addr2: 532 WEST 111TH ST  
Facility Type: APARTMENT BUILDING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**532 WEST OWNERS CORP (Continued)**

**U003386859**

Emergency: STEWART HACKETT  
Emergency Tel: (718) 884-2200  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 532 WEST OWNERS CORP.  
Owner Address: 279 WEST 231ST STREET  
Owner City,St,Zip: BRONX,, NY 10463  
Federal ID: Not reported  
Owner Tel: (718) 884-2200  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: STEWART HACKETT  
Mailing Name: ROBERT E. HILL, INC.  
Mailing Address: 279 WEST 231ST STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BRONX, NY 10463  
Mailing Telephone: (718) 884-2200  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/25/2001  
Expiration: 07/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**532 WEST OWNERS CORP (Continued)**

**U003386859**

Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AH318**  
**North**  
**1/8-1/4**  
**0.185 mi.**  
**978 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**523 WEST 112TH STREET**  
**NEW YORK, NY 10025**  
**Site 1 of 5 in cluster AH**

**NY AST** **U003394466**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**116 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-453897  
Program Type: PBS  
UTM X: 587457.20926999999  
UTM Y: 4517593.7386999996  
Expiration Date: 10/14/2013  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19896  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/2/2015

Site Id: 19896  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394466**

Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19896  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/29/2013

Site Id: 19896  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35719  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394466**

C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/14/1963  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/23/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 10/29/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453897  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 523 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394466**

Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AE319**  
**ESE**  
**1/8-1/4**  
**0.186 mi.**  
**980 ft.**

**12 W 109TH ST**  
**NEW YORK, NY 10025**  
**Site 5 of 14 in cluster AE**

**EDR US Hist Auto Stat 1015177837**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**60 ft.**

EDR Historical Auto Stations:

Name: HARLEM AUTOMOTIVE CTR INC  
Year: 2004  
Address: 12 W 109TH ST

Name: AUTO SHUTTLE TOWING SERVICES  
Year: 2011  
Address: 12 W 109TH ST

Name: AUTO SHUTTLE TOWING SERVICES  
Year: 2012  
Address: 12 W 109TH ST

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AB320**  
**WNW**  
**1/8-1/4**  
**0.186 mi.**  
**983 ft.**

**CON EDISON**  
**2788 BROADWAY**  
**NEW YORK, NY 10025**  
**Site 4 of 10 in cluster AB**

**NY MANIFEST**    **S117538500**  
**N/A**

**Relative:**  
**Higher**

NY MANIFEST:  
 EPA ID: NYP004711909  
 Country: USA  
 Location Address 1: 2788 BROADWAY  
 Location Address 2: SB27694  
 Location City: NEW YORK  
 Location State: NY  
 Location Zip Code: 10025  
 Location Zip Code 4: Not reported

**Actual:**  
**107 ft.**

Mailing Info:  
 Name: CON EDISON  
 Contact: CON EDISON  
 Address: 4 IRVING PL  
 Address 2: 15TH FL  
 City/State/Zip: NEW YORK, NY 10003  
 Country: USA  
 Phone: Not reported

Manifest:

Document ID: Not reported  
 Manifest Status: Not reported  
 Trans1 State ID: NJD003812047  
 Trans2 State ID: NJD003812047  
 Generator Ship Date: 01/05/2015  
 Trans1 Recv Date: 01/05/2015  
 Trans2 Recv Date: 01/07/2015  
 TSD Site Recv Date: 01/08/2015  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYP004711909  
 Trans1 EPA ID: Not reported  
 Trans2 EPA ID: Not reported  
 TSD ID: NJD991291105  
 Waste Code: Not reported  
 Quantity: 500  
 Units: P - Pounds  
 Number of Containers: 1  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 1  
 Year: 2015  
 Manifest Tracking Num: 002610054GBF  
 Import Ind: N  
 Export Ind: N  
 Discr Quantity Ind: N  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117538500**

Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: NJD003812047  
Generator Ship Date: 01/05/2015  
Trans1 Recv Date: 01/05/2015  
Trans2 Recv Date: 01/07/2015  
TSD Site Recv Date: 01/08/2015  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004711909  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2015  
Manifest Tracking Num: 002610054GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: NJD003812047  
Generator Ship Date: 01/05/2015  
Trans1 Recv Date: 01/05/2015  
Trans2 Recv Date: 01/07/2015  
TSD Site Recv Date: 01/08/2015  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004711909  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117538500**

Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2015  
Manifest Tracking Num: 002610054GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AD321  
WNW  
1/8-1/4  
0.186 mi.  
984 ft.**

**301 WEST 108TH/300 WEST 109TH STREET  
301 WEST 108TH/300 WEST 109TH STREET  
NEW YORK, NY 10025**

**NY AST A100354022  
N/A**

**Site 2 of 8 in cluster AD**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-248398  
Program Type: PBS  
UTM X: 587118.09144999995  
UTM Y: 4517411.9888199996  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

**Actual:  
108 ft.**

Affiliation Records:

Site Id: 9812  
Affiliation Type: Facility Owner  
Company Name: 108 OWNERS CORP % HELLER REALTY  
Contact Type: AGENT  
Contact Name: MARK BRUCATO  
Address1: 745 FIFTH AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10151  
Country Code: 001  
Phone: (212) 873-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/8/2010

Site Id: 9812  
Affiliation Type: Mail Contact  
Company Name: HELLER REALTY  
Contact Type: Not reported  
Contact Name: MARK BRUCATO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**301 WEST 108TH/300 WEST 109TH STREET (Continued)**

**A100354022**

Address1: 745 FIFTH AVENUE  
Address2: SUITE 1250  
City: NEW YORK  
State: NY  
Zip Code: 10151  
Country Code: 001  
Phone: (212) 873-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/14/2013

Site Id: 9812  
Affiliation Type: On-Site Operator  
Company Name: 301 WEST 108TH/300 WEST 109TH STREET  
Contact Type: Not reported  
Contact Name: LUIS UGARTE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 849-9770  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/8/2010

Site Id: 9812  
Affiliation Type: Emergency Contact  
Company Name: 108 OWNERS CORP % HELLER REALTY  
Contact Type: Not reported  
Contact Name: LUIS UGARTE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 849-9770  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/8/2010

Tank Info:

Tank Number: 001  
Tank Id: 11121  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

301 WEST 108TH/300 WEST 109TH STREET (Continued)

A100354022

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/31/1940  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 12/08/2010  
Material Name: #6 Fuel Oil (On-Site Consumption)

AI322  
ESE  
1/8-1/4  
0.187 mi.  
986 ft.

SOUTHERN BAPTIST CHURCH  
12-16 WEST 108TH STREET  
NEW YORK, NY 10025

NY AST U003391876  
NY HIST AST N/A

Site 1 of 10 in cluster AI

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-364320  
Program Type: PBS  
UTM X: 587774.29512000002  
UTM Y: 4517023.4978299998  
Expiration Date: 12/14/2007  
Site Type: Unknown

Actual:  
66 ft.

Affiliation Records:  
Site Id: 18461  
Affiliation Type: Facility Owner  
Company Name: SOUTHERN BAPTIST CHURCH  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 12-16 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-9769  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN BAPTIST CHURCH (Continued)**

**U003391876**

Date Last Modified: 3/4/2004  
  
Site Id: 18461  
Affiliation Type: Mail Contact  
Company Name: SOUTHERN BAPTIST CHURCH  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 12-16 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-9769  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18461  
Affiliation Type: On-Site Operator  
Company Name: SOUTHERN BAPTIST CHURCH  
Contact Type: Not reported  
Contact Name: COLEMAN WEST (DEACON)  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-9769  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18461  
Affiliation Type: Emergency Contact  
Company Name: SOUTHERN BAPTIST CHURCH  
Contact Type: Not reported  
Contact Name: COLEMAN WEST (DEACON)  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-9769  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 22554

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN BAPTIST CHURCH (Continued)**

**U003391876**

Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-364320  
SWIS Code: 6201  
Operator: COLEMAN WEST (DEACON)  
Facility Phone: (212) 678-9769  
Facility Addr2: 12 WEST 108TH STREET  
Facility Type: Not reported  
Emergency: COLEMAN WEST (DEACON)  
Emergency Tel: (718) 220-2782  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SOUTHERN BAPTIST CHURCH  
Owner Address: 12-16 WEST 108TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 678-9769  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SOUTHERN BAPTIST CHURCH  
Mailing Address: 12-16 WEST 108TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 678-9769  
Owner Mark: First Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SOUTHERN BAPTIST CHURCH (Continued)**

**U003391876**

Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 11/07/1997  
Expiration: 12/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AI323  
SE  
1/8-1/4  
0.187 mi.  
989 ft.

15 WEST 107TH STREET LLC  
15 WEST 107TH STREET  
NEW YORK, NY 10025  
Site 2 of 10 in cluster AI

NY AST A100300974  
N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-607980

Actual:  
72 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**15 WEST 107TH STREET LLC (Continued)**

**A100300974**

Program Type: PBS  
UTM X: 587723.25682999997  
UTM Y: 4516967.8470900003  
Expiration Date: 08/24/2015  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 29832  
Affiliation Type: Mail Contact  
Company Name: 15 WEST 107TH STREET LLC  
Contact Type: AGENT  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 1/9/2007

Site Id: 29832  
Affiliation Type: On-Site Operator  
Company Name: 15 WEST 107TH STREET LLC  
Contact Type: Not reported  
Contact Name: BRAHO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-6561  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 7/6/2010

Site Id: 29832  
Affiliation Type: Emergency Contact  
Company Name: 15 WEST 107TH STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 235-6274  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 1/9/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**15 WEST 107TH STREET LLC (Continued)**

**A100300974**

Site Id: 29832  
Affiliation Type: Facility Owner  
Company Name: 15 WEST 107TH STREET LLC  
Contact Type: AGENT  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 1/9/2007

Tank Info:

Tank Number: 100  
Tank Id: 64061  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 01/01/1906  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 02/04/2015  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 03/19/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AI324**  
**ESE**  
**1/8-1/4**  
**0.188 mi.**  
**990 ft.**

**11 WEST 108 STREET**  
**11 WEST 108TH STREET**  
**NEW YORK, NY 10025**  
**Site 3 of 10 in cluster AI**

**NY AST**    **A100182979**  
**N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-600944  
Program Type: PBS  
UTM X: 587806.53436000005  
UTM Y: 4517042.10233000001  
Expiration Date: 06/30/2004  
Site Type: Apartment Building/Office Building

**Actual:**  
**65 ft.**

Affiliation Records:

Site Id: 22914  
Affiliation Type: Mail Contact  
Company Name: Not reported  
Contact Type: Not reported  
Contact Name: WILLIE MAE WILLIAMS  
Address1: 15 WEST 108TH STREET  
Address2: APT. 1  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-3878  
EMail: W108HDFC11.15@VERIZON.NET  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/2/2014

Site Id: 22914  
Affiliation Type: On-Site Operator  
Company Name: 11 WEST 108 STREET  
Contact Type: Not reported  
Contact Name: ARTHUR PHILLIP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/2/2014

Site Id: 22914  
Affiliation Type: Emergency Contact  
Company Name: 11-15 WEST 108TH STREET HDFC  
Contact Type: Not reported  
Contact Name: WILLIE MAE WILLIAMS  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**11 WEST 108 STREET (Continued)**

**A100182979**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 662-3878  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/2/2014

Site Id: 22914  
Affiliation Type: Facility Owner  
Company Name: 11-15 WEST 108TH STREET HDFC  
Contact Type: TREASURER, BOARD OF DIRECTORS  
Contact Name: WILLIE MAE WILLIAMS  
Address1: 11 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-5200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/2/2014

Tank Info:

Tank Number: 1  
Tank Id: 44642  
Material Code: 0009  
Common Name of Substance: Gasoline

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/31/2002  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/02/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

11 WEST 108 STREET (Continued)

A100182979

Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 2  
Tank Id: 253758

Equipment Records:

- A00 - Tank Internal Protection - None
- D01 - Pipe Type - Steel/Carbon Steel/Iron
- G00 - Tank Secondary Containment - None
- I05 - Overfill - Vent Whistle
- J02 - Dispenser - Suction Dispenser
- B01 - Tank External Protection - Painted/Asphalt Coating
- F00 - Pipe External Protection - None
- C03 - Pipe Location - Aboveground/Underground Combination
- H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/31/2002  
Capacity Gallons: 1080  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/02/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

AB325  
WNW  
1/8-1/4  
0.188 mi.  
990 ft.

2790 BROADWAY OWNERS CORP  
2790 BROADWAY  
NEW YORK CITY, NY 10025  
Site 5 of 10 in cluster AB

NY AST U003393893  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-347108  
Program Type: PBS  
UTM X: 587116.07322999998  
UTM Y: 4517368.4444500003  
Expiration Date: 04/19/2018  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:  
Site Id: 16997  
Affiliation Type: Facility Owner  
Company Name: 2790 BROADWAY OWNERS CORP.  
Contact Type: AGENT  
Contact Name: AARON ISESON  
Address1: 2790 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2790 BROADWAY OWNERS CORP (Continued)**

**U003393893**

Country Code: 001  
Phone: (212) 769-3706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/20/2013

Site Id: 16997  
Affiliation Type: Mail Contact  
Company Name: MARBROSE REALTY, INC.  
Contact Type: Not reported  
Contact Name: AARON ISESON  
Address1: 43 WEST 75TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 769-3706  
EMail: AIMARBROSE@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/20/2013

Site Id: 16997  
Affiliation Type: On-Site Operator  
Company Name: 2790 BROADWAY OWNERS CORP  
Contact Type: Not reported  
Contact Name: GUNNAR  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 209-7585  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/20/2013

Site Id: 16997  
Affiliation Type: Emergency Contact  
Company Name: 2790 BROADWAY OWNERS CORP.  
Contact Type: Not reported  
Contact Name: MARBROSE REALTY, INC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 769-3706  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2790 BROADWAY OWNERS CORP (Continued)**

**U003393893**

Tank Info:

Tank Number: 293  
Tank Id: 33062  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1981  
Capacity Gallons: 4500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 08/13/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-347108  
SWIS Code: 6201  
Operator: TEDDY PAVLIK  
Facility Phone: (212) 868-8320  
Facility Addr2: 2790 BROADWAY  
Facility Type: APARTMENT BUILDING  
Emergency: LAWRENCE PROPERTIES  
Emergency Tel: (212) 868-8320  
Old PBSNO: 401609  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: % LAWRENCE PROPERTIES  
Owner Address: 855 AVE OF THE AMERICAS  
Owner City,St,Zip: NYC, NY 10001  
Federal ID: Not reported  
Owner Tel: (212) 868-8320  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: 2790 BROADWAY OWNERS CORP  
Mailing Name: % LAWRENCE PROPERTIES  
Mailing Address: 855 AVE OF THE AMERICAS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2790 BROADWAY OWNERS CORP (Continued)**

**U003393893**

Mailing Address 2: SUITE 200  
Mailing City,St,Zip: NYC, NY 10001  
Mailing Telephone: (212) 868-8320  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 02/19/1998  
Expiration: 04/19/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 293  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AJ326  
West  
1/8-1/4  
0.188 mi.  
993 ft.

**CONSOLIDATED EDISON**  
**2752 BROADWAY**  
**NEW YORK, NY**

**NY MANIFEST**    **S109825436**  
**N/A**

**Site 1 of 9 in cluster AJ**

**Relative:**  
**Higher**

NY MANIFEST:  
EPA ID: NYP004179636  
Country: USA  
Location Address 1: 2752 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

**Actual:**  
**107 ft.**

Mailing Info:  
Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVINGPLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/24/2009  
Trans1 Recv Date: 06/24/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/24/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004179636  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 750.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 000961142GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONSOLIDATED EDISON (Continued)

S109825436

Mgmt Method Type Code: H111

Z327  
North  
1/8-1/4  
0.189 mi.  
996 ft.

TRUSTEES OF COLUMBIA UNIV.  
530 WEST 112TH STREET  
NEW YORK, NY 10025

NY AST U003394431  
NY HIST AST N/A

Site 4 of 8 in cluster Z

Relative:  
Higher

AST:

Actual:  
116 ft.

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-453498  
Program Type: PBS  
UTM X: 587433.93681999994  
UTM Y: 4517592.6862899996  
Expiration Date: 10/14/2013  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19861  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/23/2014

Site Id: 19861  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19861  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394431**

Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19861  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35670  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/03/1963  
Capacity Gallons: 5000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394431**

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/24/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 10/29/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453498  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 530 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394431**

Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 1  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AJ328**  
**West**  
**1/8-1/4**  
**0.189 mi.**  
**999 ft.**

**CON EDISON MANHOLE: 27681**  
**W 106TH ST & BROADWAY SE COR**  
**NEW YORK, NY 10025**

**RCRA-CESQG 1016149252**  
**NYP004279154**

**Site 2 of 9 in cluster AJ**

**Relative:**  
**Higher**

**RCRA-CESQG:**

Date form received by agency: 11/28/2012

**Actual:**  
**107 ft.**

Facility name: CON EDISON MANHOLE: 27681  
Facility address: W 106TH ST & BROADWAY SE COR  
NEW YORK, NY 10025

EPA ID: NYP004279154  
Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: BENJAMIN BAMONTE  
Contact address: Not reported  
Not reported

Contact country: Not reported  
Contact telephone: (212) 894-9549  
Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON MANHOLE: 27681 (Continued)**

**1016149252**

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**AI329**  
**SE**  
**1/8-1/4**  
**0.190 mi.**  
**1002 ft.**

**10-12 WEST 107TH STREET HDFC**  
**10-12 WEST 107 ST**  
**NEW YORK, NY 10025**  
**Site 4 of 10 in cluster AI**

**NY AST**    **U003386918**  
**N/A**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-195669  
 Program Type: PBS  
 UTM X: 587744.48903000006  
 UTM Y: 4516951.5233899998  
 Expiration Date: 06/22/2019  
 Site Type: Apartment Building/Office Building

**Actual:**  
**71 ft.**

Affiliation Records:

Site Id: 6339  
 Affiliation Type: Mail Contact  
 Company Name: HSC MANAGEMENT CORP  
 Contact Type: Not reported  
 Contact Name: LANCE MCLAUGHLIN  
 Address1: 850 THIERLOT CORP  
 Address2: Not reported  
 City: YONKERS  
 State: NY  
 Zip Code: 10708  
 Country Code: 001  
 Phone: (914) 237-1600  
 EMail: LANCE.MCLAUGHLIN@HSCMANAGEMENT.COM  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 4/30/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10-12 WEST 107TH STREET HDFC (Continued)

U003386918

Site Id: 6339  
Affiliation Type: On-Site Operator  
Company Name: 10-12 WEST 107TH STREET HDFC  
Contact Type: Not reported  
Contact Name: GEORGE SCOTT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 443-0388  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 12/11/2012

Site Id: 6339  
Affiliation Type: Emergency Contact  
Company Name: 10-12 WEST 107TH STREET HDFC  
Contact Type: Not reported  
Contact Name: LANCE MCLAUGHLIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 543-2800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 12/11/2012

Site Id: 6339  
Affiliation Type: Facility Owner  
Company Name: 10-12 WEST 107TH STREET HDFC  
Contact Type: MGR  
Contact Name: LANCE MCLAUGHLIN  
Address1: 10 WEST 107TH ST  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (914) 237-1600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/30/2014

Tank Info:

Tank Number: 001  
Tank Id: 10907  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10-12 WEST 107TH STREET HDFC (Continued)

U003386918

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 11/01/1985  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/30/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

AI330  
SE  
1/8-1/4  
0.190 mi.  
1002 ft.

10 WEST 107 ST  
10 WEST 107 ST  
NYC, NY 10025  
Site 5 of 10 in cluster AI

NY AST U003395203  
NY HIST AST N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-479446  
Program Type: PBS  
UTM X: 587773.12688  
UTM Y: 4516956.4407400005  
Expiration Date: 04/28/2018  
Site Type: Apartment Building/Office Building

Actual:  
71 ft.

Affiliation Records:  
Site Id: 21350  
Affiliation Type: Facility Owner  
Company Name: 10-12 WEST 10TH STREET HDFC  
Contact Type: MGR  
Contact Name: LANCE MCLAUGHLIN  
Address1: 10-12 WEST 10TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (914) 237-1600

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10 WEST 107 ST (Continued)

U003395203

E-Mail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/12/2013

Site Id: 21350  
Affiliation Type: Mail Contact  
Company Name: H.S.C. MGMT CORP  
Contact Type: Not reported  
Contact Name: LANCE MCLAUGHLIN  
Address1: 850 BRONX RIVER  
Address2: Not reported  
City: YONKERS  
State: NY  
Zip Code: 10708  
Country Code: 001  
Phone: (914) 237-1600  
E-Mail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/30/2011

Site Id: 21350  
Affiliation Type: On-Site Operator  
Company Name: 10 WEST 107 ST  
Contact Type: Not reported  
Contact Name: GEORGE SCOTT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 443-0388  
E-Mail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/30/2011

Site Id: 21350  
Affiliation Type: Emergency Contact  
Company Name: 10-12 WEST 10TH STREET HDFC  
Contact Type: Not reported  
Contact Name: LANCE MCLAUGHLIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (914) 237-1600  
E-Mail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/30/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10 WEST 107 ST (Continued)

U003395203

Tank Info:

Tank Number: 001  
Tank Id: 38709  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/2003  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/12/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479446  
SWIS Code: 6201  
Operator: M.V.M.C.  
Facility Phone: (212) 678-4410  
Facility Addr2: 10 WEST 107 ST  
Facility Type: Not reported  
Emergency: N. PENA  
Emergency Tel: (212) 678-4410  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 10-12 WEST 10TH STREET HDFC  
Owner Address: 73 WEST 108TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 678-4410  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: N. PENA  
Mailing Name: MANHATTAN VALLEY MANAGEMENT CORPORATION  
Mailing Address: 73 WEST 108TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**10 WEST 107 ST (Continued)**

**U003395203**

Mailing Telephone: (212) 678-4410  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/07/1998  
Expiration: 04/28/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1500  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Vault (w/access)  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AF331**      **MANHATTEN VALLEY MGMT. CO.**  
**SSE**        **58 WEST 105 ST**  
**1/8-1/4**     **NEW YORK, NY 10025**  
**0.190 mi.**  
**1002 ft.**    **Site 2 of 4 in cluster AF**

**NY AST**      **U003386917**  
**NY HIST AST**    **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**102 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-195650  
Program Type: PBS  
UTM X: 587562.24607999995  
UTM Y: 4516873.6717299996  
Expiration Date: 02/03/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 6338  
Affiliation Type: Facility Owner  
Company Name: 58 WEST 105TH STREET H.D.F.C.  
Contact Type: TREASURER  
Contact Name: NICOLE RILEY.  
Address1: 58 WEST 105 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (718) 866-7686  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2014

Site Id: 6338  
Affiliation Type: Mail Contact  
Company Name: 58 WEST 105TH STREET H.D.F.C.  
Contact Type: Not reported  
Contact Name: NICOLE RILEY.  
Address1: 58 WEST 105 ST # 1B  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (718) 866-7686  
EMail: NYCNRILEY@GMAIL.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2014

Site Id: 6338  
Affiliation Type: On-Site Operator  
Company Name: 58 W 105TH ST HDFC  
Contact Type: Not reported  
Contact Name: 58 W 105TH ST HDFC  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTEN VALLEY MGMT. CO. (Continued)**

**U003386917**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 388-4365  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/28/2014

Site Id: 6338  
Affiliation Type: Emergency Contact  
Company Name: 58 WEST 105TH STREET H.D.F.C.  
Contact Type: Not reported  
Contact Name: MVDC FOR HPD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 10906  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
B99 - Tank External Protection - Other  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J01 - Dispenser - Pressurized Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
G99 - Tank Secondary Containment - Other  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1934  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTEN VALLEY MGMT. CO. (Continued)**

**U003386917**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 04/29/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-195650  
SWIS Code: 6201  
Operator: MANHATTAN VALLEY DEVELOPMENT  
Facility Phone: (212) 749-4410  
Facility Addr2: 58 WEST 105 ST  
Facility Type: APARTMENT BUILDING  
Emergency: MVDC FOR HPD  
Emergency Tel: (212) 749-4410  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 58 WEST 105TH STREET H.D.F.C.  
Owner Address: 58 WEST 105 ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 749-4410  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: MANHATTAN VALLEY MANAGEMENT CO.  
Mailing Address: 73 WEST 108TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 749-4410  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 01/28/1998  
Expiration: 02/03/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTEN VALLEY MGMT. CO. (Continued)**

**U003386917**

Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 9  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Other  
Leak Detection: 0  
Overfill Protection: 46  
Dispenser Method: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AF332**  
**SSE**  
**1/8-1/4**  
**0.190 mi.**  
**1002 ft.**

**58 WEST 105 ST**  
**58 WEST 105 ST**  
**NYC, NY 10025**  
**Site 3 of 4 in cluster AF**

**NY AST** **U003395206**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-479470  
Program Type: PBS  
UTM X: 587562.24607999995  
UTM Y: 4516873.6717299996  
Expiration Date: 01/12/1995  
Site Type: Unknown

**Actual:**  
**102 ft.**

Affiliation Records:  
Site Id: 21353  
Affiliation Type: Facility Owner  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**58 WEST 105 ST (Continued)**

**U003395206**

Site Id: 21353  
Affiliation Type: Mail Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21353  
Affiliation Type: On-Site Operator  
Company Name: 58 WEST 105 ST  
Contact Type: Not reported  
Contact Name: NYC HPD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21353  
Affiliation Type: Emergency Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: JUANITA ARSENEC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 360-7900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 38712  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**58 WEST 105 ST (Continued)**

**U003395206**

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/01/1994  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479470  
SWIS Code: 6201  
Operator: NYC HPD  
Facility Phone: (212) 806-8565  
Facility Addr2: 58 WEST 105 ST  
Facility Type: Not reported  
Emergency: JUANITA ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HPD  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NYC, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: NYC HPD  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10038  
Mailing Telephone: (212) 806-8565  
Owner Mark: First Owner  
Facility Status: 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).  
Certification Flag: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**58 WEST 105 ST (Continued)**

**U003395206**

Certification Date: 01/26/1990  
Expiration: 01/12/1995  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: Undefined  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 07/01/1994  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AI333  
ESE  
1/8-1/4  
0.191 mi.  
1009 ft.

**477 CENTRAL PARK WEST OWNERS LTD.  
477 CENTRAL PARK WEST  
NEW YORK, NY 10025**

**Site 6 of 10 in cluster AI**

**NY LTANKS U003384710  
NY AST N/A  
NY HIST AST**

**Relative:  
Lower**

LTANKS:

**Actual:  
66 ft.**

Site ID: 417132  
Spill Number/Closed Date: 0904916 / 8/25/2009  
Spill Date: 7/28/2009  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

477 CENTRAL PARK WEST OWNERS LTD. (Continued)

U003384710

Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 7/28/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/28/2009  
Spill Record Last Update: 8/25/2009  
Spiller Name: Not reported  
Spiller Company: TANK FILL LINE - BURIED OUTSIDE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: SAME AS ABOVE  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 366222  
DEC Memo: Property Manager: Buckbinder & Warren 1 Union Sq WestNYC 10003  
646-637-9019 212-243-6722.Tank was drained and squiggie cleaned -  
Tank failed tank test\*\*\*\*Unknown if there was any sort of spill, or  
if it was just a tank test Failure\*\*\*8/24/2009 - Sangesland reviewed  
a submittal from PTC. 1) Tank Test Failure2) Joints on suction/return  
lines were tightened3) Retested system now passed4) No contamination  
found  
Remarks: #4 fuel oil spilled from fill line which is buried outside under  
basement that leads to tank that is inside on concrete. Tank test  
failure. Clean up pending at this time.

Material:  
Site ID: 417132  
Operable Unit ID: 1173382  
Operable Unit: 01  
Material ID: 2165308  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AST:  
Region: STATE  
DEC Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**477 CENTRAL PARK WEST OWNERS LTD. (Continued)**

**U003384710**

Site Status: Active  
Facility Id: 2-093114  
Program Type: PBS  
UTM X: 587751  
UTM Y: 4516916  
Expiration Date: 05/07/2017  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 2442  
Affiliation Type: Facility Owner  
Company Name: 477 CENTRAL PARK WEST OWNERS LTD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: % BUCHBINDER & WARREN LLC, ONE UNION SQUARE WEST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10003  
Country Code: 001  
Phone: (212) 243-6722  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/12/2014

Site Id: 2442  
Affiliation Type: Mail Contact  
Company Name: 477 CENTRAL PARK WEST OWNERS LTD  
Contact Type: Not reported  
Contact Name: MARIA SANCHEZ  
Address1: % BUCHBINDER & WARREN LLC  
Address2: ONE UNION SQUARE WEST, 4TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10003  
Country Code: 001  
Phone: (212) 243-6722  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/12/2014

Site Id: 2442  
Affiliation Type: On-Site Operator  
Company Name: 477 CENTRAL PARK WEST OWNERS LTD.  
Contact Type: Not reported  
Contact Name: RAY WATFORD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-6017  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**477 CENTRAL PARK WEST OWNERS LTD. (Continued)**

**U003384710**

Date Last Modified: 3/20/2012

Site Id: 2442  
Affiliation Type: Emergency Contact  
Company Name: 477 CENTRAL PARK WEST OWNERS LTD  
Contact Type: Not reported  
Contact Name: MARIA SANCHEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 243-6722  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 3/6/2007

Tank Info:

Tank Number: 001  
Tank Id: 4285  
Material Code: 0008  
Common Name of Substance: Diesel

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/01/1964  
Capacity Gallons: 3000  
Tightness Test Method: 21  
Date Test: 08/21/2014  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BKFALVEY  
Last Modified: 01/02/2015  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-093114  
SWIS Code: 6201  
Operator: AMERADA HESS CORP.  
Facility Phone: (212) 243-6722

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**477 CENTRAL PARK WEST OWNERS LTD. (Continued)**

**U003384710**

Facility Addr2: 477 CENTRAL PARK WEST  
Facility Type: APARTMENT BUILDING  
Emergency: NORMAN BUCHBINDER  
Emergency Tel: (212) 243-6722  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 477 CENTRAL PARK WEST OWNERS LTD  
Owner Address: C/O BUCHBINDER-ONE UNION SQUARE  
Owner City,St,Zip: NEW YORK, NY 10003  
Federal ID: Not reported  
Owner Tel: (212) 243-6722  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: 477 CENTRAL PARK WEST OWNERS LTD  
Mailing Address: C/O BUCHBINDER  
Mailing Address 2: ONE UNION SQUARE  
Mailing City,St,Zip: NEW YORK, NY 10003  
Mailing Telephone: (212) 243-6722  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/13/1997  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

477 CENTRAL PARK WEST OWNERS LTD. (Continued)

U003384710

Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AC334  
SW  
1/8-1/4  
0.192 mi.  
1013 ft.

CON EDISON  
906 AMSTERDAM AVE  
NEW YORK, NY 10025

NY MANIFEST S117065231  
N/A

Site 5 of 6 in cluster AC

Relative:  
Higher

NY MANIFEST:

EPA ID: NYP004577706  
Country: USA  
Location Address 1: 906 AMSTERDAM AVE  
Location Address 2: SB 24513  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Actual:  
104 ft.

Mailing Info:

Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/26/2014  
Trans1 Recv Date: 06/26/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/27/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004577706  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 3500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON (Continued)**

**S117065231**

Specific Gravity: 1  
 Year: 2014  
 Manifest Tracking Num: 013254551JJK  
 Import Ind: N  
 Export Ind: N  
 Discr Quantity Ind: N  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H110

**Z335**  
**North**  
**1/8-1/4**  
**0.192 mi.**  
**1013 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**533 WEST 112TH STREET**  
**NEW YORK, NY 10025**  
**Site 5 of 8 in cluster Z**

**NY AST** **U003394430**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-453471  
 Program Type: PBS  
 UTM X: 587434.02717999998  
 UTM Y: 4517606.4540900001  
 Expiration Date: 10/14/2018  
 Site Type: Apartment Building/Office Building

**Actual:**  
**116 ft.**

Affiliation Records:  
 Site Id: 19860  
 Affiliation Type: Facility Owner  
 Company Name: TRUSTEES OF COLUMBIA UNIV.  
 Contact Type: VP  
 Contact Name: MARK KERMAN  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10027  
 Country Code: 001  
 Phone: (212) 854-2222  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 11/19/2013

Site Id: 19860  
 Affiliation Type: Mail Contact  
 Company Name: TRUSTEES OF COLUMBIA UNIV.  
 Contact Type: ASST VICE PRESIDENT  
 Contact Name: MARK KERMAN  
 Address1: 400 WEST 119TH STREET  
 Address2: Not reported  
 City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394430**

State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19860  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9427  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/19/2013

Site Id: 19860  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2275  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/12/2009

**Tank Info:**

Tank Number: 001  
Tank Id: 35669  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

**Equipment Records:**

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394430

I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/01/2008  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/12/2009  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 226900  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/09/2008  
Capacity Gallons: 3300  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/20/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394430**

PBS Number: 2-453471  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 533 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394430

Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AF336 JHJ REALTY LLC  
SSE 55 W 105TH ST  
1/8-1/4 NY, NY 10025  
0.192 mi.  
1014 ft. Site 4 of 4 in cluster AF

NY AST U003387416  
NY HIST AST N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-252263  
Program Type: PBS  
UTM X: 587583.98782000004  
UTM Y: 4516875.9276000001  
Expiration Date: 07/07/2017  
Site Type: Apartment Building/Office Building

Actual:  
101 ft.

Affiliation Records:

Site Id: 10159  
Affiliation Type: Facility Owner  
Company Name: JHJ REALTY LLC  
Contact Type: MANAGING AGENT  
Contact Name: THOMAS ROHLMAN  
Address1: PINE MGMT INC 78 MANHATTAN AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/23/2007

Site Id: 10159  
Affiliation Type: Mail Contact  
Company Name: JHJ REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: C/O PINE MGMT INC  
Address2: 78 MANHATTAN AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JHJ REALTY LLC (Continued)**

**U003387416**

City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-2114  
EMail: TOM@PINEMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/30/2012

Site Id: 10159  
Affiliation Type: On-Site Operator  
Company Name: JHJ REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/30/2012

Site Id: 10159  
Affiliation Type: Emergency Contact  
Company Name: JHJ REALTY LLC  
Contact Type: Not reported  
Contact Name: THOMAS ROHLMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2114  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 5/30/2012

Tank Info:

Tank Number: 001  
Tank Id: 11832  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JHJ REALTY LLC (Continued)**

**U003387416**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1965  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 05/30/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-252263  
SWIS Code: 6201  
Operator: ANITA SANTOS  
Facility Phone: (212) 316-2114  
Facility Addr2: 55 W 105TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: HAROLD PINE  
Emergency Tel: (212) 316-2114  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: JHJ REALTY LLC  
Owner Address: PINE MGMT INC 78 MANHATTAN AVE  
Owner City,St,Zip: NY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 316-2114  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: THOMAS ROHLMAN  
Mailing Name: JHJ REALTY LLC  
Mailing Address: C/O PINE MGMT INC  
Mailing Address 2: 78 MANHATTAN AVE  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 316-2114  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 07/07/1997  
Expiration: 07/07/2002  
Renew Flag: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**JHJ REALTY LLC (Continued)**

**U003387416**

Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

**AD337  
 NW  
 1/8-1/4  
 0.192 mi.  
 1016 ft.**

**YAT SING CLEANERS  
 2808 BROADWAY  
 NEW YORK, NY 10025  
 Site 3 of 8 in cluster AD**

**NY DRYCLEANERS 1000131886  
 N/A**

**Relative:  
 Higher**

<b>DRYCLEANERS:</b>	
Facility ID:	2-6202-01194
Phone Number:	212-865-6363
Region:	Not reported
Registration Effective Date:	3/14/2003 13:23:09:653
Inspection Date:	12JUN4
Install Date:	89/12
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

**Actual:  
 108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AD338  
NW  
1/8-1/4  
0.192 mi.  
1016 ft.

2808 BROADWAY  
NEW YORK, NY 10025

Site 4 of 8 in cluster AD

EDR US Hist Cleaners 1015033929  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: SING YAT CLEANERS CORP  
Year: 2001  
Address: 2808 BROADWAY

Name: SING YAT CLEANERS CORP  
Year: 2008  
Address: 2808 BROADWAY

Name: SING YAT CLEANERS CORP  
Year: 2010  
Address: 2808 BROADWAY

Name: YAT SING CLEANERS INC  
Year: 2011  
Address: 2808 BROADWAY

Name: YAT SING CLEANERS INC  
Year: 2012  
Address: 2808 BROADWAY

AD339  
NW  
1/8-1/4  
0.192 mi.  
1016 ft.

YAT SING CLEANERS  
2808 BROADWAY  
NEW YORK, NY 10025

Site 5 of 8 in cluster AD

RCRA NonGen / NLR 1015746472  
NY MANIFEST NYD981081722

Relative:  
Higher

RCRA NonGen / NLR:

Date form received by agency: 05/25/2012  
Facility name: YAT SING CLEANERS  
Facility address: 2808 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYD981081722  
Mailing address: BROADWAY  
NEW YORK, NY 10025  
Contact: GARY HOM  
Contact address: BROADWAY  
NEW YORK, NY 10025

Contact country: US  
Contact telephone: (212) 865-6363  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2007  
Site name: YAT SING CLEANERS  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006  
Site name: YAT SING CLEANERS  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999  
Site name: YAT SING CLEANERS  
Classification: Small Quantity Generator

Date form received by agency: 05/06/1985  
Site name: YAT SING CLEANERS  
Classification: Large Quantity Generator

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYD981081722  
Country: USA  
Location Address 1: 2808 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: YAT SING CLEANERS  
Contact: YAT SING CLEANERS  
Address: 2808 BROADWAY  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-865-6363

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000564906  
Trans2 State ID: NYF006000053  
Generator Ship Date: 07/25/2008  
Trans1 Recv Date: 07/25/2008  
Trans2 Recv Date: 07/29/2008  
TSD Site Recv Date: 07/30/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 140.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 004562143JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000564906  
Trans2 State ID: NYF006000053  
Generator Ship Date: 07/25/2008  
Trans1 Recv Date: 07/25/2008  
Trans2 Recv Date: 07/29/2008  
TSD Site Recv Date: 07/30/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 130.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 004562143JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000554906  
Trans2 State ID: MIK814262374  
Generator Ship Date: 05/14/2012  
Trans1 Recv Date: 05/14/2012  
Trans2 Recv Date: 05/18/2012  
TSD Site Recv Date: 05/18/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 120.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 009255782JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000554906  
Trans2 State ID: MIK814262374

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Generator Ship Date: 05/14/2012  
Trans1 Recv Date: 05/14/2012  
Trans2 Recv Date: 05/18/2012  
TSD Site Recv Date: 05/18/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 130.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 009255782JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: NYC7389426  
Manifest Status: Not reported  
Trans1 State ID: NYAP6277  
Trans2 State ID: T17L8DNJ  
Generator Ship Date: 08/02/2004  
Trans1 Recv Date: 08/02/2004  
Trans2 Recv Date: 08/06/2004  
TSD Site Recv Date: 08/09/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: TXR000050930  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00120  
Units: P - Pounds  
Number of Containers: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYC7353022  
Manifest Status: Not reported  
Trans1 State ID: NY94889JE  
Trans2 State ID: 713TY2NJ  
Generator Ship Date: 04/19/2004  
Trans1 Recv Date: 04/19/2004  
Trans2 Recv Date: 04/23/2004  
TSD Site Recv Date: 04/26/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: TXR000050930  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00125  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYC7272347  
Manifest Status: Not reported  
Trans1 State ID: NY94889JE  
Trans2 State ID: T367DANJ  
Generator Ship Date: 02/25/2004  
Trans1 Recv Date: 02/25/2004  
Trans2 Recv Date: 02/27/2004  
TSD Site Recv Date: 03/01/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: TXR000050930  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00390  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYC7342086  
Manifest Status: Not reported  
Trans1 State ID: NYAP6277

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Trans2 State ID: T45M7WNJ  
Generator Ship Date: 06/08/2004  
Trans1 Recv Date: 06/08/2004  
Trans2 Recv Date: 06/11/2004  
TSD Site Recv Date: 06/14/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: TXR000050930  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYC6778528  
Manifest Status: Not reported  
Trans1 State ID: NY94886JE  
Trans2 State ID: NJ0441P87  
Generator Ship Date: 08/29/2002  
Trans1 Recv Date: 08/29/2002  
Trans2 Recv Date: 09/06/2002  
TSD Site Recv Date: 09/06/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: SCR000075150  
Trans2 EPA ID: NJD071629976  
TSD ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00190  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYC6901323  
Manifest Status: Not reported  
Trans1 State ID: NY94886JE  
Trans2 State ID: 713TYL NJ  
Generator Ship Date: 12/14/2002  
Trans1 Recv Date: 12/14/2002  
Trans2 Recv Date: 12/20/2002  
TSD Site Recv Date: 12/23/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: SCR000075150

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Trans2 EPA ID: NJD071629976  
TSDF ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00100  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00190  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYC5504297  
Manifest Status: Not reported  
Trans1 State ID: NJDEP0869  
Trans2 State ID: T335LUNJ  
Generator Ship Date: 01/25/1999  
Trans1 Recv Date: 01/25/1999  
Trans2 Recv Date: 01/28/1999  
TSD Site Recv Date: 02/02/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: SCD987574647  
TSDF ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NYC5590258  
Manifest Status: Not reported  
Trans1 State ID: NJDEP0869  
Trans2 State ID: Not reported  
Generator Ship Date: 06/08/1999  
Trans1 Recv Date: 06/08/1999  
Trans2 Recv Date: 06/10/1999  
TSD Site Recv Date: 06/16/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: SCD987574647  
TSDF ID: OHD980587364

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NJA2549501  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/12/1996  
Trans1 Recv Date: 04/12/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/12/1996  
Part A Recv Date: 04/19/1996  
Part B Recv Date: 04/25/1996  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA1619597  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/20/1993  
Trans1 Recv Date: 04/20/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/20/1993  
Part A Recv Date: 04/28/1993  
Part B Recv Date: 05/03/1993  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Document ID: NJA1753648  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 09/09/1993  
Trans1 Recv Date: 09/09/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/09/1993  
Part A Recv Date: 10/19/1993  
Part B Recv Date: 09/30/1993  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00135  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1060306  
Manifest Status: Completed copy  
Trans1 State ID: 32916  
Trans2 State ID: Not reported  
Generator Ship Date: 11/01/1990  
Trans1 Recv Date: 11/01/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/01/1990  
Part A Recv Date: 11/21/1990  
Part B Recv Date: 11/15/1990  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0907728  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 06/13/1990  
Trans1 Recv Date: 06/13/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/13/1990  
Part A Recv Date: 07/30/1990  
Part B Recv Date: 06/20/1990  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0637141  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/28/1989  
Trans1 Recv Date: 04/28/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/28/1989  
Part A Recv Date: 05/04/1989  
Part B Recv Date: 05/04/1989  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0514432  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YAT SING CLEANERS (Continued)**

**1015746472**

Generator Ship Date: 11/07/1988  
Trans1 Recv Date: 11/07/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/07/1988  
Part A Recv Date: 11/09/1988  
Part B Recv Date: 11/29/1988  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

Document ID: NYA8738594  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 03/24/1988  
Trans1 Recv Date: 03/24/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/24/1988  
Part A Recv Date: 04/05/1988  
Part B Recv Date: 04/04/1988  
Generator EPA ID: NYD981081722  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

**V340** **BIG BEAR, LLC (OWNER OF APT.BLDG.)**  
**South** **101 WEST 104TH ST. (CORNER COLUMBUS AVE)**  
**1/8-1/4** **NEW YORK, NY 10025**  
**0.192 mi.**  
**1016 ft.** **Site 13 of 13 in cluster V**

**NY AST** **U004078543**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-603630  
Program Type: PBS  
UTM X: 587442.91021999996  
UTM Y: 4516862.04562  
Expiration Date: 08/25/2018

**Actual:**  
**113 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG BEAR, LLC (OWNER OF APT.BLDG.) (Continued)**

**U004078543**

Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 25540  
Affiliation Type: Facility Owner  
Company Name: BIG BEAR, LLC  
Contact Type: PARTNER  
Contact Name: MICHAEL RILEY  
Address1: 101 WEST 104TH ST. APT 1  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 666-2395  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 9/12/2013

Site Id: 25540  
Affiliation Type: Mail Contact  
Company Name: BIG BEAR, LLC  
Contact Type: Not reported  
Contact Name: JAMES LEVIN/MICHAEL RILEY  
Address1: 101 WEST 104TH STREET  
Address2: APT. 1  
City: NEW YORK  
State: NY  
Zip Code: 10025-4269  
Country Code: 001  
Phone: (212) 666-2395  
EMail: RILE2362@AOL.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 9/12/2013

Site Id: 25540  
Affiliation Type: On-Site Operator  
Company Name: BIG BEAR, LLC (OWNER OF APT.BLDG.)  
Contact Type: Not reported  
Contact Name: JAMES LEVIN/ MICHAEL RILEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2395  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 9/12/2013

Site Id: 25540  
Affiliation Type: Emergency Contact  
Company Name: BIG BEAR, LLC  
Contact Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG BEAR, LLC (OWNER OF APT.BLDG.) (Continued)**

**U004078543**

Contact Name: JAMES LEVIN/ MICHAEL RILEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-2395  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 54999  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
G00 - Tank Secondary Containment - None  
D02 - Pipe Type - Galvanized Steel  
F06 - Pipe External Protection - Wrapped  
A02 - Tank Internal Protection - Rubber Liner  
I00 - Overfill - None  
B05 - Tank External Protection - Jacketed  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
C03 - Pipe Location - Aboveground/Underground Combination  
6  
Tank Location:  
Tank Type: Concrete  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1900  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 09/12/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AG341**  
**WSW**  
**1/8-1/4**  
**0.193 mi.**  
**1019 ft.**

**CLOSED-LACKOF RECENT INFO**  
**218019 105TH AVE.**  
**NEW YORK CITY, NY**  
**Site 3 of 9 in cluster AG**

**NY LTANKS**    **S100144815**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**104 ft.**

Site ID: 198808  
 Spill Number/Closed Date: 8705931 / 3/4/2003  
 Spill Date: 10/14/1987  
 Spill Cause: Tank Test Failure  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 4101  
 Investigator: ADMIN. CLOSED  
 Referred To: Not reported  
 Reported to Dept: 10/14/1987  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/15/1987  
 Spill Record Last Update: 3/14/2003  
 Spiller Name: Not reported  
 Spiller Company: ST. JOACHIM & ANNE SCHOOL  
 Spiller Address: 218-19 105TH AVE.  
 Spiller City,St,Zip: QUEENS VILLAGE, NY  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 165457  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ADMIN.CLOSED"03/04/2003-Closed Due To The Nature / Extent Of The Spill Report  
 Remarks: 3K TANK WITH VISIBLE LEAK ON TOP OF TANK, WELLS BY MANHOLE ROTTED, TRYING TO REPLACE, CAPCO WILL REPLACE. CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID: 198808  
 Operable Unit ID: 909756  
 Operable Unit: 01  
 Material ID: 464955  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CLOSED-LACKOF RECENT INFO (Continued)**

**S100144815**

Oxygenate: False

Tank Test:  
Site ID: 198808  
Spill Tank Test: 1531918  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**AK342  
SE  
1/8-1/4  
0.194 mi.  
1023 ft.**

**467 CENTRAL PARK W  
NEW YORK, NY 10025  
Site 1 of 13 in cluster AK**

**EDR US Hist Cleaners 1015064596  
N/A**

**Relative:  
Lower**

EDR Historical Cleaners:  
Name: SEBCO LAUNDRY SYSTEMS INC  
Year: 2010  
Address: 467 CENTRAL PARK W

**Actual:  
74 ft.**

Name: SEBCO LAUNDRY SYSTEMS INC  
Year: 2011  
Address: 467 CENTRAL PARK W

**AK343  
SE  
1/8-1/4  
0.194 mi.  
1023 ft.**

**THE 467 CONDOMINIUM  
467 CENTRAL PARK WEST  
NEW YORK, NY 10025  
Site 2 of 13 in cluster AK**

**NY AST U003384708  
NY HIST AST N/A**

**Relative:  
Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-093092  
Program Type: PBS  
UTM X: 587734  
UTM Y: 4516887  
Expiration Date: 11/04/2015  
Site Type: Apartment Building/Office Building

**Actual:  
74 ft.**

Affiliation Records:  
Site Id: 2440  
Affiliation Type: Mail Contact  
Company Name: THE 467 CONDOMINIUM  
Contact Type: Not reported  
Contact Name: BARRY BENAMI  
Address1: C/O THE ARGO CORPORATION  
Address2: 50 WEST 17TH STREET  
City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE 467 CONDOMINIUM (Continued)**

**U003384708**

State: NY  
Zip Code: 10011  
Country Code: 001  
Phone: (212) 896-8600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/12/2007

Site Id: 2440  
Affiliation Type: On-Site Operator  
Company Name: THE 467 CONDOMINIUM  
Contact Type: Not reported  
Contact Name: THE ARGO CORPORATION  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 896-8600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/12/2007

Site Id: 2440  
Affiliation Type: Emergency Contact  
Company Name: THE 467 CONDO. C/O THE ARGO CO.  
Contact Type: Not reported  
Contact Name: RAMON MOJICA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 316-0030  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 2/12/2007

Site Id: 2440  
Affiliation Type: Facility Owner  
Company Name: THE 467 CONDO. C/O THE ARGO CO.  
Contact Type: PROPERTY MANAGER  
Contact Name: BARRY BENAMI  
Address1: 50 WEST 17TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10011  
Country Code: 001  
Phone: (212) 896-8600  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE 467 CONDOMINIUM (Continued)**

**U003384708**

Modified By: KXTANG  
Date Last Modified: 2/12/2007

Tank Info:

Tank Number: 001  
Tank Id: 4283  
Material Code: 0008  
Common Name of Substance: Diesel

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 11/05/1986  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 10/19/2010  
Material Name: Diesel

HIST AST:

PBS Number: 2-093092  
SWIS Code: 6201  
Operator: AMERADA HESS CORP.  
Facility Phone: (212) 243-6722  
Facility Addr2: 467 CENTRAL PARK WEST  
Facility Type: APARTMENT BUILDING  
Emergency: NORMAN BUCHBINDER  
Emergency Tel: (212) 243-6722  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: THE 467 CONDOMINIUM  
Owner Address: C/O BUCHBINDER-ONE UNION SQUARE  
Owner City,St,Zip: NEW YORK, NY 10003  
Federal ID: Not reported  
Owner Tel: (212) 243-6722

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE 467 CONDOMINIUM (Continued)**

**U003384708**

Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: THE 467 CONDOMINIUM  
Mailing Address: C/O BUCHBINDER  
Mailing Address 2: ONE UNION SQUARE  
Mailing City,St,Zip: NEW YORK, NY 10003  
Mailing Telephone: (212) 243-6722  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag: False  
Certification Date: 05/13/1997  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AJ344  
West  
1/8-1/4  
0.196 mi.  
1036 ft.

STAHL BROADWAY CO.  
225 WEST 106TH STREET  
NEW YORK, NY 00000

NY AST U003396805  
NY HIST AST N/A

Site 3 of 9 in cluster AJ

Relative:  
Higher

AST:

Actual:  
107 ft.

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-602733  
Program Type: PBS  
UTM X: 587217.45666999999  
UTM Y: 4517170.3553600004  
Expiration Date: 07/12/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 24689  
Affiliation Type: Facility Owner  
Company Name: STAHL REAL ESTATE CO.  
Contact Type: VP  
Contact Name: MARIANNE DZIUBA  
Address1: 277 PARK AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 826-7060  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/26/2011

Site Id: 24689  
Affiliation Type: Mail Contact  
Company Name: STAHL REAL ESTATE CO.  
Contact Type: Not reported  
Contact Name: MARIANNE DZIUBA  
Address1: 277 PARK AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10172  
Country Code: 001  
Phone: (212) 826-7060  
EMail: MDZIUBA@STAHLRE.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/21/2011

Site Id: 24689  
Affiliation Type: On-Site Operator  
Company Name: STAHL BROADWAY CO.  
Contact Type: Not reported  
Contact Name: MARIANNE DZIUBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STAHL BROADWAY CO. (Continued)**

**U003396805**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 826-7060  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 5/9/2006

Site Id: 24689  
Affiliation Type: Emergency Contact  
Company Name: STAHL REAL ESTATE CO.  
Contact Type: Not reported  
Contact Name: MARIANNE DZIUBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 826-7060  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 5/9/2006

Tank Info:

Tank Number: 001  
Tank Id: 51289  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/25/1967  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STAHL BROADWAY CO. (Continued)**

**U003396805**

Last Modified: 07/08/2011  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-602733  
SWIS Code: 6201  
Operator: MARIANNE DZIUBA  
Facility Phone: (212) 826-7060  
Facility Addr2: 225 W 106TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: MARIANNE DZIUBA  
Emergency Tel: (212) 826-7060  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: STAHL REAL ESTATE CO.  
Owner Address: 277 PARK AVENUE  
Owner City,St,Zip: NEW YORK, NY 10017  
Federal ID: Not reported  
Owner Tel: (212) 826-7060  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARIANNE DZIUBA  
Mailing Name: STAHL REAL ESTATE CO.  
Mailing Address: 277 PARK AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10172  
Mailing Telephone: (212) 826-7060  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/18/2001  
Expiration: 07/12/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 10000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 10000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STAHL BROADWAY CO. (Continued)**

**U003396805**

Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: 00  
Tank Containment: Not reported  
Leak Detection: 00  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**Z345**  
**North**  
**1/8-1/4**  
**0.196 mi.**  
**1036 ft.**

**TRUSTEES OF COLUMBIA UNIV**  
**539 WEST 112TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U003394442**  
**NY HIST AST** **N/A**

**Site 6 of 8 in cluster Z**

**Relative:**  
**Higher**

AST:

**Actual:**  
**116 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-453633  
Program Type: PBS  
UTM X: 587420.18438999995  
UTM Y: 4517614.1729600001  
Expiration Date: 10/14/2013  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19874  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/23/2014

Site Id: 19874  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394442**

Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19874  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DMMOLOUG  
Date Last Modified: 11/18/2013

Site Id: 19874  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35686  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV (Continued)

U003394442

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/03/1963  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/24/2013  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/14/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453633  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV  
Facility Phone: (212) 854-9300  
Facility Addr2: 539 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394442**

or not at the facility.  
 Certification Flag: False  
 Certification Date: 10/29/1998  
 Expiration: 10/14/2003  
 Renew Flag: False  
 Renew Date: Not reported  
 Total Capacity: 3000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: Minor Data Missing  
 Tank Screen: No Missing Data  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: 0  
 Tank External: 0  
 Pipe Location: Aboveground  
 Pipe Type: STEEL/IRON  
 Pipe Internal: None  
 Pipe External: 6  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 64  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: No Missing Data  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: True  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AI346  
 SE  
 1/8-1/4  
 0.197 mi.  
 1041 ft.**

**CON EDISON  
 9 W 107 ST  
 NEW YORK, NY 10025  
 Site 7 of 10 in cluster AI**

**NY MANIFEST S117317953  
 N/A**

**Relative:  
 Lower**

NY MANIFEST:  
 EPA ID: NYP004654331  
 Country: USA  
 Location Address 1: 9 W 107 ST  
 Location Address 2: SB17862  
 Location City: NEW YORK  
 Location State: NY

**Actual:  
 70 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117317953**

Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 09/11/2014  
Trans1 Recv Date: 09/11/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/16/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004654331  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002564020GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**AL347 HARLEM VALLEY**  
**ENE 282 MANHATTAN AVENUE**  
**1/8-1/4 NEW YORK, NY 10025**  
**0.197 mi.**  
**1041 ft. Site 1 of 4 in cluster AL**

**NY AST A100294314**  
**N/A**

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-609458  
Program Type: PBS  
UTM X: 587829.00882999995  
UTM Y: 4517320.0489999996  
Expiration Date: 02/17/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**39 ft.**

Affiliation Records:  
Site Id: 31302  
Affiliation Type: Facility Owner  
Company Name: HARLEM VALLEY HDFC  
Contact Type: SUP  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/4/2014

Site Id: 31302  
Affiliation Type: Mail Contact  
Company Name: MANHATTAN VALLEY HDFC  
Contact Type: Not reported  
Contact Name: GUITO LAVOILE  
Address1: 73 WEST 108TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 678-4410  
EMail: GLAVOILE@MVDC.ORG  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/4/2014

Site Id: 31302  
Affiliation Type: On-Site Operator  
Company Name: HARLEM VALLEY  
Contact Type: Not reported  
Contact Name: MANHATTAN VALLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLEM VALLEY (Continued)**

**A100294314**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/4/2014

Site Id: 31302  
Affiliation Type: Emergency Contact  
Company Name: HARLEM VALLEY  
Contact Type: Not reported  
Contact Name: NAOMI PENA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-4410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 004  
Tank Id: 67519  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
B99 - Tank External Protection - Other  
D02 - Pipe Type - Galvanized Steel  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
E02 - Piping Secondary Containment - Vault (with Access)  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/30/1982  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLEM VALLEY (Continued)**

**A100294314**

Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/04/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AL348  
ENE  
1/8-1/4  
0.197 mi.  
1041 ft.**

**APARTMENT COMPLEX  
282 MANHATTAN AVE  
MANHATTAN, NY**

**NY LTANKS S105135554  
N/A**

**Site 2 of 4 in cluster AL**

**Relative:  
Lower**

**LTANKS:**

**Actual:  
39 ft.**

Site ID: 312442  
Spill Number/Closed Date: 0106678 / 12/15/2009  
Spill Date: 9/24/2001  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: RVKETANI  
Referred To: Not reported  
Reported to Dept: 9/26/2001  
CID: 252  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 9/26/2001  
Spill Record Last Update: 12/17/2009  
Spiller Name: MARIA ALMAMZAR  
Spiller Company: APARTMENT COMPLEX  
Spiller Address: 282 MANHATTAN AVE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller County: 001  
Spiller Contact: MARIA ALMAMZAR  
Spiller Phone: (212) 678-4670  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 251939  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"10/3/03 tipple sent letter requiring documentation.10/4/05. SA. Reviewed the file. As per DEC letter dated June 25,2004, Out of 3 required work to be done, they performed only one (property managers letter dated June 29, 2004). Talked to Cheryl Lathan, property manager. Sent a letter to her on 10/05/05 requesting to provide documents regarding other 2 required works.2/6/2005: As the position of the tank is above ground and per letter dated June 1, 2004 installed new burner. This spill may closed after site visit.8/12/08: Changed Lead\_DEC field to 'unassigned'. Superintendent lives at an alternate address so I could not get in the building during my unannounced previous site visit. Misplaced contact number for supt. 10/2/09 - Austin - Spill transferred from Albany staff(Grathwahl) to Ketani, for further investigation - end10/6/09 - Raphael Ketani.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT COMPLEX (Continued)

S105135554

There are no E-docs. The spill was called in on 9/26/01 as a tank test failure due to the presence of an old epoxy patch. Crown Leak Detection (516) 939-2959 called it in. The site is a 5 story pre-war, brick veneer apartment building. The block and lot are 1846 and 59. The address is 282 Manhattan Avenue, NY. There are no alternate addresses. According to Property Shark, the site was sold by Harlem Valley Housing Development Fund Co. to Neighborhood Restorehousing Development Fund Co. on 8/14/02. The PBS is #2-609458 and shows only one 2,000 gal. AST with #2 oil that is active. Manhattan Valley Management Co. at 75 W. 108th Street, NY, 10025 (212) 678-4410 takes care of the building. I called up Manhattan Valley Mngmnt., but could only leave a voice mail for the property manager, Guito Lavoile (la-vole). There is a package of documents in the case file dated June 1, 2004 dealing with the replacement of the boiler and the burner, but it does not describe any repairs to the oil tank. There were no other documents describing work that took place. 12/15/09 - Raphael Ketani. I made an unannounced site visit and met the super., Frank Blunt (917) 662-2878. He let me into the building's lobby at the bottom of the stairs. Immediately, I noticed a moderate odor of oil vapors. The PID meter registered from 10 ppb to 30 ppb. The air was warmer than average for an unheated stairway and stagnant. We went to the tank room in the basement. The tank was inside a room of its own. It looked like a fairly recently installed tank on metal pedestals. I noticed some staining on top of the tank. Some of the staining extended along the sides, but there were no stains on the floor, except a slight stain by one pedestal. I didn't see the epoxy patch that was mentioned in the spill report (see E-docs). This looked like an intact tank. There were absolutely no odors in tank room. Next, we went to look at the boiler. It was in a small room by itself. My PID meter registered from 20 ppb to 137 ppb of vapors. However, there were no signs of leaking oil inside of the boiler room, nor were there any stains on the floor. I thanked Mr. Blunt for showing me the site and left. As there were no pools of oil on the floor of the tank room, as the epoxy patch wasn't present and was either replaced or the tank was replaced, as there were no large stains on the floor, and as there were no indications that there were any problems with the tank, except for maybe a need for some minor fitting tightening, and as the boiler was not releasing oil, I have determined that there is no threat to people or the environment. Therefore, I am closing the spill case. Additionally, I found the management company to still be Manhattan Valley Management Co., 73 W. 108th Street, NY, 10025, (212) 678-4410.

Remarks:

CALLER STATES THEY FOUND AN OLD EPOXY PATCH ON THE TANK WHICH HAS TO BE REPLACED.

Material:

Site ID: 312442  
Operable Unit ID: 843743  
Operable Unit: 01  
Material ID: 531528  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT COMPLEX (Continued)**

**S105135554**

Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 312442  
Spill Tank Test: 1526631  
Tank Number: Not reported  
Tank Size: 1080  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

**AB349  
WNW  
1/8-1/4  
0.198 mi.  
1043 ft.**

**KIM'S BROADWAY'S CLEANERS  
2785 BROADWAY  
NEW YORK, NY 10025**

**NY DRYCLEANERS S110247038  
N/A**

**Site 6 of 10 in cluster AB**

**Relative:  
Higher**

**DRYCLEANERS:**  
Facility ID: 2-6202-00224  
Phone Number: 212-663-0929  
Region: Not reported  
Registration Effective Date: 11/13/2002 09:48:17:416  
Inspection Date: 07APR19  
Install Date: 96/98  
Drop Shop: Not reported  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: Not reported

**Actual:  
108 ft.**

**AB350  
WNW  
1/8-1/4  
0.198 mi.  
1043 ft.**

**NOAM ASSOCIATES  
2785 BROADWAY  
NEW YORK, NY 10025**

**NY AST U003385941  
NY HIST AST N/A**

**Site 7 of 10 in cluster AB**

**Relative:  
Higher**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-272272  
Program Type: PBS  
UTM X: 587098.69241000002  
UTM Y: 4517347.03450000001  
Expiration Date: 09/19/2017  
Site Type: Apartment Building/Office Building

**Actual:  
108 ft.**

**Affiliation Records:**  
Site Id: 11529  
Affiliation Type: Facility Owner  
Company Name: NOAM ASSOCIATES  
Contact Type: MANAGING AGENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOAM ASSOCIATES (Continued)**

**U003385941**

Contact Name: LEONARD SOLOMON  
Address1: 936 WEST END AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-3939  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kaker  
Date Last Modified: 9/12/2007

Site Id: 11529  
Affiliation Type: Mail Contact  
Company Name: NOAM ASSOCIATES  
Contact Type: Not reported  
Contact Name: L. SOLOMON  
Address1: 936 WEST END AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 316-3939  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 11529  
Affiliation Type: On-Site Operator  
Company Name: NOAM ASSOCIATES  
Contact Type: Not reported  
Contact Name: WILLIAM LANE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 440-2082  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 10/2/2012

Site Id: 11529  
Affiliation Type: Emergency Contact  
Company Name: NOAM ASSOCIATES  
Contact Type: Not reported  
Contact Name: WILLIAM LANE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOAM ASSOCIATES (Continued)**

**U003385941**

Country Code: 999  
Phone: (917) 440-2082  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 10/2/2012

Tank Info:

Tank Number: 001  
Tank Id: 8821  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1938  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 10/02/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-272272  
SWIS Code: 6201  
Operator: SERGIO NICOLAV  
Facility Phone: (212) 666-3967  
Facility Addr2: 2785 BROADWAY  
Facility Type: APARTMENT BUILDING  
Emergency: SERGIO NICOLAV  
Emergency Tel: (212) 666-3967  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NOAM ASSOCIATES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOAM ASSOCIATES (Continued)**

**U003385941**

Owner Address: 936 WEST END AVENUE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 316-3939  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: L. SOLOMON  
Mailing Name: NOAM ASSOCIATES  
Mailing Address: 936 WEST END AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 316-3939  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 09/04/1997  
Expiration: 09/19/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NOAM ASSOCIATES (Continued)**

**U003385941**

SPDES Number: Not reported  
Lat/Long: Not reported

**AB351  
WNW  
1/8-1/4  
0.198 mi.  
1043 ft.**

**KIMS DRY CLEANING STORE  
2785 BROADWAY  
NEW YORK, NY 10025  
Site 8 of 10 in cluster AB**

**RCRA-CESQG 1000374609  
FINDS NYD981085236  
NY MANIFEST**

**Relative:  
Higher**

**RCRA-CESQG:**

**Actual:  
108 ft.**

Date form received by agency: 01/01/2007  
Facility name: KIMS DRY CLEANING STORE  
Facility address: 2785 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYD981085236  
Mailing address: BROADWAY  
NEW YORK, NY 10025  
Contact: Not reported  
Contact address: BROADWAY  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: Not reported  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: Not reported  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: KIMS DRY CLEANING STORE  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999  
Site name: KIMS DRY CLEANING STORE  
Classification: Small Quantity Generator

Date form received by agency: 07/09/1985  
Site name: KIMS DRY CLEANING STORE  
Classification: Large Quantity Generator

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110009471623

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

**AIR SYNTHETIC MINOR**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

**NY MANIFEST:**

EPA ID: NYD981085236  
Country: USA  
Location Address 1: 2785 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: KIMS CLEANERS  
Contact: JUN HWA CHUNG  
Address: 2785 BROADWAY  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-663-0929

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000564906  
Trans2 State ID: MIK814262374  
Generator Ship Date: 11/09/2009  
Trans1 Recv Date: 11/09/2009  
Trans2 Recv Date: 11/13/2009  
TSD Site Recv Date: 11/14/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 130.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 004981563JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD000564906  
Trans2 State ID: MIK814262374  
Generator Ship Date: 02/24/2009  
Trans1 Recv Date: 02/24/2009  
Trans2 Recv Date: 02/27/2009  
TSD Site Recv Date: 02/28/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 260.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 004980637JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Manifest Status: Not reported  
Trans1 State ID: NJD000564906  
Trans2 State ID: MIK814262374  
Generator Ship Date: 09/17/2009  
Trans1 Recv Date: 09/17/2009  
Trans2 Recv Date: 09/24/2009  
TSD Site Recv Date: 09/25/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: CDX107000000  
Waste Code: Not reported  
Quantity: 130.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 004981499JJK  
Import Ind: N  
Export Ind: Y  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: NJD000692061  
Generator Ship Date: 10/15/2008  
Trans1 Recv Date: 10/15/2008  
Trans2 Recv Date: 10/22/2008  
TSD Site Recv Date: 10/27/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587364  
Waste Code: Not reported  
Quantity: 300.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Manifest Tracking Num: 001290836SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: OKD981588791  
Generator Ship Date: 01/30/2008  
Trans1 Recv Date: 01/30/2008  
Trans2 Recv Date: 02/06/2008  
TSD Site Recv Date: 02/07/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587364  
Waste Code: Not reported  
Quantity: 133.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000986065SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: NJD071629976  
Generator Ship Date: 04/08/2008  
Trans1 Recv Date: 04/08/2008  
Trans2 Recv Date: 04/16/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

TSD Site Recv Date: 04/17/2008  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587364  
Waste Code: Not reported  
Quantity: 195.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 001186242SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: NJD071629976  
Generator Ship Date: 08/09/2007  
Trans1 Recv Date: 08/09/2007  
Trans2 Recv Date: 08/16/2007  
TSD Site Recv Date: 08/17/2007  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587364  
Waste Code: Not reported  
Quantity: 160  
Units: P - Pounds  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2007  
Manifest Tracking Num: 000875425SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: OKD981588791  
Generator Ship Date: 11/09/2007  
Trans1 Recv Date: 11/09/2007  
Trans2 Recv Date: 11/26/2007  
TSD Site Recv Date: 11/27/2007  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587364  
Waste Code: Not reported  
Quantity: 160  
Units: P - Pounds  
Number of Containers: 1  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2007  
Manifest Tracking Num: 000773105SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: NJD071629976  
Generator Ship Date: 05/24/2007  
Trans1 Recv Date: 05/24/2007  
Trans2 Recv Date: 06/04/2007  
TSD Site Recv Date: 06/05/2007  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

TSDF ID: OHD980587364  
Waste Code: Not reported  
Quantity: 320  
Units: P - Pounds  
Number of Containers: 2  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2007  
Manifest Tracking Num: 000497707SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: TXR000050930  
Trans2 State ID: NJD071629976  
Generator Ship Date: 02/09/2007  
Trans1 Recv Date: 02/09/2007  
Trans2 Recv Date: 02/20/2007  
TSD Site Recv Date: 02/21/2007  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: OHD980587364  
Waste Code: Not reported  
Quantity: 320  
Units: P - Pounds  
Number of Containers: 2  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 1  
Year: 2007  
Manifest Tracking Num: 000373646SKS  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H020

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Document ID: NYC7478313  
Manifest Status: Not reported  
Trans1 State ID: NYAP6277  
Trans2 State ID: OHTMZ2483  
Generator Ship Date: 12/30/2004  
Trans1 Recv Date: 12/30/2004  
Trans2 Recv Date: 01/07/2005  
TSD Site Recv Date: 01/10/2005  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: TXR000050930  
Trans2 EPA ID: Not reported  
TSD ID: OHD980587  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00390  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYC6926501  
Manifest Status: Not reported  
Trans1 State ID: NY94886JE  
Trans2 State ID: FT97539  
Generator Ship Date: 11/25/2002  
Trans1 Recv Date: 11/25/2002  
Trans2 Recv Date: 11/27/2002  
TSD Site Recv Date: 12/02/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: SCR000075150  
Trans2 EPA ID: MOD095038998  
TSD ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00190  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYC6810208  
Manifest Status: Not reported  
Trans1 State ID: NY94886JE  
Trans2 State ID: T46P8ANJ  
Generator Ship Date: 08/05/2002  
Trans1 Recv Date: 08/05/2002  
Trans2 Recv Date: 08/09/2002  
TSD Site Recv Date: 08/09/2002  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: SCR000075150  
Trans2 EPA ID: NJD071629976  
TSD ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00190  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYC5504310  
Manifest Status: Not reported  
Trans1 State ID: NJDEP0869  
Trans2 State ID: T335LUNJ  
Generator Ship Date: 01/25/1999  
Trans1 Recv Date: 01/25/1999  
Trans2 Recv Date: 01/28/1999  
TSD Site Recv Date: 02/02/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: SCD987574647  
TSD ID: OHD980587364  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NJA2517219  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEP0869  
Trans2 State ID: Not reported  
Generator Ship Date: 08/27/1996  
Trans1 Recv Date: 08/27/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 08/27/1996  
Part A Recv Date: 09/12/1996  
Part B Recv Date: 09/24/1996  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA2549504  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/12/1996  
Trans1 Recv Date: 04/12/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/12/1996  
Part A Recv Date: 04/24/1996  
Part B Recv Date: 04/25/1996  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA2230727  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 02/19/1996  
Trans1 Recv Date: 02/19/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/19/1996  
Part A Recv Date: 02/27/1996  
Part B Recv Date: 03/12/1996  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1996

Document ID: NJA1734406  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Trans2 State ID: Not reported  
Generator Ship Date: 09/09/1993  
Trans1 Recv Date: 09/09/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/09/1993  
Part A Recv Date: 10/21/1993  
Part B Recv Date: 09/30/1993  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00090  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1087420  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 12/26/1990  
Trans1 Recv Date: 12/26/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/26/1990  
Part A Recv Date: 01/22/1991  
Part B Recv Date: 01/11/1991  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0717974  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 12/04/1989  
Trans1 Recv Date: 12/04/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/04/1989  
Part A Recv Date: 12/11/1989  
Part B Recv Date: 12/07/1989  
Generator EPA ID: NYD981085236  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KIMS DRY CLEANING STORE (Continued)**

**1000374609**

Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00060  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1989

**Z352**  
**North**  
**1/8-1/4**  
**0.198 mi.**  
**1044 ft.**

**CON EDISON - SERVICE BOX 18435**  
**542 W 112 STREET AND BROADWAY**  
**NEW YORK, NY 10025**

**RCRA-LQG**  
**NY MANIFEST**  
**NJ MANIFEST**

**1014395903**  
**NYP004177788**

**Site 7 of 8 in cluster Z**

**Relative:**  
**Higher**

RCRA-LQG:

Date form received by agency: 03/23/2010

Facility name: CON EDISON - SERVICE BOX 18435  
Facility address: 542 W 112 STREET AND BROADWAY  
NEW YORK, NY 10025

EPA ID: NYP004177788  
Mailing address: 4 IRVING PLACE  
NEW YORK, NY 10003

Contact: FRANKLYN MURRAY  
Contact address: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: (212) 460-2808

Contact email: MURRAYFR@CONED.COM

EPA Region: 02

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 06/22/2009

Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 18435 (Continued)**

**1014395903**

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 06/22/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004177788  
Country: USA  
Location Address 1: 542 W 112 STREET AND BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/25/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 18435 (Continued)**

**1014395903**

Trans1 Recv Date: 06/25/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/25/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004177788  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2500.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001083624GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**NJ MANIFEST:**

EPA Id: NYP004177788  
Mail Address: 4 IRVING PLACE  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: FRANKLYN MURRAY  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

**Manifest:**

Manifest Number: 001083624GBF  
EPA ID: NYP004177788  
Date Shipped: 06/25/2009  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON - SERVICE BOX 18435 (Continued)**

**1014395903**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/25/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDf Received Waste:	06/25/2009
TSDf EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported
<b>Waste:</b>	
Manifest Year:	2009 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	2500 P

**Z353**  
**North**  
**1/8-1/4**  
**0.198 mi.**  
**1044 ft.**

**TRUSTEES OF COLUMBIA UNIV.**  
**542 WEST 112TH STREET**  
**NEW YORK, NY 10025**  
**Site 8 of 8 in cluster Z**

**NY AST**    **U003394485**  
**NY HIST AST**    **N/A**

**Relative:**  
**Higher**

**AST:**  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-453986  
 Program Type: PBS  
 UTM X: 587406.16819  
 UTM Y: 4517608.01205  
 Expiration Date: 10/14/2018  
 Site Type: Apartment Building/Office Building

**Actual:**  
**115 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394485

Affiliation Records:

Site Id: 19904  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERNAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Site Id: 19904  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19904  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19904  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394485**

Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35745  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/21/1963  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/20/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453986  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 542 WEST 112TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394485**

Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 865-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 7500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 1  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394485**

Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AM354**  
**South**  
**1/8-1/4**  
**0.198 mi.**  
**1045 ft.**

**904 COLUMBUS AVE**  
**NEW YORK, NY 10025**  
**Site 1 of 9 in cluster AM**

**EDR US Hist Cleaners 1015104629**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**113 ft.**

EDR Historical Cleaners:  
Name: ROYALE CLEANERS  
Year: 2003  
Address: 904 COLUMBUS AVE  
  
Name: ROYALE CLEANERS  
Year: 2004  
Address: 904 COLUMBUS AVE  
  
Name: TNI CLEANERS CORP  
Year: 2005  
Address: 904 COLUMBUS AVE  
  
Name: ROYALE CLEANERS  
Year: 2006  
Address: 904 COLUMBUS AVE  
  
Name: ROYALE CLEANERS  
Year: 2010  
Address: 904 COLUMBUS AVE  
  
Name: ROYALE CLEANERS  
Year: 2011  
Address: 904 COLUMBUS AVE  
  
Name: ROYALE CLEANERS  
Year: 2012  
Address: 904 COLUMBUS AVE

**AB355**  
**WNW**  
**1/8-1/4**  
**0.199 mi.**  
**1049 ft.**

**2783 BROADWAY**  
**NEW YORK, NY 10025**  
**Site 9 of 10 in cluster AB**

**EDR US Hist Cleaners 1015033322**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**108 ft.**

EDR Historical Cleaners:  
Name: A & M AUTOMATIC LAUNDRY INCORPORATED  
Year: 1999  
Address: 2783 BROADWAY  
  
Name: A & M AUTOMATIC LAUNDRY INCORPORATED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015033322

Year: 2000  
Address: 2783 BROADWAY

Name: A & M AUTOMATIC LAUNDRY INC  
Year: 2001  
Address: 2783 BROADWAY

Name: A & M AUTOMATIC LAUNDRY INC  
Year: 2002  
Address: 2783 BROADWAY

Name: A & M AUTOMATIC LAUNDRY INC  
Year: 2003  
Address: 2783 BROADWAY

Name: A & M AUTOMATIC LAUNDRY INC  
Year: 2004  
Address: 2783 BROADWAY

AB356  
WNW  
1/8-1/4  
0.199 mi.  
1051 ft.

2785 BROADWAY  
NEW YORK, NY 10025  
Site 10 of 10 in cluster AB

EDR US Hist Cleaners 1015033333  
N/A

Relative:  
Higher

EDR Historical Cleaners:  
Name: YUN & JUN DRY CLEANING  
Year: 2010  
Address: 2785 BROADWAY

Actual:  
108 ft.

AN357  
East  
1/8-1/4  
0.199 mi.  
1053 ft.

301 W 110TH ST  
NEW YORK, NY 10026  
Site 1 of 9 in cluster AN

EDR US Hist Cleaners 1015037849  
N/A

Relative:  
Lower

EDR Historical Cleaners:  
Name: DORIAN TAILORS & DRY CLEANING  
Year: 2003  
Address: 301 W 110TH ST

Name: DORIAN TAILORS & DRY CLEANING  
Year: 2004  
Address: 301 W 110TH ST

Name: Z & M CLEANERS INC  
Year: 2008  
Address: 301 W 110TH ST

Name: DORIAN TAILORS & DRY CLEANING  
Year: 2008  
Address: 301 W 110TH ST

Name: DORIAN TAILORS & DRY CLEANERS  
Year: 2010  
Address: 301 W 110TH ST

Actual:  
53 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015037849

Name: DORIAN TAYLORS & DRY CLEANERS  
Year: 2011  
Address: 301 W 110TH ST

Name: DORIAN TAYLORS & DRY CLEANERS  
Year: 2012  
Address: 301 W 110TH ST

AK358 C S WEST 107TH STREET LP  
SE 6 WEST 107TH STREET  
1/8-1/4 NEW YORK, NY 10025  
0.200 mi.  
1054 ft. Site 3 of 13 in cluster AK

NY AST A100307880  
N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-610624  
Program Type: PBS  
UTM X: 587749.49863000005  
UTM Y: 4516939.18113000004  
Expiration Date: 08/24/2010  
Site Type: Apartment Building/Office Building

Actual:  
69 ft.

Affiliation Records:  
Site Id: 385261  
Affiliation Type: Mail Contact  
Company Name: STONEHENGE MANAGEMENT LLC  
Contact Type: Not reported  
Contact Name: JAMES BUSH - VP. BUILDING OPERATIONS  
Address1: 235 WEST 48TH STREET - RP LEVEL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10036  
Country Code: 001  
Phone: (212) 750-0707  
EMail: INFO@STONEHGENY.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/1/2007

Site Id: 385261  
Affiliation Type: On-Site Operator  
Company Name: C S WEST 107TH STREET LP  
Contact Type: Not reported  
Contact Name: GERALD RIVERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 878-2077  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C S WEST 107TH STREET LP (Continued)**

**A100307880**

Date Last Modified: 8/2/2007  
  
Site Id: 385261  
Affiliation Type: Emergency Contact  
Company Name: Not reported  
Contact Type: Not reported  
Contact Name: GERALD RIVERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 878-2077  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 8/2/2007

Site Id: 385261  
Affiliation Type: Facility Owner  
Company Name: CS WEST 107TH STREET, LP  
Contact Type: VP OF BUILDING OPERATIONS  
Contact Name: JAMES BUSH  
Address1: 235 W 48TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10036  
Country Code: 001  
Phone: (212) 977-5000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/1/2007

**Tank Info:**

Tank Number: AST-01  
Tank Id: 218650  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

**Equipment Records:**

F00 - Pipe External Protection - None  
J00 - Dispenser - None  
G00 - Tank Secondary Containment - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None  
K00 - Spill Prevention - None  
H00 - Tank Leak Detection - None  
E00 - Piping Secondary Containment - None  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C S WEST 107TH STREET LP (Continued)**

**A100307880**

Tank Location: 2  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 08/24/1995  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/22/2007  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 11/01/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

**AJ359**  
**West**  
**1/8-1/4**  
**0.200 mi.**  
**1054 ft.**

**2753 BROADWAY**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners** **1015032966**  
**N/A**

**Site 4 of 9 in cluster AJ**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
Name: CENTRAL RUG & CARPET CLEANING  
Year: 2012  
Address: 2753 BROADWAY

**Actual:**  
**108 ft.**

**AI360**  
**ESE**  
**1/8-1/4**  
**0.200 mi.**  
**1057 ft.**

**4-10 WEST 108TH ST**  
**4-10 WEST 108TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100292301**  
**N/A**

**Site 8 of 10 in cluster AI**

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607983  
Program Type: PBS  
UTM X: 587786.88048000005  
UTM Y: 4517009.7918600002  
Expiration Date: 11/10/2015  
Site Type: Apartment Building/Office Building

**Actual:**  
**62 ft.**

Affiliation Records:  
Site Id: 29835  
Affiliation Type: Mail Contact  
Company Name: 4-6 WEST 108 STREET LLC  
Contact Type: OFFICER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**4-10 WEST 108TH ST (Continued)**

**A100292301**

Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/22/2010

Site Id: 29835  
Affiliation Type: On-Site Operator  
Company Name: 4-10 WEST 108TH ST  
Contact Type: Not reported  
Contact Name: ELVIR  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-5547  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/16/2007

Site Id: 29835  
Affiliation Type: Emergency Contact  
Company Name: 4-6 WEST 108 STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/16/2007

Site Id: 29835  
Affiliation Type: Facility Owner  
Company Name: 4-6 WEST 108 STREET LLC  
Contact Type: OFFICER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/22/2010

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**4-10 WEST 108TH ST (Continued)**

**A100292301**

Tank Number: 100  
Tank Id: 64066  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/1904  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 07/16/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

AK361  
SE  
1/8-1/4  
0.201 mi.  
1060 ft.

21 WEST 106TH STREET  
21 WEST 106TH STREET  
NEW YORK, NY 10025  
Site 4 of 13 in cluster AK

NY AST A100291770  
N/A

Relative:  
Lower

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-607979  
Program Type: PBS  
UTM X: 587667.01728000003  
UTM Y: 4516900.7879799996  
Expiration Date: 11/30/2015  
Site Type: Apartment Building/Office Building

Actual:  
81 ft.

Affiliation Records:  
Site Id: 29831  
Affiliation Type: Mail Contact  
Company Name: 21 WEST 106 STREET LLC  
Contact Type: Not reported  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1920  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**21 WEST 106TH STREET (Continued)**

**A100291770**

City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/16/2007

Site Id: 29831  
Affiliation Type: On-Site Operator  
Company Name: 21 WEST 106TH STREET  
Contact Type: Not reported  
Contact Name: KIURYS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 529-4088  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/22/2010

Site Id: 29831  
Affiliation Type: Emergency Contact  
Company Name: 21 WEST 106 STREET LLC  
Contact Type: Not reported  
Contact Name: ABIDIN RADONCIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 222-7100  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 7/16/2007

Site Id: 29831  
Affiliation Type: Facility Owner  
Company Name: 21 WEST 106 STREET LLC  
Contact Type: OFFICER  
Contact Name: MEIR BOUSKILA  
Address1: P.O. BOX 1919  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10116  
Country Code: 001  
Phone: (212) 564-2111  
EMail: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**21 WEST 106TH STREET (Continued)**

**A100291770**

Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 11/22/2010

Tank Info:

Tank Number: 100  
 Tank Id: 64060  
 Material Code: 0001  
 Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
 D01 - Pipe Type - Steel/Carbon Steel/Iron  
 G00 - Tank Secondary Containment - None  
 I05 - Overfill - Vent Whistle  
 J02 - Dispenser - Suction Dispenser  
 L09 - Piping Leak Detection - Exempt Suction Piping  
 B01 - Tank External Protection - Painted/Asphalt Coating  
 C01 - Pipe Location - Aboveground  
 E00 - Piping Secondary Containment - None  
 F01 - Pipe External Protection - Painted/Asphalt Coating  
 H00 - Tank Leak Detection - None  
 K00 - Spill Prevention - None

Tank Location: 3  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 10/04/1916  
 Capacity Gallons: 2500  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: NRLOMBAR  
 Last Modified: 07/16/2007  
 Material Name: #2 Fuel Oil (On-Site Consumption)

**AK362**  
**SE**  
**1/8-1/4**  
**0.201 mi.**  
**1060 ft.**

**APT BLDG**  
**21 W 106TH ST**  
**MANHATTAN, NY**  
**Site 5 of 13 in cluster AK**

**NY LTANKS** **S108764189**  
**NY Spills** **N/A**

**Relative:**  
**Lower**

LTANKS:  
 Site ID: 181162  
 Spill Number/Closed Date: 9814763 / 3/11/1999  
 Spill Date: 3/11/1999  
 Spill Cause: Tank Overfill  
 Spill Source: Private Dwelling  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: SMMARTIN

**Actual:**  
**81 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG (Continued)**

**S108764189**

Referred To: Not reported  
Reported to Dept: 3/11/1999  
CID: 257  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/11/1999  
Spill Record Last Update: 3/12/1999  
Spiller Name: JIM CAREY  
Spiller Company: CASTLE OIL CORP  
Spiller Address: 290 LOCUST AVE  
Spiller City,St,Zip: BRONX, NY 10454-001  
Spiller County: 001  
Spiller Contact: JIM CAREY  
Spiller Phone: (718) 579-3414  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 151948  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: tank overfill caller thinks it might be because of defective equipment - cleanup crew on the way

Material:

Site ID: 181162  
Operable Unit ID: 1075793  
Operable Unit: 01  
Material ID: 311437  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 0706194  
Facility Type: ER  
DER Facility ID: 237813  
Site ID: 386671  
DEC Region: 2  
Spill Date: 8/31/2007  
Spill Number/Closed Date: 0706194 / 6/11/2010  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG (Continued)**

**S108764189**

Investigator: jbvought  
Referred To: Not reported  
Reported to Dept: 8/31/2007  
CID: 27  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/1/2007  
Spill Record Last Update: 6/11/2010  
Spiller Name: Not reported  
Spiller Company: APT BLDG  
Spiller Address: 21 W 106TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 08/31/07-Vought-Off hours spill responder. Vought performed site visit and vapors throughout building. Spill caused by disconnected overhead fill line in basement that was missing one foot section due to current fill line replacement and boiler repair. Spill came out of fill and sprayed over basement including work tables and impacted boxes and drywall. Concrete floor is sealed and no pathways to subsurface. Spill also affected sump pit next to boiler. Vought spoke to super (Abidan 646-284-8385) and Hess made delivery during that day. Hess hired Eastmond who is immediately coming to clean site. 09/05/07-Vought-Called Issac (Eastmond)-Left message for Issac to send invoice to DEC. 6/11/10-Vought-After further review, spill closed by Vought as spill on concrete with no impacts to subsurface and cleanup by Eastmond Co.

Remarks: Caller reports a leak or overflow in the basement. FDNY is starting cleanup. Unk who is responsible for the spill per caller.

Material:

Site ID: 386671  
Operable Unit ID: 1143905  
Operable Unit: 01  
Material ID: 2134177  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 75  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0000968

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BLDG (Continued)**

**S108764189**

Facility Type: ER  
DER Facility ID: 237813  
Site ID: 293881  
DEC Region: 2  
Spill Date: 4/24/2000  
Spill Number/Closed Date: 0000968 / 5/5/2003  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: TJDMEEO  
Referred To: Not reported  
Reported to Dept: 4/24/2000  
CID: 252  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/24/2000  
Spill Record Last Update: 5/5/2003  
Spiller Name: CALLER  
Spiller Company: CASTLE OIL  
Spiller Address: 290 LOCUST AVE  
Spiller City,St,Zip: BRONX, NY 10454-  
Spiller Company: 001  
Contact Name: SUPER  
Contact Phone: (212) 662-6849  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEEO"5/5/03 TJDSpill cleaned by Caste personnel. No further action required.

Remarks: CALLER STATES DRIVER WAS UNABLE TO HEAR VENT ALARM WHICH SPRAYED OIL ONTO GROUND AND PLASTIC GARBAGE BAGS-SPILL HAS BEEN CLEANED UP BY CASTLE OIL.

Material:  
Site ID: 293881  
Operable Unit ID: 822679  
Operable Unit: 01  
Material ID: 289197  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: 5  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AI363  
ESE  
1/8-1/4  
0.201 mi.  
1060 ft.

**BASEMENT 3 W. 108TH ST  
3 W 108TH ST  
MANHATTAN, NY**

**NY LTANKS S108639933  
N/A**

**Site 9 of 10 in cluster AI**

**Relative:  
Lower**

LTANKS:

**Actual:  
62 ft.**

Site ID: 383784  
Spill Number/Closed Date: 0703774 / 2/29/2008  
Spill Date: 7/2/2007  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: bkfalvey  
Referred To: Not reported  
Reported to Dept: 7/2/2007  
CID: 76  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/2/2007  
Spill Record Last Update: 4/4/2008  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: ADIDIN  
Spiller Phone: (212) 564-2111  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 333212  
DEC Memo: 7/10/07 bf: Sent ttf letter to:Michelle MoralesPinnacle GroupP.O. Box 1920New York, NY 1011610/16/07 Received message from Chris Tommassello of Advanced Site Restoration. ph.:212-809-1110. Wants to discuss this case. bf10/17/07 Called him back and left message. bf10/18/07 Spoke with C. Tommassello. Tank was installed partially into rock in the basement. Borings were taken in basement, but could not be go down far (unknown depth at time of conversation). Two feet of soil was dug out and they encountered rock. Encountered rock while drilling outside building. Appears building is constructed into rock. Tank failed at holes in cradle. holes in tank at poits where tank was touching rock. He wants to place Biorem solution it into the excavation. Walls to be pressure washed. Tank is planned to be repaired and placed into service. He will send me a plan within the next few days. bf 12/18/07 Plan received on 12/3/07. Product is trapped in cracks of bedrock beneath the building. They plan on treating the unrecoverable product with BIO REM H 10. I was concerned that the treatment may push product out of other openings. They want to treat to prevent odors in the future. I recommended that they consult with the powner of the building prior to doing so. NFA. bf

Remarks:

CALLER REPORTING TANK TEST FAILURE. TEST USED WAS EZ 3 LOCATOR PLUS.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BASEMENT 3 W. 108TH ST (Continued)**

**S108639933**

STAIN ON WALL. CALLER DID NOT VISUALLY SEE ANY LOOSE PRODUCT.

Material:

Site ID: 383784  
Operable Unit ID: 1141112  
Operable Unit: 01  
Material ID: 2131292  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 383784  
Spill Tank Test: 1550952  
Tank Number: 1  
Tank Size: 3000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 7/2/2007  
Test Method: Horner EZ Check I or II

AH364  
North  
1/8-1/4  
0.201 mi.  
1061 ft.

**COLUMBIA UNIVERSITY**  
**545 WEST 112TH STREET**  
**MANHATTAN, NY**

**NY LTANKS S106124062**  
**N/A**

Site 2 of 5 in cluster AH

Relative:  
Higher

LTANKS:

Site ID: 146280  
Spill Number/Closed Date: 0312068 / 1/29/2004  
Spill Date: 1/28/2004  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 1/28/2004  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0

Actual:  
116 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**S106124062**

Date Entered In Computer: 1/28/2004  
Spill Record Last Update: 6/27/2006  
Spiller Name: DAVE  
Spiller Company: EMPIRE STATE FUEL  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: RAY LARA  
Spiller Phone: (718) 624-4842  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 124575  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"

Remarks: enrout to clean up spill. driver overfilled tank;

Material:

Site ID: 146280  
Operable Unit ID: 877310  
Operable Unit: 01  
Material ID: 568422  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AH365  
North  
1/8-1/4  
0.201 mi.  
1061 ft.

2880 BROADWAY  
AKA 545 WEST 112TH STREET  
NEW YORK, NY 10025

NY AST A100292018  
N/A

Site 3 of 5 in cluster AH

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-607800  
Program Type: PBS  
UTM X: 587373.91342  
UTM Y: 4517607.650249999  
Expiration Date: 05/31/2007  
Site Type: Unknown

Actual:  
116 ft.

Affiliation Records:

Site Id: 29652  
Affiliation Type: Facility Owner  
Company Name: COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2880 BROADWAY (Continued)**

**A100292018**

Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29652  
Affiliation Type: Mail Contact  
Company Name: COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MR. GUENTER ZAGEL  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29652  
Affiliation Type: On-Site Operator  
Company Name: 2880 BROADWAY  
Contact Type: Not reported  
Contact Name: JOSEPH GIBBS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 678-5504  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 29652  
Affiliation Type: Emergency Contact  
Company Name: COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: GUENTER ZAGEL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2880 BROADWAY (Continued)**

**A100292018**

Phone: (212) 854-9410  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 01  
Tank Id: 63534  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 280  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 02  
Tank Id: 63535  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2880 BROADWAY (Continued)**

**A100292018**

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 280  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 03  
Tank Id: 63536  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 280  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 04  
Tank Id: 63537  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2880 BROADWAY (Continued)**

**A100292018**

I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/2002  
Capacity Gallons: 280  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AE366  
ESE  
1/8-1/4  
0.201 mi.  
1063 ft.**

**SHAIO VICTOR RESIDENCE  
480 PARK AVE APT 16A  
NEW YORK, NY 10022**

**RCRA NonGen / NLR 1000912458  
FINDS NY0000777029  
NY MANIFEST**

**Site 6 of 14 in cluster AE**

**Relative:  
Lower**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: SHAIO VICTOR RESIDENCE  
Facility address: 480 PARK AVE APT 16A  
NEW YORK, NY 100221613  
EPA ID: NY0000777029  
Mailing address: PARK AVE APT 16A  
NEW YORK, NY 10022  
Contact: Not reported  
Contact address: PARK AVE APT 16A  
NEW YORK, NY 10022  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:  
61 ft.**

Owner/Operator Summary:  
Owner/operator name: VICTOR SHAIO  
Owner/operator address: 480 PARK AVE  
NEW YORK, NY 10022  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHAIO VICTOR RESIDENCE (Continued)**

**1000912458**

Owner/operator name: VICTOR SHAIO  
Owner/operator address: 480 PARK AVE  
NWE YORK, NY 10022  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: SHAIO VICTOR RESIDENCE  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: SHAIO VICTOR RESIDENCE  
Classification: Not a generator, verified

Date form received by agency: 09/15/1994  
Site name: SHAIO VICTOR RESIDENCE  
Classification: Small Quantity Generator

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004319540

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHAIO VICTOR RESIDENCE (Continued)**

**1000912458**

NY MANIFEST:

EPA ID: NY0000777029  
Country: USA  
Location Address 1: 480 PARK AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: MR SHAIO  
Contact: MR SHAIO  
Address: 480 PARK AVE  
City/State/Zip: NEW YORK, NY 10036  
Country: USA  
Phone: 000-000-0000

Manifest:

Document ID: NYB5114097  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: PD1011NY  
Trans2 State ID: Not reported  
Generator Ship Date: 10/07/1994  
Trans1 Recv Date: 10/07/1994  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/07/1994  
Part A Recv Date: / /  
Part B Recv Date: 11/04/1994  
Generator EPA ID: NY0000777029  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSDf ID: NYD077444263  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00165  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1994

AE367  
ESE  
1/8-1/4  
0.201 mi.  
1063 ft.

447/448 CENTRAL PARK WEST  
447/448 CENTRAL PARK WEST  
NEW YORK, NY 10025  
Site 7 of 14 in cluster AE

NY HIST UST U002096628  
N/A

Relative:  
Lower

HIST UST:

PBS Number: 2-602019  
SPDES Number: Not reported  
Emergency Contact: JOSHUA FRANCEL  
Emergency Telephone: (212) 480-2270  
Operator: HECTOR OCASSIO  
Operator Telephone: (212) 480-2270  
Owner Name: 447/448 CENTRAL PARK WEST

Actual:  
61 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

447/448 CENTRAL PARK WEST (Continued)

U002096628

Owner Address: 40 EXCHANGE PLACE # 1105  
Owner City,St,Zip: NEW YORK, NY 10005  
Owner Telephone: (212) 480-2270  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: Not reported  
Mailing Address: 40 EXCHANGE PLACE # 1105  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10005  
Mailing Contact: RESIDENTIAL MANAGEMENT  
Mailing Telephone: (212) 480-2270  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Addr2: Not reported  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 08/13/1999  
Expiration Date: 11/15/2004  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2

Tank Id: 01  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 5000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

447/448 CENTRAL PARK WEST (Continued)

U002096628

Date Tested: 06/01/1999  
Next Test Date: 06/01/2004  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Horner EZ Check  
Deleted: False  
Updated: True  
Lat/long: Not reported

AE368  
ESE  
1/8-1/4  
0.201 mi.  
1063 ft.

POTISMAN CLEANERS INC  
480 PARK AVE - BASEMENT  
NEW YORK, NY 10022  
Site 8 of 14 in cluster AE

RCRA NonGen / NLR  
FINDS  
NY MANIFEST

1000263033  
NYD982740805

Relative:  
Lower

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007  
Facility name: POTISMAN CLEANERS INC  
Facility address: 480 PARK AVE - BASEMENT  
STORE THRU SERVICE ENTRANCE  
NEW YORK, NY 10022  
EPA ID: NYD982740805  
Mailing address: PARK AVE - BASEMENT  
STORE THRU SERVICE ENTRANCE  
NEW YORK, NY 10022  
Contact: Not reported  
Contact address: PARK AVE - BASEMENT  
NEW YORK, NY 10022  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
61 ft.

Owner/Operator Summary:

Owner/operator name: POTISMAN CLEANER  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: POTISMAN CLEANER  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: POTISMAN CLEANERS INC  
Classification: Not a generator, verified

Date form received by agency: 05/02/1995  
Site name: POTISMAN CLEANERS INC  
Classification: Not a generator, verified

. Waste code: NONE  
. Waste name: None

Date form received by agency: 05/19/1989  
Site name: POTISMAN CLEANERS INC  
Classification: Large Quantity Generator

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: F001  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Violation Status: No violations found

**FINDS:**

Registry ID: 110004431696

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYD982740805  
Country: USA  
Location Address 1: 480 PARK AVENUE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10022  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: POTISMAN CLEANERS CORPORATION  
Contact: POTISMAN CLEANERS CORPORATION  
Address: 480 PARK AVENUE  
City/State/Zip: NEW YORK, NY 10022  
Country: USA  
Phone: 212-889-9866

**Manifest:**

Document ID: NJA1737590  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 11/04/1993  
Trans1 Recv Date: 11/04/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/04/1993  
Part A Recv Date: 11/24/1993  
Part B Recv Date: 12/03/1993  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00050  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Document ID: NJA1330155  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 11/08/1991  
Trans1 Recv Date: 11/08/1991  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/08/1991  
Part A Recv Date: / /  
Part B Recv Date: 11/19/1991  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00095  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1991

Document ID: NJA1621409  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 03/25/1993  
Trans1 Recv Date: 03/25/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/25/1993  
Part A Recv Date: 04/02/1993  
Part B Recv Date: 04/13/1993  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1651069  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 01/20/1993  
Trans1 Recv Date: 01/20/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/20/1993  
Part A Recv Date: 02/02/1993

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Part B Recv Date: 02/02/1993  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1547250  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/13/1993  
Trans1 Recv Date: 05/13/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/13/1993  
Part A Recv Date: 05/26/1993  
Part B Recv Date: 06/02/1993  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA0716860  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 12/08/1989  
Trans1 Recv Date: 12/08/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/08/1989  
Part A Recv Date: 12/12/1989  
Part B Recv Date: 12/27/1989  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA1100289  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 09/14/1990  
Trans1 Recv Date: 09/14/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/14/1990  
Part A Recv Date: 10/04/1990  
Part B Recv Date: 09/20/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00097  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1325545  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 02/27/1992  
Trans1 Recv Date: 02/27/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/27/1992  
Part A Recv Date: 03/06/1992  
Part B Recv Date: 03/12/1992  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA0903196  
Manifest Status: Completed after the designated time period for a TSD ID to get a copy to the DEC  
Trans1 State ID: 000000000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Trans2 State ID: 000000000  
Generator Ship Date: 06/29/1990  
Trans1 Recv Date: 06/29/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/29/1990  
Part A Recv Date: 08/06/1990  
Part B Recv Date: 07/16/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1409094  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/22/1992  
Trans1 Recv Date: 04/22/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/22/1992  
Part A Recv Date: / /  
Part B Recv Date: 06/03/1992  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00100  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA1449572  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/29/1992  
Trans1 Recv Date: 05/29/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/29/1992  
Part A Recv Date: / /  
Part B Recv Date: 06/15/1992  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA0922475  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 07/26/1990  
Trans1 Recv Date: 07/26/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/26/1990  
Part A Recv Date: 08/21/1990  
Part B Recv Date: 08/24/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1063623  
Manifest Status: Completed copy  
Trans1 State ID: 032922  
Trans2 State ID: Not reported  
Generator Ship Date: 10/17/1990  
Trans1 Recv Date: 10/17/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/17/1990  
Part A Recv Date: 10/29/1990  
Part B Recv Date: 10/29/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTISMAN CLEANERS INC (Continued)

1000263033

Year: 1990

Document ID: NJA0796702  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/03/1990  
Trans1 Recv Date: 05/03/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/03/1990  
Part A Recv Date: 06/18/1990  
Part B Recv Date: 06/20/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0618786  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 07/24/1989  
Trans1 Recv Date: 07/24/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/24/1989  
Part A Recv Date: 08/04/1989  
Part B Recv Date: 07/31/1989  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00390  
Units: P - Pounds  
Number of Containers: 002  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Document ID: NJA1376141  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 02/05/1992  
Trans1 Recv Date: 02/05/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/05/1992  
Part A Recv Date: 02/24/1992  
Part B Recv Date: 02/20/1992  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA0734976  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 02/08/1990  
Trans1 Recv Date: 02/08/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/08/1990  
Part A Recv Date: 02/20/1990  
Part B Recv Date: 03/07/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0729937  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/19/1989  
Trans1 Recv Date: 10/19/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/19/1989  
Part A Recv Date: 10/25/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Part B Recv Date: 10/30/1989  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0795477  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 04/16/1990  
Trans1 Recv Date: 04/16/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/16/1990  
Part A Recv Date: 05/21/1990  
Part B Recv Date: 05/02/1990  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00140  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1081436  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 12/07/1990  
Trans1 Recv Date: 12/07/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/07/1990  
Part A Recv Date: 01/11/1991  
Part B Recv Date: 01/15/1991  
Generator EPA ID: NYD982740805  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POTISMAN CLEANERS INC (Continued)**

**1000263033**

Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

**AE369**  
**ESE**  
**1/8-1/4**  
**0.201 mi.**  
**1063 ft.**

**480 PARK AVENUE CORPORATION**  
**480 PARK AVENUE**  
**NEW YORK, NY 10022**  
**Site 9 of 14 in cluster AE**

**NY AST** **U003385244**  
**N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-393835  
Program Type: PBS  
UTM X: 586952.35361999995  
UTM Y: 4512889.0232100002  
Expiration Date: 05/07/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**61 ft.**

Affiliation Records:

Site Id: 18895  
Affiliation Type: Facility Owner  
Company Name: 480 PARK AVENUE CORPORATION  
Contact Type: COMPLAINCE COORDINATOR  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 480 PARK AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10022  
Country Code: 001  
Phone: (212) 370-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/15/2012

Site Id: 18895  
Affiliation Type: Mail Contact  
Company Name: DOULGAS ELLIMAN PROP MGMT  
Contact Type: Not reported  
Contact Name: PATRICIA PETTWAY-BROWN  
Address1: 675 THIRD AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 370-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 3/15/2012

Site Id: 18895

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**480 PARK AVENUE CORPORATION (Continued)**

**U003385244**

Affiliation Type: On-Site Operator  
Company Name: 480 PARK AVENUE CORPORATION  
Contact Type: Not reported  
Contact Name: JIM PURCELL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 752-8022  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18895  
Affiliation Type: Emergency Contact  
Company Name: 480 PARK AVENUE CORPORATION  
Contact Type: Not reported  
Contact Name: JIM PURCELL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 752-8022  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 5392  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**480 PARK AVENUE CORPORATION (Continued)**

**U003385244**

Pipe Model: Not reported  
Install Date: 12/01/1979  
Capacity Gallons: 20000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 03/15/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

**AE370  
ESE  
1/8-1/4  
0.201 mi.  
1063 ft.**

**POTISMAN CLEANERS INC.  
480 PARK AVENUE  
NEW YORK, NY 10022**

**NY DRYCLEANERS**

**S110247662  
N/A**

**Site 10 of 14 in cluster AE**

**Relative:  
Lower**

**DRYCLEANERS:**

Facility ID: ---  
Phone Number: Not reported  
Region: 2  
Registration Effective Date: ???  
Inspection Date: Not reported  
Install Date: Not reported  
Drop Shop: Not reported  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: ???

**Actual:  
61 ft.**

**AJ371  
West  
1/8-1/4  
0.201 mi.  
1063 ft.**

**2751 BROADWAY  
NEW YORK, NY 10025**

**EDR US Hist Auto Stat**

**1015383116  
N/A**

**Site 5 of 9 in cluster AJ**

**Relative:  
Higher**

**EDR Historical Auto Stations:**

Name: GWB TOWING & AUTO REPAIR  
Year: 2010  
Address: 2751 BROADWAY

Name: GWB TOWING & AUTO REPAIR  
Year: 2011  
Address: 2751 BROADWAY

Name: GWB TOWING & AUTO REPAIR  
Year: 2012  
Address: 2751 BROADWAY

**Actual:  
108 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AC372  
SW  
1/8-1/4  
0.203 mi.  
1070 ft.

CONSOLIDATED EDISON  
904 AMSTERDAM ST  
NEW YORK, NY

NY MANIFEST S109825649  
N/A

Site 6 of 6 in cluster AC

Relative:  
Higher

NY MANIFEST:

EPA ID: NYP004179628  
Country: USA  
Location Address 1: 904 AMSTERDAM ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Actual:  
104 ft.

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/24/2009  
Trans1 Recv Date: 06/24/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/24/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004179628  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 000961140GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**S109825649**

Mgmt Method Type Code: H111

**AJ373**  
**West**  
**1/8-1/4**  
**0.203 mi.**  
**1073 ft.**

**2749 BROADWAY**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners** **1015032852**  
**N/A**

**Site 6 of 9 in cluster AJ**

**Relative:**  
**Higher**

EDR Historical Cleaners:

**Actual:**  
**107 ft.**

Name: MARCEL CLEANERS  
Year: 2003  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2005  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2006  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2008  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2010  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2011  
Address: 2749 BROADWAY

Name: MARCEL CLEANERS  
Year: 2012  
Address: 2749 BROADWAY

**AM374**  
**South**  
**1/8-1/4**  
**0.204 mi.**  
**1078 ft.**

**SHAW REALTY CO LLC**  
**111-117 WEST 104TH ST**  
**NEW YORK, NY 10025**

**NY TANKS** **S107785354**  
**NY HIST AST** **N/A**

**Site 2 of 9 in cluster AM**

**Relative:**  
**Higher**

TANKS:

**Actual:**  
**112 ft.**

Facility Id: 2-606822  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 08/23/2016  
UTM X: 587382.73227000004  
UTM Y: 4516861.2301700003

HIST AST:

PBS Number: 2-606822  
SWIS Code: 6201

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHAW REALTY CO LLC (Continued)**

**S107785354**

Operator: SHAW REALTY CO  
Facility Phone: (212) 749-3280  
Facility Addr2: 115 WEST 104TH STREET  
Facility Type: STORAGE TERMINAL/PETROLEUM DISTRIBUTOR  
Emergency: JUAN ORTA  
Emergency Tel: (212) 866-1138  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SHAW REALTY CO LLC (A.S. WAX)  
Owner Address: 3143 BROADWAY SUITE 2A  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 749-3280  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: ARNOLD S. WAX  
Mailing Name: SHAW REALTY CO LLC  
Mailing Address: 3143 BROADWAY SUITE 2A  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK,, NY 10027  
Mailing Telephone: (212) 749-3280  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/24/2001  
Expiration: 08/23/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 01  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Aboveground  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHAW REALTY CO LLC (Continued)**

**S107785354**

Tank Containment: Not reported  
Leak Detection: Not reported  
Overfill Protection: Not reported  
Dispenser Method: Not reported  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AK375  
SE  
1/8-1/4  
0.205 mi.  
1081 ft.**

**13-19 DUKE ELLINGTON BLVD. HDFC  
17 WEST 106 STREET  
NEW YORK, NY 10025**

**NY AST A100129040  
N/A**

**Site 6 of 13 in cluster AK**

**Relative:  
Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-455253  
Program Type: PBS  
UTM X: 587712.54284000001  
UTM Y: 4516906.9831800004  
Expiration Date: 12/28/2013  
Site Type: Apartment Building/Office Building

**Actual:  
80 ft.**

Affiliation Records:

Site Id: 20017  
Affiliation Type: Facility Owner  
Company Name: 13-19 DUKE ELLINGTON BLVD. HDFC  
Contact Type: VP  
Contact Name: DEBORAH CARABALLAOSO  
Address1: 15 WEST 106TH STREET #0  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 749-8623  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/17/2011

Site Id: 20017  
Affiliation Type: Mail Contact  
Company Name: 13-19 DUKE ELLINGTON BLVD. HDFC  
Contact Type: Not reported  
Contact Name: DEBORAH CARABALLAOSO  
Address1: 15 WEST 106TH STREET #0  
Address2: Not reported  
City: NEW YORK  
State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

13-19 DUKE ELLINGTON BLVD. HDFC (Continued)

A100129040

Zip Code: 10025  
Country Code: 001  
Phone: (212) 749-8623  
EMail: CUNDI@AOL.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/17/2011

Site Id: 20017  
Affiliation Type: On-Site Operator  
Company Name: 13-19 DUKE ELLINGTON BLVD. HDFC  
Contact Type: Not reported  
Contact Name: HECTOR MORENO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-5990  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 20017  
Affiliation Type: Emergency Contact  
Company Name: 13-19 DUKE ELLINGTON BLVD. HDFC  
Contact Type: Not reported  
Contact Name: DEBORAH CARABALLOSO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 749-8623  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/17/2011

Tank Info:

Tank Number: 001  
Tank Id: 37435  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

13-19 DUKE ELLINGTON BLVD. HDFC (Continued)

A100129040

J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/01/1984  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 11/17/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

AE376  
ESE  
1/8-1/4  
0.205 mi.  
1083 ft.

CONSOLIDATED EDISON  
CENTRAL PK W & 109TH ST  
NEW YORK, NY 10003

NY MANIFEST 1009239543  
N/A

Site 11 of 14 in cluster AE

Relative:  
Lower

NY MANIFEST:  
EPA ID: NYP004062642  
Country: USA  
Location Address 1: CENTRAL PK W & 109TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10003  
Location Zip Code 4: Not reported

Actual:  
60 ft.

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0511668  
Manifest Status: Not reported  
Trans1 State ID: 28190AU  
Trans2 State ID: Not reported  
Generator Ship Date: 09/14/2000  
Trans1 Recv Date: 09/14/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/15/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004062642  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONSOLIDATED EDISON (Continued)

1009239543

TSDF ID: NYD980593636  
Waste Code: D018 - BENZENE 0.5 MG/L TCLP  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2000

Document ID: NYE0230927  
Manifest Status: Not reported  
Trans1 State ID: 28190AU  
Trans2 State ID: Not reported  
Generator Ship Date: 09/14/2000  
Trans1 Recv Date: 09/14/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/15/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004062642  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00131  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2000

AE377  
ESE  
1/8-1/4  
0.205 mi.  
1083 ft.

CON EDISON SERVICE BOX: 29559  
CENTRAL PARK WEST & W 109TH ST  
NEW YORK, NY 10025  
Site 12 of 14 in cluster AE

RCRA NonGen / NLR 1016454912  
FINDS NYP004337473  
NY MANIFEST

Relative:  
Lower

RCRA NonGen / NLR:

Date form received by agency: 08/30/2013  
Facility name: CON EDISON SERVICE BOX: 29559  
Facility address: CENTRAL PARK WEST & W 109TH ST  
NEW YORK, NY 10025  
EPA ID: NYP004337473  
Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
60 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 29559 (Continued)**

**1016454912**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/30/2013  
Site name: CON EDISON SERVICE BOX: 29559  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056495181

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004337473  
Country: USA  
Location Address 1: WS CPW 115' NO 109 ST  
Location Address 2: SB #29559  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 29559 (Continued)**

**1016454912**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/30/2013  
Trans1 Recv Date: 07/30/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/01/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004337473  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011695514JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AE378  
ESE  
1/8-1/4  
0.205 mi.  
1083 ft.**

**CON EDISION - MH29557  
W.109 ST. AND C.P.W. W.109 ST.  
NEW YORK, NY 10003**

**RCRA NonGen / NLR 1007207677  
NY MANIFEST NYP004072914**

**Site 13 of 14 in cluster AE**

**Relative:  
Lower**

RCRA NonGen / NLR:

Date form received by agency: 06/02/2002

Facility name: CON EDISION - MH29557

Facility address: W.109 ST. AND C.P.W. W.109 ST.

NEW YORK, NY 10003

EPA ID: NYP004072914

Mailing address: IRVING PLACE

NEW YORK, NY 10003

Contact: ANTHONY DRUMMINGS

Contact address: IRVING PLACE

NEW YORK, NY 10003

Contact country: US

Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:  
60 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISION - MH29557 (Continued)**

**1007207677**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/01/2002  
Site name: CON EDISION - MH29557  
Classification: Not a generator, verified

Date form received by agency: 05/31/2002  
Site name: CON EDISION - MH29557  
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004072914  
Country: USA  
Location Address 1: W 109TH ST & CENTRAL PARK W  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: CTF0810688  
Manifest Status: Not reported  
Trans1 State ID: 13014MASS  
Trans2 State ID: Not reported  
Generator Ship Date: 02/02/2001  
Trans1 Recv Date: 02/02/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/02/2001  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISION - MH29557 (Continued)**

**1007207677**

Part B Recv Date: Not reported  
Generator EPA ID: NYP004072914  
Trans1 EPA ID: MAD039322250  
Trans2 EPA ID: Not reported  
TSD ID: CTD000604488  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00004  
Units: Y - Cubic yards\* (.85 tons)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2001

**AE379**  
**ESE**  
**1/8-1/4**  
**0.206 mi.**  
**1087 ft.**

**485 CPW OWNERS CORPOATION**  
**485 CENTRAL PARK WEST**  
**NY, NY 10025**

**NY AST** **U003391952**  
**N/A**

**Site 14 of 14 in cluster AE**

**Relative:**  
**Lower**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-404454  
Program Type: PBS  
UTM X: 587764  
UTM Y: 4516939  
Expiration Date: 10/15/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**61 ft.**

**Affiliation Records:**  
Site Id: 19456  
Affiliation Type: Facility Owner  
Company Name: 485 CPW OWNERS CORPOATION  
Contact Type: AS AGENT  
Contact Name: GREGROY DELANEY  
Address1: 307 7TH AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 317-1423  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/14/2012

Site Id: 19456  
Affiliation Type: Mail Contact  
Company Name: BLUE WOODS MGMT  
Contact Type: Not reported  
Contact Name: GREGORY DELANEY  
Address1: 307 7TH AVE  
Address2: SUITE 604  
City: NEW YORK CITY  
State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**485 CPW OWNERS CORPOATION (Continued)**

**U003391952**

Zip Code: 10001  
Country Code: 001  
Phone: (212) 645-7333  
EMail: GDELANEY@BLUEWOODSMGMT.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/14/2012

Site Id: 19456  
Affiliation Type: On-Site Operator  
Company Name: 485 CPW OWNERS CORPOATION  
Contact Type: Not reported  
Contact Name: 485 CENTRAL PARK E. MARZAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 865-3186  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 19456  
Affiliation Type: Emergency Contact  
Company Name: 485 CPW OWNERS CORPOATION  
Contact Type: Not reported  
Contact Name: 485 CENTRAL PARK W CORP  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 645-7333  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/14/2012

Tank Info:

Tank Number: 001  
Tank Id: 22983  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**485 CPW OWNERS CORPOATION (Continued)**

**U003391952**

J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/1983  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

**AI380  
ESE  
1/8-1/4  
0.206 mi.  
1087 ft.**

**479 CENTRAL PARK W  
NEW YORK, NY 10025**

**EDR US Hist Auto Stat 1015513309  
N/A**

**Site 10 of 10 in cluster AI**

**Relative:  
Lower**

EDR Historical Auto Stations:

Name: LOONEE 24 HR AUTO CUSTOMIZING  
Year: 2003

**Actual:  
61 ft.**

Address: 479 CENTRAL PARK W

Name: ACC CAR CARE CTR  
Year: 2004  
Address: 479 CENTRAL PARK W

Name: LOONEE 24 HR AUTOMTV CUSTOM  
Year: 2010  
Address: 479 CENTRAL PARK W

**AD381  
WNW  
1/8-1/4  
0.206 mi.  
1089 ft.**

**CON ED  
2807 BROADWAY  
NEW YORK, NY 10025**

**NY MANIFEST S113918561  
N/A**

**Site 6 of 8 in cluster AD**

**Relative:  
Higher**

NY MANIFEST:

EPA ID: NYP004345980  
Country: USA  
Location Address 1: 2807 BROADWAY  
Location Address 2: SERV BOX 27698  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:  
107 ft.**

Mailing Info:

Name: CON ED  
Contact: TOM TEELING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON ED (Continued)**

**S113918561**

Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

NY MANIFEST:  
No Manifest Records Available

AD382  
WNW  
1/8-1/4  
0.207 mi.  
1093 ft.

**300 WEST 108 OWNERS CORP**  
**300 WEST 108TH ST**  
**NEW YORK, NY 10025**  
**Site 7 of 8 in cluster AD**

**NY AST U003383412**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-045195  
Program Type: PBS  
UTM X: 587113.83828999999  
UTM Y: 4517400.6144700004  
Expiration Date: 12/02/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**106 ft.**

Affiliation Records:

Site Id: 547  
Affiliation Type: Facility Owner  
Company Name: 300 W 108 OWNERS CORP  
Contact Type: PROPERTY MANAGER  
Contact Name: RACHEL FINKELSTEIN  
Address1: 306 FIFTH AVE-4TH FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 736-6200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/8/2011

Site Id: 547  
Affiliation Type: Mail Contact  
Company Name: 300 W 108 OWNERS CORP  
Contact Type: Not reported  
Contact Name: RACHEL FINKELSTEIN  
Address1: C/O THE ARGO CORPORATION  
Address2: 50 WEST 17TH STREET  
City: NEW YORK  
State: NY  
Zip Code: 10011  
Country Code: 001  
Phone: (212) 896-8600  
EMail: RACHELF@ARGO.COM  
Fax Number: Not reported  
Modified By: BVCAMPBE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 108 OWNERS CORP (Continued)**

**U003383412**

Date Last Modified: 11/8/2011  
  
Site Id: 547  
Affiliation Type: On-Site Operator  
Company Name: 300 WEST 108 OWNERS CORP  
Contact Type: Not reported  
Contact Name: FRANCISCO VARGAS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-2257  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 11/7/2006

Site Id: 547  
Affiliation Type: Emergency Contact  
Company Name: 300 W 108 OWNERS CORP  
Contact Type: Not reported  
Contact Name: FRANCISCO VARGAS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 316-2257  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 11/7/2006

**Tank Info:**

Tank Number: 011  
Tank Id: 1416  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

**Equipment Records:**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E02 - Piping Secondary Containment - Vault (with Access)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 108 OWNERS CORP (Continued)**

**U003383412**

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/1979  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 11/08/2011  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-045195  
SWIS Code: 6201  
Operator: FRANCISCO VARGAS  
Facility Phone: (212) 316-2257  
Facility Addr2: 300 WEST 108TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: FRANCISCO VARGAS  
Emergency Tel: (212) 316-2257  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 300 W 108 OWNERS CORP  
Owner Address: 306 FIFTH AVE-4TH FL  
Owner City,St,Zip: NEW YORK, NY 10001  
Federal ID: Not reported  
Owner Tel: (212) 736-6200  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: FREDERICK LEE REAL ESTATE  
Mailing Name: 300 W 108 OWNERS CORP  
Mailing Address: 306 FIFTH AVE-4TH FL  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10001  
Mailing Telephone: (212) 736-6200  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 12/21/2001  
Expiration: 12/02/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 7500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**300 WEST 108 OWNERS CORP (Continued)**

**U003383412**

Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 011  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 7500  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AD383**  
**WNW**  
**1/8-1/4**  
**0.207 mi.**  
**1093 ft.**

**300 WEST 108 OWNERS CORP**  
**300 W 108TH ST**  
**NEW YORK, NY 10025**  
**Site 8 of 8 in cluster AD**

**RCRA NonGen / NLR** **1004761518**  
**FINDS** **NYR000087684**  
**NY MANIFEST**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
 Date form received by agency: 01/01/2007  
 Facility name: 300 WEST 108 OWNERS CORP  
 Facility address: 300 W 108TH ST  
 NEW YORK, NY 10025  
 EPA ID: NYR000087684  
 Mailing address: W 108TH ST  
 NEW YORK, NY 10025  
 Contact: STANLEY JARGILO  
 Contact address: W 108TH ST  
 NEW YORK, NY 10025  
 Contact country: US  
 Contact telephone: (718) 486-7582  
 Contact email: Not reported  
 EPA Region: 02  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**106 ft.**

Owner/Operator Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 108 OWNERS CORP (Continued)**

**1004761518**

Owner/operator name: 300 WEST 108 OWNERS CORP  
Owner/operator address: 300 W 108TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 736-6200  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: 300 WEST 108 OWNERS CORP  
Owner/operator address: 300 W 108TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 736-6200  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: 300 WEST 108 OWNERS CORP  
Classification: Not a generator, verified

Date form received by agency: 07/06/2000  
Site name: 300 WEST 108 OWNERS CORP  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004563204

Environmental Interest/Information System  
RCRAInfo is a national information system that supports the Resource

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 108 OWNERS CORP (Continued)**

**1004761518**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYR000087684  
Country: USA  
Location Address 1: 300 W 108TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: J E ENVIRONMENTAL  
Contact: CHRIS KWAPISIEWICZ  
Address: 300 W 108TH ST  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 718-486-7582

Manifest:

Document ID: NYG2571147  
Manifest Status: Not reported  
Trans1 State ID: 68235AL  
Trans2 State ID: Not reported  
Generator Ship Date: 07/10/2000  
Trans1 Recv Date: 07/10/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/11/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000087684  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00600  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM384** 119 & 121 WEST 104TH ST., LLC  
**South** 119 WEST 104TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.207 mi.**  
**1094 ft.** Site 3 of 9 in cluster AM

**NY AST** **A100300977**  
**N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**111 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606978  
Program Type: PBS  
UTM X: 587365.23878999997  
UTM Y: 4516870.7936100001  
Expiration Date: 08/14/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 28833  
Affiliation Type: Mail Contact  
Company Name: 119 & 121 WEST 104TH ST., LLC  
Contact Type: OWNER  
Contact Name: MARK SCHARFMAN  
Address1: 111 N. CENTRAL PARK AVE. SUITE 400  
Address2: Not reported  
City: HARTSDALE  
State: NY  
Zip Code: 10530  
Country Code: 001  
Phone: (914) 997-2435  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/31/2011

Site Id: 28833  
Affiliation Type: On-Site Operator  
Company Name: 119 & 121 WEST 104TH ST., LLC  
Contact Type: Not reported  
Contact Name: TEOFILO ENCARNACION  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (914) 438-9769  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/31/2011

Site Id: 28833  
Affiliation Type: Emergency Contact  
Company Name: 119 & 121 WEST 104TH ST., LLC  
Contact Type: Not reported  
Contact Name: HANY RAMIREZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**119 & 121 WEST 104TH ST., LLC (Continued)**

**A100300977**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (914) 438-7020  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/31/2011

Site Id: 28833  
Affiliation Type: Facility Owner  
Company Name: 119 & 121 WEST 104TH ST., LLC  
Contact Type: OWNER  
Contact Name: MARK SCHARFMAN  
Address1: 111 N. CENTRAL PARK AVE. SUITE 400  
Address2: Not reported  
City: HARTSDALE  
State: NY  
Zip Code: 10530  
Country Code: 001  
Phone: (914) 997-2435  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/31/2011

Tank Info:

Tank Number: 001  
Tank Id: 62125  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/29/1992  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**119 & 121 WEST 104TH ST., LLC (Continued)**

**A100300977**

Modified By: DXLIVING  
Last Modified: 03/02/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AK385**  
**SE**  
**1/8-1/4**  
**0.208 mi.**  
**1096 ft.**

**D-E-B-H-D-F-C CO-OP.**  
**15 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 7 of 13 in cluster AK**

**NY AST** **A100166631**  
**N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-602336  
Program Type: PBS  
UTM X: 587718.57331999997  
UTM Y: 4516903.61302999997  
Expiration Date: 07/13/2010  
Site Type: Apartment Building/Office Building

**Actual:**  
**79 ft.**

Affiliation Records:

Site Id: 24293  
Affiliation Type: Facility Owner  
Company Name: D-E-B-H-D-F-C CO-OP.  
Contact Type: PRESIDENT  
Contact Name: LON FONTAINE  
Address1: 15 WEST 106TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-4915  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 6/1/2005

Site Id: 24293  
Affiliation Type: Mail Contact  
Company Name: D-E-B-H-D-F-C CO-OP.  
Contact Type: Not reported  
Contact Name: MR. L. FONTAINE  
Address1: 15 WEST 106TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-4915  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 24293  
Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D-E-B-H-D-F-C CO-OP. (Continued)

A100166631

Company Name: D-E-B-H-D-F-C CO-OP.  
Contact Type: Not reported  
Contact Name: L. FONTAINE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-4915  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 24293  
Affiliation Type: Emergency Contact  
Company Name: D-E-B-H-D-F-C CO-OP.  
Contact Type: Not reported  
Contact Name: L. FONTAINE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-4915  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 49822  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D-E-B-H-D-F-C CO-OP. (Continued)

A100166631

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

AO386  
NW  
1/8-1/4  
0.208 mi.  
1098 ft.

2823 BROADWAY  
NEW YORK, NY 10025  
Site 1 of 5 in cluster AO

EDR US Hist Cleaners 1015034291  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: LA MODE GOLD STAR CLEANERS I INC  
Year: 2005  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS I  
Year: 2006  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS INC  
Year: 2007  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS I  
Year: 2008  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS 1  
Year: 2010  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS 1 INC  
Year: 2011  
Address: 2823 BROADWAY

Name: LA MODE GOLD STAR CLEANERS 1 INC  
Year: 2012  
Address: 2823 BROADWAY

AL387  
ENE  
1/8-1/4  
0.208 mi.  
1099 ft.

CONSOLIDATED EDISON  
MANHATTAN AVE & W 112 OPEXCAV  
NEW YORK, NY 10033  
Site 3 of 4 in cluster AL

NY MANIFEST 1009242503  
N/A

Relative:  
Lower

NY MANIFEST:

EPA ID: NYP004116158  
Country: USA  
Location Address 1: MANHATTAN AVE & W 112 OPEXCAV  
Location Address 2: Not reported  
Location City: NEW YORK

Actual:  
38 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009242503**

Location State: NY  
Location Zip Code: 10033  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

**Manifest:**

Document ID: NYE1559367  
Manifest Status: Not reported  
Trans1 State ID: 96591JE  
Trans2 State ID: Not reported  
Generator Ship Date: 11/03/2003  
Trans1 Recv Date: 11/03/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/07/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004116158  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: D006 - CADMIUM 1.0 MG/L TCLP  
Quantity: 00050  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2003

**AP388**  
**SW**  
**1/8-1/4**  
**0.209 mi.**  
**1101 ft.**

**CON EDISON - SERVICE BOX 17473**  
**W 104 ST AND AMSTERDAM AVE**  
**NEW YORK, NY 10025**

**RCRA-LQG 1014396471**  
**NY MANIFEST NYP004187571**  
**NJ MANIFEST**

**Site 1 of 10 in cluster AP**

**Relative:**  
**Higher**

**RCRA-LQG:**

Date form received by agency: 03/23/2010  
Facility name: CON EDISON - SERVICE BOX 17473  
Facility address: W 104 ST AND AMSTERDAM AVE  
NEW YORK, NY 10025  
EPA ID: NYP004187571  
Mailing address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Contact: FRANKLYN MURRAY  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-2808  
Contact email: MURRAYFR@CONED.COM  
EPA Region: 02

**Actual:**  
**104 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17473 (Continued)**

**1014396471**

Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/28/2009  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/28/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17473 (Continued)**

**1014396471**

NY MANIFEST:

EPA ID: NYP004187571  
Country: USA  
Location Address 1: W 104 ST AND AMSTERDAM AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/2009  
Trans1 Recv Date: 07/28/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/28/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004187571  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2500.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001084178GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

NJ MANIFEST:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17473 (Continued)**

**1014396471**

EPA Id: NYP004187571  
Mail Address: 4 IRVING PLACE  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: FRANKLYN MURRAY  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 001084178GBF  
EPA ID: NYP004187571  
Date Shipped: 07/28/2009  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/28/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSD Received Waste: 07/28/2009  
TSD EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17473 (Continued)**

**1014396471**

Waste:

Manifest Year: 2009 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111  
Quantity: 2500 P

**AQ389  
WNW  
1/8-1/4  
0.210 mi.  
1110 ft.**

**BORAY ESTATES  
300 W 107TH STREET  
NEW YORK, NY 10025**

**NY AST U003388359  
NY HIST AST N/A**

**Site 1 of 4 in cluster AQ**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-270482  
Program Type: PBS  
UTM X: 587071.58245999995  
UTM Y: 4517335.0579000004  
Expiration Date: 07/10/2017  
Site Type: Apartment Building/Office Building

**Actual:  
109 ft.**

Affiliation Records:

Site Id: 11369  
Affiliation Type: Facility Owner  
Company Name: BORAY ESTATES, CO., LLC  
Contact Type: MANAGING AGENT  
Contact Name: MURRAY ROSENBAUM  
Address1: 300 WEST 107TH STREET  
Address2: Not reported  
City: NEW YORK CITY  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-8374  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/6/2007

Site Id: 11369  
Affiliation Type: Mail Contact  
Company Name: BORAY ESTATES CO., LLC  
Contact Type: Not reported  
Contact Name: MURRAY ROSENBAUM  
Address1: STATION C  
Address2: P.O. BOX 670423  
City: FLUSHING  
State: NY  
Zip Code: 11367  
Country Code: 001  
Phone: (516) 792-9500  
EMail: MROSENBAUM@SNDLTD.COM  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORAY ESTATES (Continued)**

**U003388359**

Modified By: DXLIVING  
Date Last Modified: 4/6/2007  
  
Site Id: 11369  
Affiliation Type: On-Site Operator  
Company Name: BORAY ESTATES CO., LLC  
Contact Type: Not reported  
Contact Name: STEPHEN YORE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-8632  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 4/6/2007

Site Id: 11369  
Affiliation Type: Emergency Contact  
Company Name: BORAY ESTATES  
Contact Type: Not reported  
Contact Name: MURRAY ROSENBAUM  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 263-2097  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

**Tank Info:**

Tank Number: 123  
Tank Id: 13808  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
G99 - Tank Secondary Containment - Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORAY ESTATES (Continued)**

**U003388359**

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1960  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 09/27/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-270482  
SWIS Code: 6201  
Operator: SEAN YORE  
Facility Phone: (212) 662-8632  
Facility Addr2: 300 W 107TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: ARIE ROSENBAUM  
Emergency Tel: (718) 263-1749  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: BORAY ESTATES  
Owner Address: 300 WEST 107TH STREET  
Owner City,St,Zip: NEW YORK CITY, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 663-8374  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: BORAY STATES  
Mailing Name: BORAY ESTATES  
Mailing Address: 300 WEST 107TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK CITY, NY 10025  
Mailing Telephone: (718) 263-1749  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/18/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BORAY ESTATES (Continued)**

**U003388359**

Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 123  
 Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 1,2, OR 4 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Other  
 Leak Detection: 9  
 Overfill Protection: 4  
 Dispenser Method: Gravity  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AK390**  
**SE**  
 1/8-1/4  
 0.211 mi.  
 1112 ft.

**13 WEST 106 ST**  
**13 WEST 106 ST**  
**NYC, NY 10025**

**NY AST** **U003395204**  
**NY HIST AST** **N/A**

**Site 8 of 13 in cluster AK**

**Relative:**  
**Lower**

AST:  
 Region: STATE  
 DEC Region: 2  
 Site Status: Inactive  
 Facility Id: 2-479454  
 Program Type: PBS  
 UTM X: 587724.60380000004  
 UTM Y: 4516900.2428799998  
 Expiration Date: 01/12/1995  
 Site Type: Unknown

**Actual:**  
**79 ft.**

Affiliation Records:  
 Site Id: 21351  
 Affiliation Type: Facility Owner  
 Company Name: NYC HPD  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 75 MAIDEN LANE  
 Address2: Not reported  
 City: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

13 WEST 106 ST (Continued)

U003395204

State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21351  
Affiliation Type: Mail Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 75 MAIDEN LANE  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10038  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/16/2004

Site Id: 21351  
Affiliation Type: On-Site Operator  
Company Name: 13 WEST 106 ST  
Contact Type: Not reported  
Contact Name: NYC HPD  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 806-8565  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21351  
Affiliation Type: Emergency Contact  
Company Name: NYC HPD  
Contact Type: Not reported  
Contact Name: JUANITA ARSENEC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 360-7900  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**13 WEST 106 ST (Continued)**

**U003395204**

Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 38710  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
C00 - Pipe Location - No Piping  
J02 - Dispenser - Suction Dispenser  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 01/01/1999  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-479454  
SWIS Code: 6201  
Operator: NYC HPD  
Facility Phone: (212) 806-8565  
Facility Addr2: 13 WEST 106 ST  
Facility Type: Not reported  
Emergency: JUANITA ARSENEC  
Emergency Tel: (212) 360-7900  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: NYC HPD  
Owner Address: 75 MAIDEN LANE  
Owner City,St,Zip: NYC, NY 10038  
Federal ID: Not reported  
Owner Tel: (212) 806-8565  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

13 WEST 106 ST (Continued)

U003395204

Mailing Name: NYC HPD  
Mailing Address: 75 MAIDEN LANE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NYC, NY 10038  
Mailing Telephone: (212) 806-8565  
Owner Mark: First Owner  
Facility Status: 3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).  
  
Certification Flag: False  
Certification Date: 01/26/1990  
Expiration: 01/12/1995  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: Undefined  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 01/01/1999  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AK391** **UPWEST LLC**  
**SE** **471/473/473/474/475 CENTRAL PARK WEST**  
**1/8-1/4** **NEW YORK, NY 10025**  
**0.212 mi.**  
**1119 ft.** **Site 9 of 13 in cluster AK**

**NY AST** **U003391242**  
**NY HIST AST** **N/A**

**Relative:**  
**Lower**

AST:

**Actual:**  
**68 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-335878  
Program Type: PBS  
UTM X: 587740.89089000004  
UTM Y: 4516898.4983799998  
Expiration Date: 10/02/2007  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 16035  
Affiliation Type: Facility Owner  
Company Name: UPWEST CO  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 474 CENTRAL PARK W  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 749-3440  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 16035  
Affiliation Type: Mail Contact  
Company Name: UPWEST LLC  
Contact Type: Not reported  
Contact Name: MR. KHAN MUSTAFA  
Address1: 474 CENTRAL PARK WEST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 749-3440  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/26/2014

Site Id: 16035  
Affiliation Type: On-Site Operator  
Company Name: UPWEST LLC  
Contact Type: Not reported  
Contact Name: CRUZ A. TAVAREZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPWEST LLC (Continued)**

**U003391242**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-3440  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 16035  
Affiliation Type: Emergency Contact  
Company Name: UPWEST CO  
Contact Type: Not reported  
Contact Name: MR. KHAN MUSTAFA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-4788  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 21024  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 4  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPWEST LLC (Continued)**

**U003391242**

Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-335878  
SWIS Code: 6201  
Operator: CRUZ A. TAVAREZ  
Facility Phone: (212) 749-3440  
Facility Addr2: 472 CENTRAL PARK WEST  
Facility Type: Not reported  
Emergency: MR. KHAN MUSTAFA  
Emergency Tel: (212) 866-4788  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: UPWEST CO  
Owner Address: 474 CENTRAL PARK W  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 749-3440  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: MR. KHAN MUSTAFA  
Mailing Name: UPWEST LLC  
Mailing Address: 474 CENTRAL PARK W  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Telephone: (212) 749-3440  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/07/1997  
Expiration: 10/02/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND 10% OR MORE BELOW GROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPWEST LLC (Continued)**

**U003391242**

Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**AK392  
SE  
1/8-1/4  
0.212 mi.  
1119 ft.**

**JOBMAN 478/480 LP  
478 CENTRAL PARK WEST  
NEW YORK, NY 10025**

**NY AST U004076403  
N/A**

**Site 10 of 13 in cluster AK**

**Relative:  
Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-146110  
Program Type: PBS  
UTM X: 587804  
UTM Y: 4517009  
Expiration Date: 09/19/2017  
Site Type: Apartment Building/Office Building

**Actual:  
68 ft.**

Affiliation Records:  
Site Id: 4222  
Affiliation Type: Facility Owner  
Company Name: JOBMAN 478/480 LP C/O MANN REALTY ASSOC  
Contact Type: PROPERTY MANAGER  
Contact Name: ELIZABETH RIVERA  
Address1: 1776 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 477-0000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/2/2012

Site Id: 4222  
Affiliation Type: Mail Contact  
Company Name: JOBMAN 478/480 LP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOBMAN 478/480 LP (Continued)**

**U004076403**

Contact Type: Not reported  
Contact Name: DAMARIS RAMIREZ  
Address1: MANN REALTY ASSOC.  
Address2: 1776 BROADWAY, 23RD FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 977-0000  
EMail: DAMARIS@MANNREALTY.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/2/2012

Site Id: 4222  
Affiliation Type: On-Site Operator  
Company Name: JOBMAN 478/480 LP  
Contact Type: Not reported  
Contact Name: RAMAZAN BESHIRI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 477-0000  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/2/2012

Site Id: 4222  
Affiliation Type: Emergency Contact  
Company Name: JOBMAN 478/480 LP  
Contact Type: Not reported  
Contact Name: ELIZABETH RIVERA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (347) 723-8402  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 7/17/2007

Tank Info:

Tank Number: 001  
Tank Id: 19117  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JOBMAN 478/480 LP (Continued)**

**U004076403**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/21/1957  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 08/02/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

**AM393**  
**South**  
**1/8-1/4**  
**0.212 mi.**  
**1119 ft.**

**CON EDISON - SERVICE BOX 17489**  
**W 104 ST AND COLUMBUS AVE**  
**NEW YORK, NY 10025**

**RCRA-LQG 1014396498**  
**NY MANIFEST NYP004188108**  
**NJ MANIFEST**

**Site 4 of 9 in cluster AM**

**Relative:**  
**Higher**

RCRA-LQG:

Date form received by agency: 03/23/2010

Facility name: CON EDISON - SERVICE BOX 17489

Facility address: W 104 ST AND COLUMBUS AVE

NEW YORK, NY 10025

EPA ID: NYP004188108

Mailing address: 4 IRVING PLACE

NEW YORK, NY 10003

Contact: FRANKLYN MURRAY

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 460-2808

Contact email: MURRAYFR@CONED.COM

EPA Region: 02

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17489 (Continued)**

**1014396498**

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/29/2009  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/29/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Historical Generators:

Date form received by agency: 07/29/2009  
Site name: CON EDISON  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004188108  
Country: USA  
Location Address 1: W 104 ST AND COLUMBUS AVE  
Location Address 2: Not reported  
Location City: NEW YORK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17489 (Continued)**

**1014396498**

Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: CONSOLIDATED EDISON  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/29/2009  
Trans1 Recv Date: 07/29/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/29/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004188108  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 5000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001084348GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

NJ MANIFEST:

EPA Id: NYP004188108  
Mail Address: 4 IRVING PLACE  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: FRANKLYN MURRAY  
Comments: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17489 (Continued)**

**1014396498**

SIC Code:	Not reported
County:	NY061
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDf Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported
Manifest:	
Manifest Number:	001084348GBF
EPA ID:	NYP004188108
Date Shipped:	07/29/2009
TSDf EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/29/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDf Received Waste:	07/29/2009
TSDf EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported
Waste:	
Manifest Year:	2009 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	5000 P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AO394  
NW  
1/8-1/4  
0.212 mi.  
1120 ft.

WOOLWORTH CORP  
2831 BROADWAY  
NEW YORK, NY 10025

Site 2 of 5 in cluster AO

RCRA NonGen / NLR  
FINDS  
NY MANIFEST

1004760484  
NYR000046516

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
111 ft.

Date form received by agency: 01/01/2007  
Facility name: WOOLWORTH CORP  
Facility address: 2831 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYR000046516  
Mailing address: MANATEE AVE W  
BRADENTON, NY 342069609  
Contact: DANIEL RIVERS  
Contact address: MANATEE AVE W  
BRADENTON, NY 342069609  
Contact country: US  
Contact telephone: (516) 352-7466  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WOOLWORTH  
Owner/operator address: 1839 GILFORD AVE  
NEW HYDE PARK, NY 11040  
Owner/operator country: US  
Owner/operator telephone: (516) 352-7466  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: WOOLWORTH  
Owner/operator address: 1839 GILFORD AVE  
NEW HYDE PARK, NY 11040  
Owner/operator country: US  
Owner/operator telephone: (516) 352-7466  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOOLWORTH CORP (Continued)**

**1004760484**

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: WOOLWORTH CORP  
Classification: Not a generator, verified

Date form received by agency: 11/03/1997  
Site name: WOOLWORTH CORP  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D009  
. Waste name: MERCURY

Violation Status: No violations found

FINDS:

Registry ID: 110004538322

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYR000046516  
Country: USA  
Location Address 1: 2831 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: WOOLWORTH CORP  
Contact: DANIEL RIVERS  
Address: 313 MANATEE AVE W  
City/State/Zip: BRADENTON, FL 34206  
Country: USA  
Phone: 516-352-7466

Manifest:

Document ID: NYB7166061  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: PC4340  
Trans2 State ID: NYPA056  
Generator Ship Date: 11/17/1997  
Trans1 Recv Date: 11/17/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WOOLWORTH CORP (Continued)**

**1004760484**

Trans2 Recv Date: 11/25/1997  
TSD Site Recv Date: 11/26/1997  
Part A Recv Date: / /  
Part B Recv Date: 01/21/1998  
Generator EPA ID: NYR000046516  
Trans1 EPA ID: NYN20002A272  
Trans2 EPA ID: PAD014146179  
TSD ID: CT5000001495  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00800  
Units: P - Pounds  
Number of Containers: 026  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1997

**AP395  
SW  
1/8-1/4  
0.212 mi.  
1121 ft.**

**206 WEST 104TH ST  
206 WEST 104TH ST  
NEW YORK, NY 10025  
Site 2 of 10 in cluster AP**

**NY AST U003388508  
NY HIST AST N/A**

**Relative:  
Higher  
Actual:  
103 ft.**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-252697  
Program Type: PBS  
UTM X: 587175.95317999995  
UTM Y: 4516990.78765999999  
Expiration Date: 07/25/2017  
Site Type: Apartment Building/Office Building  
  
Affiliation Records:  
Site Id: 10194  
Affiliation Type: Mail Contact  
Company Name: 206 WEST 104TH STREET LLC C/O LIGHT HOUSE PROP  
Contact Type: Not reported  
Contact Name: LOUISA LITTLE  
Address1: 640 FIFTH AVE 3RD FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 265-2280  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/3/2012  
  
Site Id: 10194  
Affiliation Type: On-Site Operator  
Company Name: 206 WEST 104TH ST  
Contact Type: Not reported  
Contact Name: LEONARDO MEIJA  
Address1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**206 WEST 104TH ST (Continued)**

**U003388508**

Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 665-1036  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/3/2012

Site Id: 10194  
Affiliation Type: Emergency Contact  
Company Name: 206 WEST 104TH STREET LLC C/O LIGHT HOUSE PROP  
Contact Type: Not reported  
Contact Name: LEONARDO MEIJA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 665-1039  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/3/2012

Site Id: 10194  
Affiliation Type: Facility Owner  
Company Name: 206 WEST 104TH STREET LLC C/O LIGHT HOUSE PROP  
Contact Type: VP  
Contact Name: LOUISA LITTLE  
Address1: 640 FIFTH AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 265-2280  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/3/2012

Tank Info:

Tank Number: 001  
Tank Id: 14161  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**206 WEST 104TH ST (Continued)**

**U003388508**

I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
H05 - Tank Leak Detection - In-Tank System (ATG)  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1921  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 05/15/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-252697  
SWIS Code: 6201  
Operator: SOLIL MGT  
Facility Phone: (212) 265-2280  
Facility Addr2: 206 WEST 104TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: MARTIN OHARA  
Emergency Tel: (718) 898-2292  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: PROMINENCE REALTY  
Owner Address: 640 FIFTH AVENUE 3RD FLOOR  
Owner City,St,Zip: NEW YORK, NY 10019  
Federal ID: Not reported  
Owner Tel: (212) 265-2280  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: PROMINENCE REALTY  
Mailing Address: 640 FIFTH AVENUE 3RD FLOOR  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10019  
Mailing Telephone: (212) 265-2280  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 07/25/1997  
Expiration: 07/14/2002  
Renew Flag: False  
Renew Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**206 WEST 104TH ST (Continued)**

**U003388508**

Total Capacity: 3000  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2

Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 3000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: Not reported  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Diking  
 Leak Detection: 4  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AP396  
 SW  
 1/8-1/4  
 0.213 mi.  
 1122 ft.**

**209 CONDOMINIUM  
 209 WEST 104TH STREET  
 NEW YORK, NY 10025  
 Site 3 of 10 in cluster AP**

**NY UST U000398506  
 NY HIST UST N/A**

**Relative:  
 Higher**

UST:  
 Id/Status: 2-195006 / Active  
 Program Type: PBS  
 Region: STATE  
 DEC Region: 2  
 Expiration Date: 07/07/2017  
 UTM X: 587172.56174000003  
 UTM Y: 4517006.51278000005  
 Site Type: Apartment Building/Office Building

**Actual:  
 103 ft.**

Affiliation Records:  
 Site Id: 6279  
 Affiliation Type: Facility Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 CONDOMINIUM (Continued)**

**U000398506**

Company Name: 209 CONDOMINIUM  
Contact Type: AGENT/ASST. SEC.  
Contact Name: LOUIS SANDBERG  
Address1: 209 WEST 104TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 268-0494  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/5/2014

Site Id: 6279  
Affiliation Type: Mail Contact  
Company Name: 209 CONDOMINIUM  
Contact Type: Not reported  
Contact Name: LOUIS SANDBERG  
Address1: SANDBERG MANAGEMENT  
Address2: 345 7TH AVENUE, 8TH FL  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 268-0494  
EMail: LOUIS@SANDBERGMGMT.COM  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/5/2014

Site Id: 6279  
Affiliation Type: On-Site Operator  
Company Name: THE 209 WEST CONDOMINIUM  
Contact Type: Not reported  
Contact Name: STACEY RAMIREZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 280-8897  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 6/5/2007

Site Id: 6279  
Affiliation Type: Emergency Contact  
Company Name: 209 CONDOMINIUM  
Contact Type: Not reported  
Contact Name: LOUIS SANDBERG  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 CONDOMINIUM (Continued)**

**U000398506**

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 268-0494  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 8/5/2014

Tank Info:

Tank Number: 001  
Tank ID: 10849  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 4000  
Install Date: 04/06/1987  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21  
Date Test: 06/24/2014  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: BKFALVEY  
Last Modified: 08/06/2014

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-195006  
SPDES Number: Not reported  
Emergency Contact: MARY JANE HILLMEYER  
Emergency Telephone: (212) 986-0001  
Operator: DAVID PREGO  
Operator Telephone: (212) 666-2646  
Owner Name: AKAM ASSOCIATES - MENAGING AGENT  
Owner Address: 420 LEXINGTON AVENUE, SUITE 1420  
Owner City,St,Zip: NY, NY 10170  
Owner Telephone: (212) 986-0001  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Name: 209 CONDOMINIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 CONDOMINIUM (Continued)**

**U000398506**

Mailing Address: C/O AKAM ASSOCIATES  
Mailing Address 2: 420 LEXINGOTN AVENUE, SUITE 1420  
Mailing City,St,Zip: NEW YORK, NY 10170  
Mailing Contact: MARY JANE HILLMEYER  
Mailing Telephone: (212) 986-0001  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: 209 WEST 104TH ST  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: Not reported  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 01/12/2000  
Expiration Date: 07/07/2002  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**209 CONDOMINIUM (Continued)**

**U000398506**

Updated: False  
Lat/long: Not reported

**AO397  
NW  
1/8-1/4  
0.213 mi.  
1126 ft.**

**RITE AID #4186  
2833 BROADWAY  
NEW YORK, NY 10025**

**RCRA-LQG 1014927068  
NY MANIFEST NYR000188581**

**Site 3 of 5 in cluster AO**

**Relative:  
Higher**

RCRA-LQG:

**Actual:  
111 ft.**

Date form received by agency: 02/28/2014  
Facility name: RITE AID #4186  
Facility address: 2833 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYR000188581  
Mailing address: HUNTER LN  
CAMP HILL, PA 17011  
Contact: STEPHANIE A CAIATI  
Contact address: HUNTER LN  
CAMP HILL, PA 17011  
Contact country: US  
Contact telephone: (717) 730-8225  
Contact email: SSCAIATI@RITEAID.COM  
EPA Region: 02  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: RITE AID OF NEW YORK INC  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011  
Owner/operator country: US  
Owner/operator telephone: (717) 761-2633  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 02/03/1996  
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011  
Owner/operator country: US  
Owner/operator telephone: (717) 761-2633  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 02/03/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 02/03/1996  
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011

Owner/operator country: US  
Owner/operator telephone: (717) 761-2633  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 02/03/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: P001  
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,  
WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &  
SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS
- . Waste code: B007
- . Waste name: B007

Historical Generators:

Date form received by agency: 05/10/2013

Site name: RITE AID #4186

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
  
- . Waste code: P075
- . Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-(S)-, & SALTS

Date form received by agency: 11/04/2011

Site name: RITE AID #4186

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

. Waste code: D024  
. Waste name: M-CRESOL  
  
. Waste code: P001  
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%  
  
. Waste code: P075  
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYR000188581  
Country: USA  
Location Address 1: 2833 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: RITE AID #4186  
Contact: RITE AID  
Address: 2833 BROADWAY  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-663-3135

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 08/20/2014  
Trans1 Recv Date: 08/20/2014  
Trans2 Recv Date: 08/26/2014  
TSD Site Recv Date: 08/28/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: RID040098352  
Waste Code: Not reported  
Quantity: 1  
Units: P - Pounds  
Number of Containers: 1  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 007215472FLE  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 05/29/2014  
Trans1 Recv Date: 05/29/2014  
Trans2 Recv Date: 06/05/2014  
TSD Site Recv Date: 06/11/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 0.01  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427588FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 05/29/2014  
Trans1 Recv Date: 05/29/2014  
Trans2 Recv Date: 06/05/2014  
TSD Site Recv Date: 06/11/2014  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 13  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427588FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 03/07/2014  
Trans1 Recv Date: 03/07/2014  
Trans2 Recv Date: 03/10/2014  
TSD Site Recv Date: 03/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 0.01  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427401FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 11/11/2014  
Trans1 Recv Date: 11/11/2014  
Trans2 Recv Date: 11/13/2014  
TSD Site Recv Date: 11/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: RID040098352  
Waste Code: Not reported  
Quantity: 96  
Units: P - Pounds  
Number of Containers: 7  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 007259842FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 08/20/2014  
Trans1 Recv Date: 08/20/2014  
Trans2 Recv Date: 08/26/2014  
TSD Site Recv Date: 08/28/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: RID040098352  
Waste Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Quantity: 0.01  
Units: P - Pounds  
Number of Containers: 1  
Container Type: BA - Burlap, plastic, paper bags  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 007215472FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 11/11/2014  
Trans1 Recv Date: 11/11/2014  
Trans2 Recv Date: 11/13/2014  
TSD Site Recv Date: 11/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: RID040098352  
Waste Code: Not reported  
Quantity: 11  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 007259842FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	11/11/2014
Trans1 Recv Date:	11/11/2014
Trans2 Recv Date:	11/13/2014
TSD Site Recv Date:	11/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000188581
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSD ID:	RID040098352
Waste Code:	Not reported
Quantity:	0.01
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	007259842FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CTD983872698
Trans2 State ID:	NJR000063677
Generator Ship Date:	11/11/2014
Trans1 Recv Date:	11/11/2014
Trans2 Recv Date:	11/13/2014
TSD Site Recv Date:	11/18/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000188581
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSD ID:	RID040098352
Waste Code:	Not reported
Quantity:	11
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Year: 2014  
Manifest Tracking Num: 007259842FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 03/07/2014  
Trans1 Recv Date: 03/07/2014  
Trans2 Recv Date: 03/10/2014  
TSD Site Recv Date: 03/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 14  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427401FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 2.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875895FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H050

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/10/2012  
Trans1 Recv Date: 10/10/2012  
Trans2 Recv Date: 10/16/2012  
TSD Site Recv Date: 10/19/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 2.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005429022FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/10/2012  
Trans1 Recv Date: 10/10/2012  
Trans2 Recv Date: 10/16/2012  
TSD Site Recv Date: 10/19/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 22.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005429022FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/10/2012  
Trans1 Recv Date: 10/10/2012  
Trans2 Recv Date: 10/16/2012  
TSD Site Recv Date: 10/19/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Trans2 EPA ID: Not reported  
TSDF ID: INR000110197  
Waste Code: Not reported  
Quantity: 5.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005429022FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 01/10/2012  
Trans1 Recv Date: 01/10/2012  
Trans2 Recv Date: 01/13/2012  
TSD Site Recv Date: 01/24/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: INR000110197  
Waste Code: Not reported  
Quantity: 2.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 004698613FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012  
Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 13.0  
Units: P - Pounds  
Number of Containers: 3.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875895FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H121

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012  
Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 5.0  
Units: P - Pounds  
Number of Containers: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875895FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/01/2013  
Trans1 Recv Date: 10/01/2013  
Trans2 Recv Date: 10/02/2013  
TSD Site Recv Date: 10/07/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 15  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005065774FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Trans2 State ID: NJR000063677  
Generator Ship Date: 04/13/2013  
Trans1 Recv Date: 04/13/2013  
Trans2 Recv Date: 04/15/2013  
TSD Site Recv Date: 04/24/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 1  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 006296123FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 12/13/2013  
Trans1 Recv Date: 12/13/2013  
Trans2 Recv Date: 12/18/2013  
TSD Site Recv Date: 12/30/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188581  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 12  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005411214FLE  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4186 (Continued)**

**1014927068**

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

**AK398  
SE  
1/8-1/4  
0.213 mi.  
1127 ft.**

**CON EDISON  
11 W 106TH ST  
NEW YORK, NY 10025  
Site 11 of 13 in cluster AK**

**NY MANIFEST S117061350  
N/A**

**Relative:  
Lower**

NY MANIFEST:  
EPA ID: NYP004536504  
Country: USA  
Location Address 1: 11 W 106TH ST  
Location Address 2: SB 17731  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:  
78 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 05/19/2014  
Trans1 Recv Date: 05/19/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/20/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004536504  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON (Continued)

S117061350

Year: 2014  
Manifest Tracking Num: 002422184GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

AJ399  
WSW  
1/8-1/4  
0.213 mi.  
1127 ft.

248 W 105 ST  
248 WEST 105TH STREET  
NEW YORK, NY 10025

NY AST A100166608  
N/A

Site 7 of 9 in cluster AJ

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-481033  
Program Type: PBS  
UTM X: 587073.48635999998  
UTM Y: 4517137.4614300001  
Expiration Date: 03/01/2015  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:  
Site Id: 21491  
Affiliation Type: Mail Contact  
Company Name: LIMESTONE ASSOCIATES LLC  
Contact Type: Not reported  
Contact Name: FRED SHALOM  
Address1: % EMPIRE MANAGEMENT  
Address2: 347 FIFTH AVENUE, SUITE 1600  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: STEVEFAIRLINE@GMAIL.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/16/2014

Site Id: 21491  
Affiliation Type: On-Site Operator  
Company Name: 248 WEST 105TH STREET  
Contact Type: Not reported  
Contact Name: EDIN VELOVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

248 W 105 ST (Continued)

A100166608

Zip Code: Not reported  
Country Code: 001  
Phone: (646) 379-0043  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 21491  
Affiliation Type: Emergency Contact  
Company Name: LIMESTONE ASSOC.  
Contact Type: Not reported  
Contact Name: STEVEN KURLANDER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 21491  
Affiliation Type: Facility Owner  
Company Name: LIMESTONE ASSOCIATES LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 347 FIFTH AVE, STE 1600  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/16/2014

Tank Info:

Tank Number: 001  
Tank Id: 39120  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E01 - Piping Secondary Containment - Diking (Aboveground)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

248 W 105 ST (Continued)

A100166608

I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/29/1942  
Capacity Gallons: 3500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 06/16/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

AJ400  
WSW  
1/8-1/4  
0.215 mi.  
1135 ft.

CON EDISON SERVICE BOX: 17579  
250 W 105TH  
NEW YORK, NY 10025  
Site 8 of 9 in cluster AJ

RCRA NonGen / NLR 1016968058  
NY MANIFEST NYP004416590

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
107 ft.

Date form received by agency: 02/11/2014  
Facility name: CON EDISON SERVICE BOX: 17579  
Facility address: 250 W 105TH  
NEW YORK, NY 10025  
EPA ID: NYP004416590  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 17579 (Continued)**

**1016968058**

Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/11/2014  
Site name: CON EDISON SERVICE BOX: 17579  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004416590  
Country: USA  
Location Address 1: F/O 250 W 105TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 01/11/2014  
Trans1 Recv Date: 01/11/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/13/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004416590  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 011696463JJK  
Import Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON SERVICE BOX: 17579 (Continued)

1016968058

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

AJ401  
WSW  
1/8-1/4  
0.215 mi.  
1135 ft.

HARLINGTON REALTY CO. LLC  
250 WEST 105TH STREET  
NEW YORK, NY 10025

NY AST U003395248  
NY HIST AST N/A

Site 9 of 9 in cluster AJ

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-481076  
Program Type: PBS  
UTM X: 587070.60117000004  
UTM Y: 4517138.8707400002  
Expiration Date: 12/01/2019  
Site Type: Apartment Building/Office Building

Actual:  
107 ft.

Affiliation Records:

Site Id: 21494  
Affiliation Type: Mail Contact  
Company Name: C/O HRM MANAGEMENT CORP.  
Contact Type: Not reported  
Contact Name: 125 WEST 75 ST. LLC  
Address1: 151 EAST 81ST STREET - 1E  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10028  
Country Code: 001  
Phone: (212) 288-1928  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/15/2014

Site Id: 21494  
Affiliation Type: On-Site Operator  
Company Name: 250 WEST 105TH STREET  
Contact Type: Not reported  
Contact Name: JOBE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (347) 581-2875

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLINGTON REALTY CO. LLC (Continued)**

**U003395248**

EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/1/2004

Site Id: 21494  
Affiliation Type: Emergency Contact  
Company Name: 125 WEST 75 ST. LLC  
Contact Type: Not reported  
Contact Name: RONALD CHERNEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 288-1928  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 12/1/2004

Site Id: 21494  
Affiliation Type: Facility Owner  
Company Name: 125 WEST 75 ST. LLC C/O HRM MANAGEMENT CORP.  
Contact Type: MEMBER  
Contact Name: RONALD CHERNEY  
Address1: 151 E. 81ST ST, SUITE 1E  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10028  
Country Code: 001  
Phone: (212) 288-1928  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 12/15/2014

**Tank Info:**

Tank Number: 001  
Tank Id: 39128  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

**Equipment Records:**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
J02 - Dispenser - Suction Dispenser  
L00 - Piping Leak Detection - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
C03 - Pipe Location - Aboveground/Underground Combination

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLINGTON REALTY CO. LLC (Continued)**

**U003395248**

E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 09/01/2003  
Register: True  
Modified By: KXTANG  
Last Modified: 11/23/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 001A  
Tank Id: 180934  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/2003  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 12/15/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-481076  
SWIS Code: 6201  
Operator: SAM BERISHA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLINGTON REALTY CO. LLC (Continued)**

**U003395248**

Facility Phone: (212) 316-1386  
Facility Addr2: 250 WEST 105TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MICHELLE GOLDENBERG  
Emergency Tel: (212) 734-9500  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: HARLINGTON REALTY CO. LLC  
Owner Address: 156A EAST 83RD STREET  
Owner City,St,Zip: NEW YORK, NY 10028  
Federal ID: Not reported  
Owner Tel: (212) 734-9500  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: MAUTNER-GLICK CORP.  
Mailing Address: 1345 THIRD AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10021  
Mailing Telephone: ( ) -  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 06/21/2000  
Expiration: 07/10/2000  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HARLINGTON REALTY CO. LLC (Continued)**

**U003395248**

Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AG402  
WSW  
1/8-1/4  
0.215 mi.  
1136 ft.**

**CON EDISON  
2730 BROADWAY  
NEW YORK, NY 10025**

**NY MANIFEST S117316849  
N/A**

**Site 4 of 9 in cluster AG**

**Relative:  
Higher**

NY MANIFEST:  
EPA ID: NYP004641460  
Country: USA  
Location Address 1: 2730 BROADWAY  
Location Address 2: SB27673  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:  
105 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 08/28/2014  
Trans1 Recv Date: 08/28/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/02/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004641460  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117316849**

Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002563278GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AG403**  
**WSW**  
**1/8-1/4**  
**0.215 mi.**  
**1136 ft.**

**CON EDISON SERVICE BOX: 27673**  
**2730 BROADWAY**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR 1016967482**  
**NY MANIFEST NYP004410890**

**Site 5 of 9 in cluster AG**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 01/26/2014

Facility name: CON EDISON SERVICE BOX: 27673

Facility address: 2730 BROADWAY  
NEW YORK, NY 10025

EPA ID: NYP004410890  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003

Contact: THOMAS TEELING

Contact address: Not reported  
Not reported

Contact country: Not reported  
Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 27673 (Continued)**

**1016967482**

Historical Generators:

Date form received by agency: 12/26/2013  
Site name: CON EDISON SERVICE BOX: 27673  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004410890  
Country: USA  
Location Address 1: F/O 2730 BROADWAY  
Location Address 2: SB27673  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10020  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 12/26/2013  
Trans1 Recv Date: 12/26/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/27/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004410890  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002237539GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON SERVICE BOX: 27673 (Continued)

1016967482

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

AO404  
NW  
1/8-1/4  
0.215 mi.  
1137 ft.

309 WEST 109TH STREET CORPORATION  
309 WEST 109 STREET  
NEW YORK, NY 10025

NY AST U003385179  
NY HIST AST N/A

Site 4 of 5 in cluster AO

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-112771  
Program Type: PBS  
UTM X: 587142.65411  
UTM Y: 4517489.771569999  
Expiration Date: 03/30/2018  
Site Type: Apartment Building/Office Building

Actual:  
109 ft.

Affiliation Records:

Site Id: 3591  
Affiliation Type: Facility Owner  
Company Name: 309 WEST 109TH STREET CORP % AJ CLARKE RE CORP.  
Contact Type: AGENT  
Contact Name: STEPHEN DENARDO  
Address1: 1881 BROADWAY, 4FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 541-4477  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/12/2013

Site Id: 3591  
Affiliation Type: Mail Contact  
Company Name: A J CLARKE R.E. CORP.  
Contact Type: Not reported  
Contact Name: STEPHEN DENARDO  
Address1: 1881 BROADWAY, 4TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10023  
Country Code: 001  
Phone: (212) 541-4477  
EMail: SDENARDO@AJCLARKENYC.COM  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/12/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**309 WEST 109TH STREET CORPORATION (Continued)**

**U003385179**

Site Id: 3591  
Affiliation Type: On-Site Operator  
Company Name: 309 WEST 109TH STREET CORPORATION  
Contact Type: Not reported  
Contact Name: MANUEL ZEPEDA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-5758  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/12/2013

Site Id: 3591  
Affiliation Type: Emergency Contact  
Company Name: 309 WEST 109TH STREET CORP % AJ CLARKE RE CORP.  
Contact Type: Not reported  
Contact Name: JOSH HOFFMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 541-4477  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 2/12/2013

Tank Info:

Tank Number: 001  
Tank Id: 5185  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**309 WEST 109TH STREET CORPORATION (Continued)**

**U003385179**

Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/01/1959  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 02/12/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-112771  
SWIS Code: 6201  
Operator: LUIS RODRIGUEZ  
Facility Phone: (212) 316-3127  
Facility Addr2: 309 WEST 109 STREET SUITE 1-H  
Facility Type: APARTMENT BUILDING  
Emergency: LINDA KLEBAN  
Emergency Tel: (201) 224-2154  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 309 WEST 109TH STREET CORPORATION  
Owner Address: C/O LINDA KLEBAN 309 W. 109TH ST. #1-H  
Owner City,St,Zip: NEW YORK, NY 10025-2129  
Federal ID: Not reported  
Owner Tel: (212) 678-0108  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: LINDA KLEBAN  
Mailing Name: 309 WEST 109TH STREET CORPORATION  
Mailing Address: 309 109TH STREET, SUITE 1-H  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025-2129  
Mailing Telephone: (212) 678-0108  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 04/02/1998  
Expiration: 03/30/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**309 WEST 109TH STREET CORPORATION (Continued)**

**U003385179**

Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AP405  
SW  
1/8-1/4  
0.215 mi.  
1137 ft.**

**896 AMSTERDAM AVE  
NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015103602  
N/A**

**Site 4 of 10 in cluster AP**

**Relative:  
Higher**

**EDR Historical Cleaners:**

**Actual:  
103 ft.**

Name: DANI CLEANERS INC  
Year: 2004  
Address: 896 AMSTERDAM AVE  
  
Name: DANI CLEANERS NY CORP  
Year: 2005  
Address: 896 AMSTERDAM AVE  
  
Name: DANI CLEANERS NEW YORK CORP  
Year: 2006  
Address: 896 AMSTERDAM AVE  
  
Name: DANI AMSTERDAM CLEANERS  
Year: 2010  
Address: 896 AMSTERDAM AVE  
  
Name: DANI AMSTERDAM CLEANERS  
Year: 2011  
Address: 896 AMSTERDAM AVE  
  
Name: DANI AMSTERDAM CLEANERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015103602

Year: 2012  
Address: 896 AMSTERDAM AVE

**AP406** **DANI AMSTERDAM CLEANERS**  
**SW** **896 AMSTERDAM AVENUE**  
**1/8-1/4** **NEW YORK, NY 10025**  
**0.215 mi.**  
**1137 ft.** **Site 5 of 10 in cluster AP**

**NY DRYCLEANERS** **S110246359**  
**N/A**

**Relative:**  
**Higher**

**DRYCLEANERS:**  
Facility ID: 2-6202-01254  
Phone Number: 212-666-4973  
Region: Not reported  
Registration Effective Date: N/A  
Inspection Date: 03OCT20  
Install Date: Not reported  
Drop Shop: Y  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: Not reported

**Actual:**  
**103 ft.**

**AP407** **DANI CLEANERS**  
**SW** **896 AMSTERDAM AVE**  
**1/8-1/4** **NEW YORK, NY 10025**  
**0.215 mi.**  
**1137 ft.** **Site 6 of 10 in cluster AP**

**RCRA NonGen / NLR** **1000117354**  
**FINDS** **NYD982729329**  
**NY MANIFEST**

**Relative:**  
**Higher**

**RCRA NonGen / NLR:**  
Date form received by agency: 01/01/2007  
Facility name: DANI CLEANERS  
Facility address: 896 AMSTERDAM AVE  
NEW YORK, NY 10025  
EPA ID: NYD982729329  
Mailing address: AMSTERDAM AVE  
NEW YORK, NY 10025  
Contact: JUNG OK HONG  
Contact address: AMSTERDAM AVE  
NEW YORK, NY 10025  
Contact country: US  
Contact telephone: (212) 666-4973  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**103 ft.**

**Owner/Operator Summary:**  
Owner/operator name: JUNG OK HONG  
Owner/operator address: 896 AMSTERDAM AVE  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 666-4973  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

**1000117354**

Owner/operator name: JUNG OK HONG  
Owner/operator address: 896 AMSTERDAM AVE  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 666-4973  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: DANI CLEANERS  
Classification: Not a generator, verified

Date form received by agency: 06/13/1994  
Site name: DANI CLEANERS  
Classification: Not a generator, verified

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D039  
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

**1000117354**

Registry ID: 110001606245

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID: NYD982729329  
Country: USA  
Location Address 1: 896 AMSTERDAM AVENUE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: BETTER QUALITY CLEANERS  
Contact: BETTER QUALITY CLEANERS  
Address: 896 AMSTERDAM AVENUE  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-865-7221

Manifest:

Document ID: NJA2528112  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 07/08/1996  
Trans1 Recv Date: 07/08/1996  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/08/1996  
Part A Recv Date: 07/29/1996  
Part B Recv Date: 07/24/1996  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

1000117354

Document ID: NJA1114597  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/15/1991  
Trans1 Recv Date: 04/15/1991  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/15/1991  
Part A Recv Date: 04/23/1991  
Part B Recv Date: 04/26/1991  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1991

Document ID: NJA0802910  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 05/31/1990  
Trans1 Recv Date: 05/31/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/31/1990  
Part A Recv Date: 07/31/1990  
Part B Recv Date: 06/11/1990  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0928187  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 08/09/1990  
Trans1 Recv Date: 08/09/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 08/09/1990  
Part A Recv Date: 08/24/1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

1000117354

Part B Recv Date: 08/30/1990  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1748148  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 07/12/1993  
Trans1 Recv Date: 07/12/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/12/1993  
Part A Recv Date: 07/22/1993  
Part B Recv Date: 07/26/1993  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1060305  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 11/02/1990  
Trans1 Recv Date: 11/02/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/02/1990  
Part A Recv Date: 11/16/1990  
Part B Recv Date: 12/06/1990  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

1000117354

Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA1089611  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 10/02/1990  
Trans1 Recv Date: 10/02/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 10/02/1990  
Part A Recv Date: 10/29/1990  
Part B Recv Date: 11/05/1990  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA9627668  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 07/13/1989  
Trans1 Recv Date: 07/13/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/13/1989  
Part A Recv Date: 07/27/1989  
Part B Recv Date: 07/20/1989  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA2084090  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

1000117354

Trans2 State ID: Not reported  
Generator Ship Date: 05/15/1995  
Trans1 Recv Date: 05/15/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/15/1995  
Part A Recv Date: 05/23/1995  
Part B Recv Date: 05/30/1995  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA2045351  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 01/18/1995  
Trans1 Recv Date: 01/18/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/18/1995  
Part A Recv Date: 01/26/1995  
Part B Recv Date: 02/07/1995  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1995

Document ID: NJA1646737  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/20/1993  
Trans1 Recv Date: 05/20/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/20/1993  
Part A Recv Date: 06/01/1993  
Part B Recv Date: 06/16/1993  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

1000117354

Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1646347  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 02/02/1993  
Trans1 Recv Date: 02/02/1993  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/02/1993  
Part A Recv Date: 02/12/1993  
Part B Recv Date: 02/12/1993  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1993

Document ID: NJA1088030  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 11/27/1990  
Trans1 Recv Date: 11/27/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 11/27/1990  
Part A Recv Date: 12/31/1990  
Part B Recv Date: 01/09/1991  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

**1000117354**

Year: 1990

Document ID: NJA1428233  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 04/20/1992  
Trans1 Recv Date: 04/20/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/20/1992  
Part A Recv Date: 04/28/1992  
Part B Recv Date: 06/01/1992  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00195  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA1422777  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 06/11/1992  
Trans1 Recv Date: 06/11/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 06/11/1992  
Part A Recv Date: / /  
Part B Recv Date: 06/24/1992  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA0636257  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 06/14/1989  
Trans1 Recv Date: 06/14/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

**1000117354**

Trans2 Recv Date: / /  
TSD Site Recv Date: 06/14/1989  
Part A Recv Date: 06/19/1989  
Part B Recv Date: 06/22/1989  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA1440887  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/14/1992  
Trans1 Recv Date: 05/14/1992  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/14/1992  
Part A Recv Date: / /  
Part B Recv Date: 06/02/1992  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1992

Document ID: NJA0618789  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 05/22/1989  
Trans1 Recv Date: 05/22/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 05/22/1989  
Part A Recv Date: 06/05/1989  
Part B Recv Date: 05/30/1989  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DANI CLEANERS (Continued)**

**1000117354**

Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1989

Document ID: NJA0906209  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 09/06/1990  
Trans1 Recv Date: 09/06/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/06/1990  
Part A Recv Date: 10/03/1990  
Part B Recv Date: 09/17/1990  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00070  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA2207743  
Manifest Status: Completed copy  
Trans1 State ID: NJDEPS869  
Trans2 State ID: Not reported  
Generator Ship Date: 09/26/1995  
Trans1 Recv Date: 09/26/1995  
Trans2 Recv Date: / /  
TSD Site Recv Date: 09/26/1995  
Part A Recv Date: 10/06/1995  
Part B Recv Date: 10/05/1995  
Generator EPA ID: NYD982729329  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDf ID: NJD000768093  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00210  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1995

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AM408  
South  
1/8-1/4  
0.216 mi.  
1143 ft.

**MANFAR ASSOCIATES**  
**85 WEST 104TH STREET**  
**NEW YORK, NY 10025**  
**Site 5 of 9 in cluster AM**

**NY AST** **U003389635**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

**Actual:**  
**114 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-204994  
Program Type: PBS  
UTM X: 587492.16446999996  
UTM Y: 4516835.2057800004  
Expiration Date: 11/16/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 7154  
Affiliation Type: Facility Owner  
Company Name: MANFAR ASSOCIATES C/O M. HAIMOF.  
Contact Type: PARTNER & MANAGING AGENT  
Contact Name: MANOOCHER HAIMOF  
Address1: P.O. BOX 1076 COOPER STATION  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10276-1076  
Country Code: 001  
Phone: (212) 228-8975  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/2/2007

Site Id: 7154  
Affiliation Type: Mail Contact  
Company Name: MANFAR ASSOCIATES C/O M. HAIMOF.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: P.O. BOX 1076 COOPER STATION  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10276-1076  
Country Code: 001  
Phone: (212) 260-1388  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/2/2007

Site Id: 7154  
Affiliation Type: On-Site Operator  
Company Name: MANFAR ASSOCIATES  
Contact Type: Not reported  
Contact Name: MANOOCHER HAIMOF  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANFAR ASSOCIATES (Continued)**

**U003389635**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 228-8975  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7154  
Affiliation Type: Emergency Contact  
Company Name: MANFAR ASSOCIATES C/O M. HAIMOF.  
Contact Type: Not reported  
Contact Name: MANOOCHER HAIMOF  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 228-8975  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 17078  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
I00 - Overfill - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1975  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 10/02/2007  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANFAR ASSOCIATES (Continued)**

**U003389635**

HIST AST:  
PBS Number: 2-204994  
SWIS Code: 6201  
Operator: MANOOCHEER HAIMOF  
Facility Phone: (212) 228-8975  
Facility Addr2: 85 WEST 104TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MANOOCHEER HAIMOF  
Emergency Tel: (212) 228-8975  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: MANFAR ASSOCIATES C/O M. HAIMOF.  
Owner Address: P.O. BOX 1076 COOPER STATION  
Owner City,St,Zip: NEW YORK, NY 10276-1076  
Federal ID: Not reported  
Owner Tel: (212) 228-8975  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: MANFAR ASSOCIATES C/O M. HAIMOF.  
Mailing Address: P.O. BOX 1076 COOPER STATION  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10276-1076  
Mailing Telephone: (516) 487-9192  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 09/12/1997  
Expiration: 11/16/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANFAR ASSOCIATES (Continued)**

**U003389635**

Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: Not reported  
Dispenser Method: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

**AL409**  
**ENE**  
**1/8-1/4**  
**0.217 mi.**  
**1146 ft.**

**CON EDISON SERVICE BOX 18447**  
**312 W 112TH ST**  
**NEW YORK, NY 10026**  
**Site 4 of 4 in cluster AL**

**RCRA NonGen / NLR** **1014919246**  
**NJ MANIFEST** **NYP004234068**  
**NY MANIFEST**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 05/19/2011  
Facility name: CON EDISON SERVICE BOX 18447  
Facility address: 312 W 112TH ST  
NEW YORK, NY 10026  
EPA ID: NYP004234068  
Mailing address: IRVING PLAZA RM 828  
NEW YORK, NY 10003  
Contact: STEVEN ALVARADO  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 427-0733  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**42 ft.**

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 18447 (Continued)**

**1014919246**

Historical Generators:

Date form received by agency: 04/19/2011  
Site name: CON EDISON SERVICE BOX 18447  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NJ MANIFEST:

EPA Id: NYP004234068  
Mail Address: IRVING PLAZA RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported  
Emergency Phone: Not reported  
Contact: STEVEN ALVARADO  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSD Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 007019135JJK  
EPA ID: NYP004234068  
Date Shipped: 4/19/2011  
TSD EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: Not reported  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSD Received Waste: Not reported  
Generator EPA Facility Name: CONSOLIDATED EDISON CO OF NY SB #18447  
Transporter-1 EPA Facility Name: CLEAN VENTURE, INC  
TSD EPA Facility Name: CYCLE CHEM INC  
QTY Units: Pounds  
Transporter SEQ ID: 1.00  
Transporter-1 Date: 4/19/2011  
Waste SEQ ID: 1.00  
Waste Type Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 18447 (Continued)**

**1014919246**

Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: 4/19/2011  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2011 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111  
Quantity: 500.00 Pounds

NY MANIFEST:

EPA ID: NYP004234068  
Country: USA  
Location Address 1: F/O 321 W 112 ST-E/O MANHATTAN AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10038  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 04/19/2011  
Trans1 Recv Date: 04/19/2011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/19/2011  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004234068  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500.0  
Units: P - Pounds  
Number of Containers: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX 18447 (Continued)**

**1014919246**

Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2011  
Manifest Tracking Num: 007019135JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**AM410**  
South  
1/8-1/4  
0.217 mi.  
1147 ft.

**PARK WEST/COMMUNITY CNTR DRY CLNRS**  
**83 W 104TH STREET #1**  
**NEW YORK, NY 10025**

**NY DRYCLEANERS** **S110247574**  
**N/A**

**Site 6 of 9 in cluster AM**

**Relative:**  
**Higher**

DRYCLEANERS:  
Facility ID: 2-6202-01324  
Phone Number: 212-662-0167  
Region: Not reported  
Registration Effective Date: 2/4/2002 12:43:36:936  
Inspection Date: 07APR20  
Install Date: 97  
Drop Shop: Not reported  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: Not reported

**Actual:**  
**114 ft.**

**AM411**  
South  
1/8-1/4  
0.217 mi.  
1147 ft.

**83 W 104TH ST**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners** **1015099757**  
**N/A**

**Site 7 of 9 in cluster AM**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
Name: COMMUNITY DRY CLEANERS INC  
Year: 2003  
Address: 83 W 104TH ST  
  
Name: COMMUNITY DRY CLEANERS INC  
Year: 2008  
Address: 83 W 104TH ST  
  
Name: PARK WEST CLEANERS  
Year: 2010  
Address: 83 W 104TH ST  
  
Name: PARK WEST CLEANERS II  
Year: 2011

**Actual:**  
**114 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015099757**

Address: 83 W 104TH ST  
 Name: PARK WEST CLEANERS II  
 Year: 2012  
 Address: 83 W 104TH ST

**AQ412**  
**West**  
**1/8-1/4**  
**0.217 mi.**  
**1147 ft.**

**ABOVE GOUND TANK**  
**949 WEST END AVE**  
**MANHATTAN, NY**

**NY LTANKS** **S112809186**  
**NY Spills** **N/A**

**Site 2 of 4 in cluster AQ**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**109 ft.**

Site ID: 488386  
 Spill Number/Closed Date: 1307703 / Not Reported  
 Spill Date: 10/28/2013  
 Spill Cause: Tank Test Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: AXDORONO  
 Referred To: Not reported  
 Reported to Dept: 10/28/2013  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Other  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 1  
 Date Entered In Computer: 10/28/2013  
 Spill Record Last Update: 3/18/2015  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller County: 999  
 Spiller Contact: MARK SALAMACK  
 Spiller Phone: (718) 624-4842  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 432950  
 DEC Memo: 10/28/2013: Mahat A voice message was left to Mr. Salamck to call back. Mark called back and informed DEC that the petroleum company is fixing the problem. Also a TTF letter is sent out to the property owner/management. TTF letter is uploaded on edocs.949 Associates LP C/O Hellery Realty 949 West End Avenue New York NY 1002503-18-2015 - V. Brevdo This TTF Spill Case is re-assigned to Remediation Section B as per discussion with Chief of Spill Response on 03/17/2015. Case is further assigned to Ms. Ainura Doronova as Project Manager. - VB03/18/2015: This spill case was transferred to A. Doronova. - AD  
 Remarks: Not reported

Material:

Site ID: 488386

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABOVE GOUND TANK (Continued)**

**S112809186**

Operable Unit ID: 1238007  
Operable Unit: 01  
Material ID: 2237792  
Material Code: 9999  
Material Name: Other - NOTHING SPILLED  
Case No.: Not reported  
Material FA: Other  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 1214409  
Facility Type: ER  
DER Facility ID: 432950  
Site ID: 477650  
DEC Region: 2  
Spill Date: 1/7/2013  
Spill Number/Closed Date: 1214409 / 1/10/2013  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 1/9/2013  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Passenger Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/9/2013  
Spill Record Last Update: 1/10/2013  
Spiller Name: RAY WATSON  
Spiller Company: CASTLE OIL  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: MARK SALAPACK  
Contact Phone: (917) 559-5519  
DEC Memo: cleanup completed by PTC  
Remarks: Spilled to concrete and cleaned up. Filter not tightened down all the way.

Material:

Site ID: 477650  
Operable Unit ID: 1227448

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABOVE GOUND TANK (Continued)**

**S112809186**

Operable Unit: 01  
Material ID: 2224781  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AQ413**  
**West**  
**1/8-1/4**  
**0.217 mi.**  
**1147 ft.**

**949 WEST END AVENUE**  
**949 WEST END AVENUE**  
**NEW YORK, NY 10025**  
**Site 3 of 4 in cluster AQ**

**NY AST** **U003388337**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-270199  
Program Type: PBS  
UTM X: 587029.06862000003  
UTM Y: 4517255.5098099997  
Expiration Date: 02/23/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

**Affiliation Records:**  
Site Id: 11343  
Affiliation Type: Mail Contact  
Company Name: 949 ASSOCIATES LP C/O HELLER REALTY  
Contact Type: AGENT  
Contact Name: MARK BRUCATO  
Address1: 745 FIFTH AVE SUITE 1250  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10151  
Country Code: 001  
Phone: (212) 873-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Site Id: 11343  
Affiliation Type: On-Site Operator  
Company Name: 949 WEST END AVENUE  
Contact Type: Not reported  
Contact Name: ALBERTO GONZALEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

949 WEST END AVENUE (Continued)

U003388337

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 846-3116  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Site Id: 11343  
Affiliation Type: Emergency Contact  
Company Name: 949 ASSOCIATES LP C/O HELLER REALTY  
Contact Type: Not reported  
Contact Name: ALBERTO GONZALEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 846-3116  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Site Id: 11343  
Affiliation Type: Facility Owner  
Company Name: 949 ASSOCIATES LP C/O HELLER REALTY  
Contact Type: AGENT  
Contact Name: MARK BRUCATO  
Address1: 745 FIFTH AVE SUITE 1250  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10151  
Country Code: 001  
Phone: (212) 873-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Tank Info:

Tank Number: 001  
Tank Id: 13780  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

949 WEST END AVENUE (Continued)

U003388337

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 07/21/1971  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 03/29/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-270199  
SWIS Code: 6201  
Operator: EDWIN DEYNIS  
Facility Phone: (212) 662-3186  
Facility Addr2: 949 WEST END AVENUE  
Facility Type: APARTMENT BUILDING  
Emergency: EDWIN DEYNIS  
Emergency Tel: (212) 662-3186  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 949 CORP % HELLER REALTY  
Owner Address: 745 FIFTH AVE  
Owner City,St,Zip: NEW YORK, NY 10151  
Federal ID: Not reported  
Owner Tel: (212) 873-9200  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: BMH REALTY. LTD  
Mailing Name: BMH REALTY, LTD. D/B/A HELLER REALTY  
Mailing Address: 745 FIFTH AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10151  
Mailing Telephone: (212) 873-9200  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 07/18/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**949 WEST END AVENUE (Continued)**

**U003388337**

Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City Code: 01  
 Region: 2  
  
 Tank ID: 001  
 Tank Location: ABOVEGROUND  
 Tank Status: In Service  
 Install Date: Not reported  
 Capacity (Gal): 5000  
 Product Stored: NOS 5 OR 6 FUEL OIL  
 Tank Type: Steel/carbon steel  
 Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: Diking  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**AP414**    **216 W. 104 ST.**  
**SW**      **216 W. 104 ST.**  
**1/8-1/4**    **NEW YORK, NY 10025**  
**0.217 mi.**  
**1147 ft.**    **Site 7 of 10 in cluster AP**

**NY AST**    **A100183160**  
                  **N/A**

**Relative:**  
**Higher**

**AST:**  
 Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-606552  
 Program Type: PBS  
 UTM X: 587112.58111999999  
 UTM Y: 4516996.8231100002  
 Expiration Date: 07/30/2016  
 Site Type: Apartment Building/Office Building

**Actual:**  
**103 ft.**

**Affiliation Records:**  
 Site Id: 28411  
 Affiliation Type: Facility Owner  
 Company Name: B M L REALTY CORP.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216 W. 104 ST. (Continued)**

**A100183160**

Contact Type: PRESIDENT  
Contact Name: REFIK KOSOVRASTI  
Address1: 9 CRYSTAL CT  
Address2: Not reported  
City: MAHALAPAN  
State: NJ  
Zip Code: 07726  
Country Code: 001  
Phone: (212) 666-6492  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/22/2011

Site Id: 28411  
Affiliation Type: Mail Contact  
Company Name: BML REALTY CORP.  
Contact Type: Not reported  
Contact Name: REFIK KOSOVRASTI  
Address1: 2 SAWBUCK ROAD  
Address2: Not reported  
City: FREEHOLD  
State: NY  
Zip Code: 07728  
Country Code: 001  
Phone: (718) 680-0936  
EMail: BMLREALTY@AOL.COM  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 6/6/2006

Site Id: 28411  
Affiliation Type: On-Site Operator  
Company Name: 216 W. 104 ST.  
Contact Type: Not reported  
Contact Name: REFIK KOSOVRASTI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 680-0936  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 6/6/2006

Site Id: 28411  
Affiliation Type: Emergency Contact  
Company Name: B M L REALTY CORP.  
Contact Type: Not reported  
Contact Name: REFIK KOSOVRASTI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216 W. 104 ST. (Continued)**

**A100183160**

Zip Code: Not reported  
Country Code: 001  
Phone: (732) 409-1334  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 61588  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
H99 - Tank Leak Detection - Other  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/1980  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

AP415  
WSW  
1/8-1/4  
0.217 mi.  
1148 ft.

**US POSTAL SERVICE CATHEDRAL STATION**  
**215 W 104TH ST**  
**NEW YORK, NY 10025**

**RCRA-CESQG 1007371413**  
**NY MANIFEST NYR000124859**

**Site 8 of 10 in cluster AP**

**Relative:  
Higher**

RCRA-CESQG:  
Date form received by agency: 01/01/2007  
Facility name: US POSTAL SERVICE CATHEDRAL STATION  
Facility address: 215 W 104TH ST  
NEW YORK, NY 100254297  
EPA ID: NYR000124859  
Mailing address: W 104TH ST  
NEW YORK, NY 100254297  
Contact: DARYN EATO  
Contact address: W 104TH ST

**Actual:  
102 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US POSTAL SERVICE CATHEDRAL STATION (Continued)**

**1007371413**

NEW YORK, NY 100254297  
Contact country: US  
Contact telephone: (212) 662-9192  
Contact email: Not reported  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**

Owner/operator name: US POSTAL SERVICE  
Owner/operator address: W 104TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 662-9192  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 05/25/2004  
Owner/Op end date: Not reported

Owner/operator name: US POSTAL SERVICE  
Owner/operator address: W 104TH ST  
NEW YORK, NY 10025  
Owner/operator country: US  
Owner/operator telephone: (212) 662-9192  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 05/25/2004  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US POSTAL SERVICE CATHEDRAL STATION (Continued)**

**1007371413**

Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: US POSTAL SERVICE CATHEDRAL STATION  
Classification: Small Quantity Generator

Date form received by agency: 05/27/2004  
Site name: US POSTAL SERVICE CATHEDRAL STATION  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYR000124859  
Country: USA  
Location Address 1: 215 W 104 ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: 4297

Mailing Info:

Name: US POSTAL SERVICE CATHEDRAL STATION  
Contact: DARIN EATO  
Address: 215 W 104 ST  
City/State/Zip: NEW YORK, NY 10025 4297  
Country: USA  
Phone: 212-622-9192

Manifest:

Document ID: NYG2824812  
Manifest Status: Not reported  
Trans1 State ID: 89189JN  
Trans2 State ID: Not reported  
Generator Ship Date: 06/08/2004  
Trans1 Recv Date: 06/08/2004  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/11/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000124859  
Trans1 EPA ID: NYD986908085  
Trans2 EPA ID: Not reported  
TSDF ID: NYD082785  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00110  
Units: G - Gallons (liquids only)\* (8.3 pounds)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US POSTAL SERVICE CATHEDRAL STATION (Continued)**

**1007371413**

Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

Document ID: NYG2824803  
Manifest Status: Not reported  
Trans1 State ID: 89189JN  
Trans2 State ID: Not reported  
Generator Ship Date: 06/08/2004  
Trans1 Recv Date: 06/08/2004  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/11/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000124859  
Trans1 EPA ID: NYD986908085  
Trans2 EPA ID: Not reported  
TSDF ID: NYD082785  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 01800  
Units: P - Pounds  
Number of Containers: 003  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00038  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2004

**AP416**      **CATHEDRAL**  
**WSW**      **215 WEST 104TH STREET**  
**1/8-1/4**    **NYC, NY 10025**  
**0.217 mi.**  
**1148 ft.**    **Site 9 of 10 in cluster AP**

**NY AST**    **U003392389**  
**NY HIST AST**    **N/A**

**Relative:**    **AST:**  
**Higher**      Region:                    STATE  
                  DEC Region:              2  
**Actual:**      Site Status:              Active  
**102 ft.**      Facility Id:               2-365440  
                  Program Type:            PBS  
                  UTM X:                    587151.92616999999  
                  UTM Y:                    4517017.8158099996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL (Continued)**

**U003392389**

Expiration Date: 10/15/2017  
Site Type: Other

Affiliation Records:  
Site Id: 18560  
Affiliation Type: Facility Owner  
Company Name: U S POSTAL SERVICE  
Contact Type: ENVIRONMENTAL COMPLAINCE  
Contact Name: JAMES NAGY  
Address1: 33RD STREET & 8TH AVENUE  
Address2: Not reported  
City: NYC  
State: NY  
Zip Code: 10199-9731  
Country Code: 001  
Phone: (212) 330-3102  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 11/15/2012

Site Id: 18560  
Affiliation Type: Mail Contact  
Company Name: U S POSTAL SERVICE  
Contact Type: Not reported  
Contact Name: POST MASTER  
Address1: 4218TH AVENUE  
Address2: JAMES A. FARLEY BLDG RM 5012  
City: NYC  
State: NY  
Zip Code: 10199-9991  
Country Code: 001  
Phone: (212) 330-3954  
EMail: Not reported  
Fax Number: Not reported  
Modified By: kakyer  
Date Last Modified: 9/7/2007

Site Id: 18560  
Affiliation Type: On-Site Operator  
Company Name: CATHEDRAL  
Contact Type: Not reported  
Contact Name: STATION MGR  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 662-0355  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18560  
Affiliation Type: Emergency Contact  
Company Name: U S POSTAL SERVICE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL (Continued)**

**U003392389**

Contact Type: Not reported  
Contact Name: POSTAL POLICE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 330-3900  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 24498  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
K01 - Spill Prevention - Catch Basin  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E02 - Piping Secondary Containment - Vault (with Access)  
I00 - Overfill - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1994  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 12/19/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-365440  
SWIS Code: 6201  
Operator: SUPT ENGINEER  
Facility Phone: (212) 662-9191  
Facility Addr2: 215 WEST 104TH STREET  
Facility Type: OTHER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL (Continued)**

**U003392389**

Emergency: GUY J MIATA  
Emergency Tel: (212) 330-3102  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: U S POSTAL SERVICE  
Owner Address: 33RD STREET & 8TH AVENUE  
Owner City,St,Zip: NYC, NY 10199-9731  
Federal ID: Not reported  
Owner Tel: (212) 330-3102  
Owner Type: Federal Government  
Owner Subtype: Not reported  
Mailing Contact: JAY SHEMWELL  
Mailing Name: U S POSTAL SERVICE  
Mailing Address: 33RD STREET & 8TH AVENUE  
Mailing Address 2: JAMES A. FARLEY BLDG RM 5015  
Mailing City,St,Zip: NYC, NY 10199-9101  
Mailing Telephone: (212) 330-3123  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 01/16/1998  
Expiration: 10/15/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 10000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 10000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 00  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CATHEDRAL (Continued)**

**U003392389**

Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AP417**  
**WSW**  
**1/8-1/4**  
**0.220 mi.**  
**1159 ft.**

**CON EDISON**  
**217 W 104 ST**  
**NEW YORK, NY 10030**  
**Site 10 of 10 in cluster AP**

**NY MANIFEST** **S117316810**  
**N/A**

**Relative:**  
**Higher**

NY MANIFEST:  
EPA ID: NYP004641015  
Country: USA  
Location Address 1: 217 W 104 ST  
Location Address 2: SB 22195  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10030  
Location Zip Code 4: Not reported

**Actual:**  
**102 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/27/2014  
Trans1 Recv Date: 08/27/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/27/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004641015  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117316810**

Manifest Tracking Num: 013254458JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AO418  
NW  
1/8-1/4  
0.220 mi.  
1161 ft.**

**COLLEGE RESIDENCE CLUB INC  
601 W. 110TH ST  
NEW YORK, NY 10025**

**NY AST A100300873  
N/A**

**Site 5 of 5 in cluster AO**

**Relative:  
Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-610439  
Program Type: PBS  
UTM X: 587147.45434000005  
UTM Y: 4517545.6912399996  
Expiration Date: 12/29/2016  
Site Type: Apartment Building/Office Building

**Actual:  
112 ft.**

Affiliation Records:

Site Id: 375474  
Affiliation Type: Facility Owner  
Company Name: GEORGE ALLEN  
Contact Type: AGENT  
Contact Name: GEORGE ALLEN  
Address1: 610 W 110TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 666-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 12/29/2006

Site Id: 375474  
Affiliation Type: Mail Contact  
Company Name: COLLEGE RESIDENCE CLUB INC  
Contact Type: Not reported  
Contact Name: GEORGE ALLEN  
Address1: 601 W. 110TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLLEGE RESIDENCE CLUB INC (Continued)**

**A100300873**

Country Code: 001  
Phone: (212) 666-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 12/29/2006

Site Id: 375474  
Affiliation Type: On-Site Operator  
Company Name: COLLEGE RESIDENCE CLUB INC  
Contact Type: Not reported  
Contact Name: GEORGE ALLEN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 12/29/2006

Site Id: 375474  
Affiliation Type: Emergency Contact  
Company Name: GEORGE ALLEN  
Contact Type: Not reported  
Contact Name: GEORGE ALLEN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 12/29/2006

Tank Info:

Tank Number: 001  
Tank Id: 215209  
Material Code: 0002  
Common Name of Substance: #4 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLLEGE RESIDENCE CLUB INC (Continued)**

**A100300873**

J02 - Dispenser - Suction Dispenser  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 09/01/2006  
Capacity Gallons: 7000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: msbaptis  
Last Modified: 12/29/2006  
Material Name: #4 Fuel Oil (On-Site Consumption)

**AQ419**  
**West**  
**1/8-1/4**  
**0.220 mi.**  
**1162 ft.**

**BIJU REALTY CO**  
**945 WEST END AVENUE**  
**NEW YORK, NY 10025**  
**Site 4 of 4 in cluster AQ**

**NY AST U003391691**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-361232  
Program Type: PBS  
UTM X: 587023.53810999996  
UTM Y: 4517245.1196900001  
Expiration Date: 01/07/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 18228  
Affiliation Type: Facility Owner  
Company Name: B-U REALTY CORP.  
Contact Type: VP  
Contact Name: IRENE BOGONI  
Address1: 945 WEST END AVE. (BASMT. OFFICE)  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-2318  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 11/21/2007

Site Id: 18228  
Affiliation Type: Mail Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIJU REALTY CO (Continued)**

**U003391691**

Company Name: B-U REALTY CORP.  
Contact Type: Not reported  
Contact Name: IRENE BOGONI  
Address1: 945 WEST END AVENUE  
Address2: (BASMT. OFFICE)  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 662-2318  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 18228  
Affiliation Type: On-Site Operator  
Company Name: BIJU REALTY CO  
Contact Type: Not reported  
Contact Name: JUAN PEREIRA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 666-4034  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 11/21/2007

Site Id: 18228  
Affiliation Type: Emergency Contact  
Company Name: B-U REALTY CORP.  
Contact Type: Not reported  
Contact Name: PAUL BOGONI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 662-2318  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 11/21/2007

Tank Info:

Tank Number: 001  
Tank Id: 22066  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIJU REALTY CO (Continued)**

**U003391691**

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/08/1936  
Capacity Gallons: 5040  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KXTANG  
Last Modified: 11/21/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-361232  
SWIS Code: 6201  
Operator: JOHN SWEARINGEN  
Facility Phone: (212) 666-4034  
Facility Addr2: 945 WEST END AVENUE  
Facility Type: APARTMENT BUILDING  
Emergency: PAUL BOGONI  
Emergency Tel: (212) 662-2318  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: B-U REALTY CORP.  
Owner Address: 945 WEST END AVE. (BASMT. OFFICE)  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 662-2318  
Owner Type: Private Resident  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: B-U REALTY CORP.  
Mailing Address: 945 WEST END AVENUE  
Mailing Address 2: (BASMT. OFFICE)  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 662-2318  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIJU REALTY CO (Continued)**

**U003391691**

Certification Flag: False  
Certification Date: 10/12/2001  
Expiration: 01/07/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5040  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5040  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AR420  
NE  
1/8-1/4  
0.220 mi.  
1164 ft.

ST LUKES HOSP.  
421 W 113TH ST  
NEW YORK, NY  
Site 1 of 2 in cluster AR

NY LTANKS S107523125  
N/A

Relative:  
Higher

LTANKS:  
Site ID: 356641  
Spill Number/Closed Date: 0510629 / 5/17/2006  
Spill Date: 12/10/2005  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
119 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST LUKES HOSP. (Continued)**

**S107523125**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 12/10/2005  
CID: 71  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/10/2005  
Spill Record Last Update: 5/17/2006  
Spiller Name: RAY PALKER  
Spiller Company: ST LUKES HOSP.  
Spiller Address: 421 W 113TH ST  
Spiller City,St,Zip: NEW YORK, NY 10025  
Spiller County: 001  
Spiller Contact: RAY PALKER  
Spiller Phone: (212) 523-2610  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 306704  
DEC Memo: 12/12/05-Sharif//I spoke with Ray Palker, Stationary Engineer and he told me they are doing the in house clean up. Eastmond will do the rest of it on Monday.Spill occured due to overfill and it impacted the side walk and some part went to the basement boiler room.I sent a letter to Mr. Ray Palker.01/30/06 Sharif// I called Ray Palker to follow up about the clean up of the spill. In absence of him, I spoke with Mr. Brewster who will convey my concern to Ray Palker.02/28/06 Sharif Rahman- Ray Palker called me to say they will forward all paper work and photographs to DEC by next week.05/17/06 Sharif Rahman- Rec'd report from St. Lukes hospital , Director of Engineering, Sava Cucu,(212)523-5021. AL Eastmond did the clean up. Rec'd invoices and waste disposal manifest.Spill was all on concrete with no seepage to the environment. Photographs attached. NFA required.  
Remarks: STORAGE TANK OVERFILL. CLEAN UP IN PROGRESS.

Material:  
Site ID: 356641  
Operable Unit ID: 1113938  
Operable Unit: 01  
Material ID: 2104009  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ST LUKES HOSP. (Continued)

S107523125

Tank Test:

AK421  
SE  
1/8-1/4  
0.221 mi.  
1169 ft.

APARTMENT HOUSE  
461 CENTRAL PARK WEST  
NEW YORK, NY 10025

NY AST U003386388  
NY HIST AST N/A

Site 12 of 13 in cluster AK

Relative:  
Lower

AST:

Actual:  
76 ft.

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-214086  
Program Type: PBS  
UTM X: 587724  
UTM Y: 4516869  
Expiration Date: 06/30/2017  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 7930  
Affiliation Type: Facility Owner  
Company Name: 461 CENTRAL PARK WEST CO LLC  
Contact Type: MANAGING AGENT  
Contact Name: DAN HOCHSTADT, AGENT  
Address1: 64-35 YELLOWSTONE BLVD  
Address2: Not reported  
City: FOREST HILLS  
State: NY  
Zip Code: 11375  
Country Code: 001  
Phone: (718) 896-9600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 4/9/2012

Site Id: 7930  
Affiliation Type: Mail Contact  
Company Name: ALGIN MANAGEMENT CO.  
Contact Type: MANAGING AGENT  
Contact Name: DAN HOCHSTADT  
Address1: 64-35 YELLOWSTONE BLVD  
Address2: Not reported  
City: FOREST HILLS  
State: NY  
Zip Code: 11375  
Country Code: 001  
Phone: (718) 896-9600  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 5/9/2007

Site Id: 7930  
Affiliation Type: On-Site Operator  
Company Name: APARTMENT HOUSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT HOUSE (Continued)

U003386388

Contact Type: Not reported  
Contact Name: GEORGE PREKA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 866-9236  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/5/2007

Site Id: 7930  
Affiliation Type: Emergency Contact  
Company Name: 400 EAST 66TH STREET CO., LLC  
Contact Type: Not reported  
Contact Name: GEORGE PREKA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 866-9236  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 4/5/2007

Tank Info:

Tank Number: 001  
Tank Id: 9846  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
G99 - Tank Secondary Containment - Other  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/20/1974

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT HOUSE (Continued)

U003386388

Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: BVCAMPBE  
Last Modified: 04/09/2012  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-214086  
SWIS Code: 6201  
Operator: ORLANDO MOLINARES  
Facility Phone: (212) 866-9236  
Facility Addr2: 461 CENTRAL PARK WEST  
Facility Type: Not reported  
Emergency: ORLANDO MOLINARES  
Emergency Tel: (212) 866-9236  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: ALGIN MANAGEMENT CO.  
Owner Address: 64-35 YELLOWSTONE BLVD  
Owner City,St,Zip: FOREST HILLS, NY 11375  
Federal ID: Not reported  
Owner Tel: (718) 896-9600  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: DAN HOCHSTADT  
Mailing Name: ALGIN MANAGEMENT CO.  
Mailing Address: 64-35 YELLOWSTONE BLVD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: FOREST HILLS, NY 11375  
Mailing Telephone: (718) 896-9600  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 06/22/2001  
Expiration: 06/30/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: Minor Data Missing  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT HOUSE (Continued)

U003386388

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Other  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

AG422  
WSW  
1/8-1/4  
0.222 mi.  
1170 ft.

V9791  
219 W 104TH STREET  
NEW YORK CITY, NY 10025

RCRA NonGen / NLR 1007207017  
NY MANIFEST NYP004035960

Site 6 of 9 in cluster AG

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
102 ft.

Date form received by agency: 01/03/2001  
Facility name: V9791  
Facility address: 219 W 104TH STREET  
NEW YORK CITY, NY 10025  
EPA ID: NYP004035960  
Mailing address: CONSOLIDATED EDISON INC.  
4 IRVING PLACE -- ROOM 300  
NEW YORK, NY 10003  
Contact: ANTHONY DRUMMINGS  
Contact address: CONSOLIDATED EDISON INC.  
NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**V9791 (Continued)**

**1007207017**

Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/02/2001  
Site name: V9791  
Classification: Not a generator, verified

Date form received by agency: 01/01/2001  
Site name: V9791  
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004035960  
Country: USA  
Location Address 1: V9791-219 W 104TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10001  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0215932  
Manifest Status: Not reported  
Trans1 State ID: 20855AD  
Trans2 State ID: Not reported  
Generator Ship Date: 02/10/1999  
Trans1 Recv Date: 02/10/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/10/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004035960  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

V9791 (Continued)

1007207017

Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 01357  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 1999

AG423  
WSW  
1/8-1/4  
0.222 mi.  
1174 ft.

CON EDISON SERVICE BOX: 27672  
2726 BROADWAY  
NEW YORK, NY 10025

RCRA NonGen / NLR 1016967481  
NY MANIFEST NYP004410882

Site 7 of 9 in cluster AG

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
104 ft.

Date form received by agency: 01/26/2014  
Facility name: CON EDISON SERVICE BOX: 27672  
Facility address: 2726 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYP004410882  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/26/2013  
Site name: CON EDISON SERVICE BOX: 27672  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 27672 (Continued)**

**1016967481**

NY MANIFEST:

EPA ID: NYP004410882  
Country: USA  
Location Address 1: FT OF 2726 BROADWAY  
Location Address 2: SB 27672  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 12/26/2013  
Trans1 Recv Date: 12/26/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/27/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004410882  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002237540GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AG424**    **LOT 17,TAXBLOCK 1876**  
**WSW**     **2726 BROADWAY**  
**1/8-1/4**   **MANHATTAN, NY 10025**  
**0.223 mi.**  
**1176 ft.**   **Site 8 of 9 in cluster AG**

**NY MANIFEST**    **S108983971**  
**NY E DESIGNATION**    **N/A**

**Relative:**  
**Higher**

NY MANIFEST:  
EPA ID:                    NYP004644522  
Country:                 USA  
Location Address 1:     2726 BROADWAY  
Location Address 2:     SB 27672  
Location City:           NEW YORK  
Location State:          NY  
Location Zip Code:      10025  
Location Zip Code 4:    Not reported

**Actual:**  
**104 ft.**

Mailing Info:  
Name:                     CON EDISON  
Contact:                 TOM TEELING  
Address:                 4 IRVING PLACE - 15TH FLOOR  
City/State/Zip:         NEW YORK, NY 10003  
Country:                 USA  
Phone:                    Not reported

Manifest:

Document ID:            Not reported  
Manifest Status:        Not reported  
Trans1 State ID:        NJD003812047  
Trans2 State ID:        Not reported  
Generator Ship Date:   09/01/2014  
Trans1 Recv Date:      09/01/2014  
Trans2 Recv Date:      Not reported  
TSD Site Recv Date:    09/03/2014  
Part A Recv Date:      Not reported  
Part B Recv Date:      Not reported  
Generator EPA ID:      NYP004644522  
Trans1 EPA ID:          Not reported  
Trans2 EPA ID:          Not reported  
TSDF ID:                NJD991291105  
Waste Code:            Not reported  
Quantity:                500  
Units:                    P - Pounds  
Number of Containers:   1  
Container Type:         TT - Cargo tank, tank trucks  
Handling Method:      T Chemical, physical, or biological treatment.  
Specific Gravity:        1  
Year:                     2014  
Manifest Tracking Num: 002608886GBF  
Import Ind:              N  
Export Ind:               N  
Discr Quantity Ind:     N  
Discr Type Ind:         N  
Discr Residue Ind:      N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind:   N  
Manifest Ref Num:      Not reported  
Alt Fac RCRA Id:        Not reported  
Alt Fac Sign Date:      Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LOT 17,TAXBLOCK 1876 (Continued)**

**S108983971**

Mgmt Method Type Code: H110

**E DESIGNATION:**

Tax Lot(s): 17  
Tax Block: 1876  
Borough Code: MN  
E-No: E-182  
Effective Date: 9/25/2007  
Satisfaction Date: Not reported  
Ceqr Number: 07DCP060M  
Ulurp Number: 070427ZMM  
Zoning Map No: 5d

Description: Exhaust stack location limitations  
Lot Remediation Date: Not reported

**AS425  
WSW  
1/8-1/4  
0.223 mi.  
1177 ft.**

**224 W 104TH ST  
NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015021667  
N/A**

**Site 1 of 10 in cluster AS**

**Relative:  
Higher**

**EDR Historical Cleaners:**

Name: OFF BROADWAY LAUNDRY  
Year: 2008  
Address: 224 W 104TH ST

**Actual:  
102 ft.**

Name: OFF BROADWAY LAUNDRY  
Year: 2009  
Address: 224 W 104TH ST

Name: OFF BROADWAY LAUNDRY  
Year: 2010  
Address: 224 W 104TH ST

Name: OFF BROADWAY LAUNDRY  
Year: 2011  
Address: 224 W 104TH ST

Name: OFF BROADWAY LAUNDRY  
Year: 2012  
Address: 224 W 104TH ST

**AT426  
NNE  
1/8-1/4  
0.223 mi.  
1180 ft.**

**CON EDISON MANHOLE: 24572  
AMSTERDAM AVE & 113TH ST NW  
NEW YORK, NY 10025**

**RCRA NonGen / NLR 1016455058  
FINDS NYP004342721  
NY MANIFEST**

**Site 1 of 10 in cluster AT**

**Relative:  
Higher**

**RCRA NonGen / NLR:**

Date form received by agency: 09/07/2013  
Facility name: CON EDISON MANHOLE: 24572  
Facility address: AMSTERDAM AVE & 113TH ST NW  
COR  
NEW YORK, NY 10025  
EPA ID: NYP004342721

**Actual:  
123 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 24572 (Continued)**

**1016455058**

Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/07/2013  
Site name: CON EDISON MANHOLE: 24572  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110056496643

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NYP004342721  
Country: USA  
Location Address 1: NWC 113 ST & AMSTERDAM AVE  
Location Address 2: MH #24572  
Location City: NEW YORK  
Location State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE: 24572 (Continued)**

**1016455058**

Location Zip Code: 10026  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 08/07/2013  
Trans1 Recv Date: 08/07/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/09/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004342721  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 1000  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002086733GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AT427**  
**NNE**  
**1/8-1/4**  
**0.224 mi.**  
**1181 ft.**

**ENGINE 47**  
**502 WEST 113TH STREET**  
**NEW YORK, NY 10025**

**NY HIST UST**    **U003394392**  
**NY AST**        **N/A**

**Site 2 of 10 in cluster AT**

**Relative:**  
**Higher**

HIST UST:

**Actual:**  
**122 ft.**

PBS Number: 2-357812  
 SPDES Number: Not reported  
 Emergency Contact: F.D.N.Y.  
 Emergency Telephone: (718) 999-2094  
 Operator: COMPANY OFFICER  
 Operator Telephone: (212) 570-4247  
 Owner Name: FIRE DEPARTMENT CITY OF NEW YORK  
 Owner Address: 9 METROTECH CENTER  
 Owner City,St,Zip: BROOKLYN, NY 11201-2094  
 Owner Telephone: (718) 999-2094  
 Owner Type: Local Government  
 Owner Subtype: The City of New York  
 Mailing Name: FDNY BUILDING MAINTENANCE DIVISION  
 Mailing Address: 48-34 35TH STREET  
 Mailing Address 2: Not reported  
 Mailing City,St,Zip: LONG ISLAND CITY, NY 11101  
 Mailing Contact: Not reported  
 Mailing Telephone: (718) 784-6510  
 Owner Mark: First Owner  
 Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
 Facility Addr2: 502 WEST 113TH STREET  
 SWIS ID: 6201  
 Old PBS Number: Not reported  
 Facility Type: OTHER  
 Inspected Date: Not reported  
 Inspector: Not reported  
 Inspection Result: Not reported  
 Federal ID: Not reported  
 Certification Flag: False  
 Certification Date: 09/25/1998  
 Expiration Date: 07/28/2003  
 Renew Flag: False  
 Renewal Date: Not reported  
 Total Capacity: 2550  
 FAMT: True  
 Facility Screen: No Missing Data  
 Owner Screen: No Missing Data  
 Tank Screen: Minor Data Missing  
 Dead Letter: False  
 CBS Number: Not reported  
 Town or City: NEW YORK CITY  
 County Code: 62  
 Town or City: 01  
 Region: 2  
  
 Tank Id: 003  
 Tank Location: UNDERGROUND  
 Tank Status: Closed-In Place  
 Install Date: Not reported  
 Capacity (gals): 275

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 47 (Continued)**

**U003394392**

Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: Not reported  
Leak Detection: Not reported  
Overfill Prot: Not reported  
Dispenser: Not reported  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 06/01/1997  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-357812  
Program Type: PBS  
UTM X: 587536.80484999996  
UTM Y: 4517626.0999600003  
Expiration Date: 07/28/2013  
Site Type: Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

**Affiliation Records:**

Site Id: 17928  
Affiliation Type: Facility Owner  
Company Name: FIRE DEPARTMENT  
Contact Type: ASST. COMMISSIONER  
Contact Name: JOSEPH M. MASTROPIETRO  
Address1: 9 METROTECH  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11201-2094  
Country Code: 001  
Phone: (718) 999-2094  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/11/2012

Site Id: 17928  
Affiliation Type: Mail Contact  
Company Name: BUILDINGS MAINTENANCE DIVISION  
Contact Type: Not reported  
Contact Name: JOSEPH M. MASTROPIETRO, ASST. COMMISSIONER  
Address1: FIRE DEPARTMENT  
Address2: 48-34 35TH STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 47 (Continued)**

**U003394392**

City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 784-6510  
EMail: MASTROJ@FDNY.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/29/2009

Site Id: 17928  
Affiliation Type: On-Site Operator  
Company Name: ENGINE 47  
Contact Type: Not reported  
Contact Name: COMPANY OFFICER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 570-4247  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 17928  
Affiliation Type: Emergency Contact  
Company Name: FIRE DEPARTMENT  
Contact Type: Not reported  
Contact Name: EOC/NOTIFICATION DESK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 999-2094  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/23/2012

Tank Info:

Tank Number: 001  
Tank Id: 35185  
Material Code: 0008  
Common Name of Substance: Diesel

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
J02 - Dispenser - Suction Dispenser

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 47 (Continued)**

**U003394392**

L09 - Piping Leak Detection - Exempt Suction Piping  
H05 - Tank Leak Detection - In-Tank System (ATG)  
B01 - Tank External Protection - Painted/Asphalt Coating  
I02 - Overfill - High Level Alarm  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
F01 - Pipe External Protection - Painted/Asphalt Coating  
G99 - Tank Secondary Containment - Other

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 08/01/1971  
Capacity Gallons: 550  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 04/11/2012  
Material Name: Diesel

Tank Number: 002  
Tank Id: 35186  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 12/01/1977  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 04/02/2012  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 04/11/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT428**      **ENGINE 47**  
**NNE**        **502 WEST 113TH STREET**  
**1/8-1/4**     **NEW YORK, NY 10025**  
**0.224 mi.**  
**1181 ft.**    **Site 3 of 10 in cluster AT**

**NY UST**    **U004077608**  
                 **N/A**

**Relative:**  
**Higher**

UST:

**Actual:**  
**122 ft.**

Id/Status: 2-357812 / Unregulated/Closed  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 07/28/2013  
UTM X: 587536.80484999996  
UTM Y: 4517626.0999600003  
Site Type: Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id: 17928  
Affiliation Type: Facility Owner  
Company Name: FIRE DEPARTMENT  
Contact Type: ASST. COMMISSIONER  
Contact Name: JOSEPH M. MASTROPIETRO  
Address1: 9 METROTECH  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11201-2094  
Country Code: 001  
Phone: (718) 999-2094  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 4/11/2012

Site Id: 17928  
Affiliation Type: Mail Contact  
Company Name: BUILDINGS MAINTENANCE DIVISION  
Contact Type: Not reported  
Contact Name: JOSEPH M. MASTROPIETRO, ASST. COMMISSIONER  
Address1: FIRE DEPARTMENT  
Address2: 48-34 35TH STREET  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 784-6510  
EMail: MASTROJ@FDNY.NYC.GOV  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/29/2009

Site Id: 17928  
Affiliation Type: On-Site Operator  
Company Name: ENGINE 47  
Contact Type: Not reported  
Contact Name: COMPANY OFFICER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ENGINE 47 (Continued)**

**U004077608**

Zip Code: Not reported  
Country Code: 001  
Phone: (212) 570-4247  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 17928  
Affiliation Type: Emergency Contact  
Company Name: FIRE DEPARTMENT  
Contact Type: Not reported  
Contact Name: EOC/NOTIFICATION DESK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 999-2094  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/23/2012

Tank Info:

Tank Number: 003  
Tank ID: 55108  
Tank Status: Closed - In Place  
Material Name: Closed - In Place  
Capacity Gallons: 275  
Install Date: Not reported  
Date Tank Closed: 06/01/1997  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AR429  
NNE  
1/8-1/4  
0.224 mi.  
1183 ft.

**CONSOLIDATED EDISON**  
**W 113 ST & AMSTERDAM AV V9152**  
**NEW YORK, NY 10004**

**NY MANIFEST**    **1009243927**  
**N/A**

**Site 2 of 2 in cluster AR**

**Relative:**  
**Higher**

NY MANIFEST:

EPA ID: NYP004135489  
Country: USA  
Location Address 1: W 113 ST & AMSTERDAM AV V9152  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10004  
Location Zip Code 4: Not reported

**Actual:**  
**122 ft.**

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0627138  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 09/13/2005  
Trans1 Recv Date: 09/13/2005  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/14/2005  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004135489  
Trans1 EPA ID: 46299JM  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 00807  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2005

AU430  
West  
1/8-1/4  
0.224 mi.  
1184 ft.

**CON EDISON SERVICE BOX: 51873**  
**936 WESTEND AVE FRONT OF**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**    **1016966453**  
**NY MANIFEST**    **NYP004393021**

**Site 1 of 13 in cluster AU**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 12/18/2013  
Facility name: CON EDISON SERVICE BOX: 51873  
Facility address: 936 WESTEND AVE FRONT OF  
NEW YORK, NY 10025

**Actual:**  
**109 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 51873 (Continued)**

**1016966453**

EPA ID: NYP004393021  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/18/2013  
Site name: CON EDISON SERVICE BOX: 51873  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004393021  
Country: USA  
Location Address 1: OPP 936 WEST END AVE  
Location Address 2: SB51873  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 51873 (Continued)**

**1016966453**

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 11/18/2013  
Trans1 Recv Date: 11/18/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 11/19/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004393021  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 400  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002086658GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AG431  
WSW  
1/8-1/4  
0.224 mi.  
1185 ft.**

**CON EDISON  
2731 BROADWAY  
NEW YORK, NY 10025  
Site 9 of 9 in cluster AG**

**NY MANIFEST S108983967  
NY E DESIGNATION N/A**

**Relative:  
Higher**

NY MANIFEST:  
EPA ID: NYP004641478  
Country: USA  
Location Address 1: 2731 BROADWAY  
Location Address 2: SB27668  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Actual:  
106 ft.**

Mailing Info:  
Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL  
Address 2: 15TH FL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S108983967**

City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 08/28/2014  
Trans1 Recv Date: 08/28/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/02/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004641478  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 002423945GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

E DESIGNATION:

Tax Lot(s): 12  
Tax Block: 1876  
Borough Code: MN  
E-No: E-182  
Effective Date: 9/25/2007  
Satisfaction Date: Not reported  
Ceqr Number: 07DCP060M  
Ulurp Number: 070427ZMM  
Zoning Map No: 5d

Description: Exhaust stack location limitations  
Lot Remediation Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT432** TRUSTEES OF COLUMBIA UNIV.  
**North** 506 WEST 113TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.225 mi.**  
**1187 ft.** Site 4 of 10 in cluster AT

NY AST U003394429  
NY HIST AST N/A

**Relative:**  
**Higher**

AST:

**Actual:**  
**122 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453463  
Program Type: PBS  
UTM X: 587527.46424  
UTM Y: 4517631.207410003  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19859  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19859  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: ASST. VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19859  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394429**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19859  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35668  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/01/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394429**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/20/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453463  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 506 WEST 113TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 865-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394429

Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 5  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AT433  
NNE  
1/8-1/4  
0.225 mi.  
1189 ft.

CON EDISON  
FO 501 W 113 ST  
NEW YORK, NY 10025

NY MANIFEST S117066872  
N/A

Site 5 of 10 in cluster AT

Relative:  
Higher

NY MANIFEST:  
EPA ID: NYP004595799  
Country: USA  
Location Address 1: FO 501 W 113 ST  
Location Address 2: SB 18582  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Actual:  
123 ft.

Mailing Info:  
Name: CON EDISON  
Contact: TOM TEELING  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/14/2014  
Trans1 Recv Date: 07/14/2014  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/14/2014  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**S117066872**

Part B Recv Date: Not reported  
Generator EPA ID: NYP004595799  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDf ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 011694102JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AT434**  
**NNE**  
**1/8-1/4**  
**0.225 mi.**  
**1189 ft.**

**ST. LUKES ROOSEVELT HOSPITAL CENTER**  
**501 WEST 113TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100326274**  
**N/A**

**Site 6 of 10 in cluster AT**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-045543  
Program Type: PBS  
UTM X: 587546.0655999997  
UTM Y: 4517634.8693399997  
Expiration Date: 12/02/2001  
Site Type: Apartment Building/Office Building

**Actual:**  
**123 ft.**

Affiliation Records:  
Site Id: 577  
Affiliation Type: Facility Owner  
Company Name: ST LUKES ROOSEVELT HOSPITAL CENTER  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 501 WEST 113TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 523-4523  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. LUKES ROOSEVELT HOSPITAL CENTER (Continued)**

**A100326274**

Modified By: NRLOMBAR  
Date Last Modified: 3/31/2009  
  
Site Id: 577  
Affiliation Type: Mail Contact  
Company Name: CONTINUUM SERVICES  
Contact Type: Not reported  
Contact Name: CARMEN GOMEZ  
Address1: 555 WEST 57TH STREET  
Address2: SUITE 5  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 523-4523  
EMail: CAGOMEZ@CHPNET.ORG  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/31/2009

Site Id: 577  
Affiliation Type: On-Site Operator  
Company Name: ST. LUKES ROOSEVELT HOSPITAL CENTER  
Contact Type: Not reported  
Contact Name: NOEL CHIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 523-5738  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/31/2009

Site Id: 577  
Affiliation Type: Emergency Contact  
Company Name: ST LUKES ROOSEVELT HOSPITAL CENTER  
Contact Type: Not reported  
Contact Name: ON CALL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 636-8300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/31/2009

Tank Info:

Tank Number: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. LUKES ROOSEVELT HOSPITAL CENTER (Continued)**

**A100326274**

Tank Id: 1433  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
I00 - Overfill - None  
L00 - Piping Leak Detection - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: 03/01/1950  
Capacity Gallons: 7500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 12/13/2000  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 03/31/2009  
Material Name: #6 Fuel Oil (On-Site Consumption)

AM435  
South  
1/8-1/4  
0.226 mi.  
1192 ft.

**NYCHA - DOUGLASS HOUSES**  
**885 COLUMBUS AVE**  
**NEW YORK, NY 10025**  
**Site 8 of 9 in cluster AM**

**RCRA NonGen / NLR 1004762488**  
**FINDS NYR000097444**  
**NY MANIFEST**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007  
Facility name: NYCHA - DOUGLASS HOUSES  
Facility address: 885 COLUMBUS AVE  
NEW YORK, NY 10025  
EPA ID: NYR000097444  
Mailing address: 49TH AVE  
LONG ISLAND CITY, NY 111014528  
Contact: ANTHONY SOLOMITA  
Contact address: 49TH AVE  
LONG ISLAND CITY, NY 111014528  
Contact country: US  
Contact telephone: (718) 707-5731  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**113 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCHA - DOUGLASS HOUSES (Continued)**

**1004762488**

Owner/Operator Summary:

Owner/operator name: NYCHA  
Owner/operator address: 23-02 49TH AVE  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 707-5731  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Owner/operator name: NYCHA  
Owner/operator address: 23-02 49TH AVE  
LONG ISLAND CITY, NY 11101  
Owner/operator country: US  
Owner/operator telephone: (718) 707-5731  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: NYCHA - DOUGLASS HOUSES  
Classification: Not a generator, verified

Date form received by agency: 05/30/2001  
Site name: NYCHA - DOUGLASS HOUSES  
Classification: Large Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D008  
. Waste name: LEAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCHA - DOUGLASS HOUSES (Continued)**

**1004762488**

Violation Status: No violations found

**FINDS:**

Registry ID: 110006539567

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYR000097444  
Country: USA  
Location Address 1: 885 COLUMBUS AVENUE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: NYCHA - DOUGLASS HOUSES  
Contact: NYCHA - DOUGLASS HOUSES  
Address: 23-02 49TH AVE - 5TH FLOOR  
City/State/Zip: QUEENS, NY 11101  
Country: USA  
Phone: 718-707-5725

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 09/07/2012  
Trans1 Recv Date: 09/07/2012  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/07/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000097444  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2.0  
Units: Y - Cubic yards\* (.85 tons)  
Number of Containers: 2.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCHA - DOUGLASS HOUSES (Continued)**

**1004762488**

Manifest Tracking Num: 010456501JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

**AU436**  
**West**  
**1/8-1/4**  
**0.226 mi.**  
**1193 ft.**

**CON EDISON MANHOLE 51879**  
**WEST END AVE & W 106 ST**  
**NEW YORK, NY 10011**

**RCRA NonGen / NLR** **1010326216**  
**NY MANIFEST** **NYP004140026**

**Site 2 of 13 in cluster AU**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 07/07/2006  
Facility name: CON EDISON MANHOLE 51879  
Facility address: WEST END AVE & W 106 ST  
NEW YORK, NY 10011  
EPA ID: NYP004140026  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: DAVID DUKE  
Contact address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

**Actual:**  
**109 ft.**

Contact country: US  
Contact telephone: (212) 580-8383  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 07/06/2006  
Site name: CON EDISON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON MANHOLE 51879 (Continued)**

**1010326216**

Classification: Not a generator, verified

Date form received by agency: 07/05/2006  
Site name: CON EDISON  
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004140026  
Country: USA  
Location Address 1: W 106 ST & WEST END AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10007  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE1540422  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 02/13/2006  
Trans1 Recv Date: 02/13/2006  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 02/14/2006  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004140026  
Trans1 EPA ID: 18887JU  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00125  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2006

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AU437**  
**West**  
**1/8-1/4**  
**0.226 mi.**  
**1193 ft.**

**CON EDISON**  
**WEST END AVE & W 106TH ST**  
**NEW YORK, NY 10025**

**RCRA-CESQG**  
**NY MANIFEST**  
**NJ MANIFEST**

**1014396445**  
**NYP004187092**

**Site 3 of 13 in cluster AU**

**Relative:**  
**Higher**

RCRA-CESQG:

Date form received by agency: 07/27/2009

Facility name: CON EDISON

Facility address: WEST END AVE & W 106TH ST  
 NEW YORK, NY 10025

EPA ID: NYP004187092

Mailing address: 4 IRVING PL, RM 828  
 NEW YORK, NY 10003

Contact: PATRICK HANLEY

Contact address: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: (347) 203-1475

Contact email: Not reported

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004187092  
 Country: USA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

1014396445

Location Address 1: F/O 953 W. END AVE  
Location Address 2: Not reported  
Location City: MANHATTAN  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/27/2009  
Trans1 Recv Date: 07/27/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/28/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004187092  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002200046  
Waste Code: Not reported  
Quantity: 700.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001084237GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

NJ MANIFEST:

EPA Id: NYP004187092  
Mail Address: 4 IRVING PL, RM 828  
Mail City/State/Zip: NEW YORK, NY 10003  
Facility Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

1014396445

Emergency Phone: Not reported  
Contact: PATRICK HANLEY  
Comments: Not reported  
SIC Code: Not reported  
County: NY061  
Municipal: Not reported  
Previous EPA Id: Not reported  
Gen Flag: Not reported  
Trans Flag: Not reported  
TSDf Flag: Not reported  
Name Change: Not reported  
Date Change: Not reported

Manifest:

Manifest Number: 001084237GBF  
EPA ID: NYP004187092  
Date Shipped: 07/27/2009  
TSDf EPA ID: NJD002200046  
Transporter EPA ID: NJ0000027193  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/27/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 07/28/2009  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Was Load Rejected: NEW YORK, NY 10003  
Reason Load Was Rejected: Not reported

Waste:

Manifest Year: 2009 New Jersey Manifest Data  
Waste Code: D008  
Hand Code: H111

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON (Continued)**

**1014396445**

Quantity: 700 P

**AU438**  
**West**  
**1/8-1/4**  
**0.227 mi.**  
**1199 ft.**

**LANCASTER STUDIO ASSOC LLC**  
**936 WEST END AVENUE**  
**NEW YORK, NY 10025**

**NY UST** **U001836620**  
**NY HIST UST** **N/A**

**Site 4 of 13 in cluster AU**

**Relative:**  
**Higher**

UST:

**Actual:**  
**109 ft.**

Id/Status: 2-290106 / Active  
 Program Type: PBS  
 Region: STATE  
 DEC Region: 2  
 Expiration Date: 09/19/2017  
 UTM X: 587022.43177999998  
 UTM Y: 4517217.2401900003  
 Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 13094  
 Affiliation Type: Facility Owner  
 Company Name: LANCASTER STUDIO ASSOC LLC  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 936 W END AVE  
 Address2: Not reported  
 City: NY  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 316-3939  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR  
 Date Last Modified: 6/26/2014

Site Id: 13094  
 Affiliation Type: Mail Contact  
 Company Name: LANCASTER STUDIO ASSOC  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 936 WEST END AVENUE  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 316-3939  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: NRLOMBAR  
 Date Last Modified: 6/26/2014

Site Id: 13094  
 Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANCASTER STUDIO ASSOC LLC (Continued)**

**U001836620**

Company Name: LANCASTER STUDIO ASSOC LLC  
Contact Type: Not reported  
Contact Name: RICHARD DERBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 440-6246  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/3/2007

Site Id: 13094  
Affiliation Type: Emergency Contact  
Company Name: LANCASTER STUDIO ASSOC LLC  
Contact Type: Not reported  
Contact Name: L. SOLOMON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 361-3939  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank ID: 18945  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: 01/01/1945  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: KAKYER  
Last Modified: 10/02/2012

Equipment Records:

B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANCASTER STUDIO ASSOC LLC (Continued)**

**U001836620**

H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
L00 - Piping Leak Detection - None

**HIST UST:**

PBS Number: 2-290106  
SPDES Number: Not reported  
Emergency Contact: BENJAMI HADAR  
Emergency Telephone: (212) 866-0400  
Operator: ROBERT COLON  
Operator Telephone: (212) 866-0400  
Owner Name: LANCASTER STUDIO ASSOC  
Owner Address: 936 W END AVE  
Owner City,St,Zip: NY, NY 10025  
Owner Telephone: (212) 866-0400  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Name: LANCASTER STUDIO ASSOC  
Mailing Address: 936 W END AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NY, NY 10025  
Mailing Contact: LANCASTER STUDIO ASSOC  
Mailing Telephone: (212) 866-0400  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Facility Addr2: 936 WEST END AVENUE  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 09/02/1997  
Expiration Date: 09/19/2002  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANCASTER STUDIO ASSOC LLC (Continued)**

**U001836620**

Region: 2  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (gals): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
Lat/long: Not reported

**AT439**  
**North**  
**1/8-1/4**  
**0.228 mi.**  
**1203 ft.**

**APARTMENT**  
**511 WEST 113TH STREET**  
**NEW YORK, NY**  
**Site 7 of 10 in cluster AT**

**NY LTANKS** **S107489183**  
**N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**122 ft.**

Site ID: 355843  
Spill Number/Closed Date: 0509968 / 4/5/2007  
Spill Date: 11/21/2005  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 11/21/2005  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/21/2005  
Spill Record Last Update: 4/5/2007  
Spiller Name: GUNTHER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT (Continued)**

**S107489183**

Spiller Company: APARTMENT  
Spiller Address: 511 WEST 113TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: GUNTHER  
Spiller Phone: (917) 750-8106  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 305880  
DEC Memo: Sangesland spoke to Rene at Eastmond. He says the building is a dorm of Columbia University. 5,000 gal tank in basement failed and several hundred gallons of #6 fuel oil are on the basement floor. Eastmond is doing the cleanup. DEC-Ketani responded to the site 11/21/05 - Raphael Ketani. I reached the site at about 11:30AM. I met George Pelissier (superintendent for the building), Rene Lewis (Eastmond Tank Cleaning (718)378-3000), and Gunther Zigel (building manager for Columbia University (212) 854-9427). Mr. Pelissier told me that he first noticed the oil seeping out through the concrete enwrapment. He added that there had been no recent deliveries. The crew from Eastmond was already on site. The cleanup was well under way. All of the oil had been vacuumed out of the tank. They were throwing down many bags of sand and Speedi-Dri to absorb the oil. It appeared that several hundred gallons had leaked out from the very bottom of the tank as it was seeping from the very bottom of the concrete encasement. The oil had seeped through a cinder block wall into the next room, but the floor of the tank room and the next room didn't have cracks and didn't have drains or gratings. It was not possible to see the back side of the concrete encasement as it was almost against the boiler room wall, but that wall forms part of the alleyway/walkway for the building and I didn't see any oil seeping through this wall. Next, I checked the boiler room and I didn't see any oil seeping through the wall that separates the second room from the boiler room. The boiler room, itself, showed no signs of oil spills. No oil was seeping outside of the tank room to outside of the building. I had Mr. Zigel take me to the first floor/lobby area of the building. Inside the elevator, there was only a very slight odor. The elevator shaft didn't seem to be a pathway for odors. Once there, we noticed a definite odor of oil. The odors seemed to be coming up from a recessed radiator box that sits over the tank room. I told Mr. Zigel that the floor needs to be ventilated. He opened the hallway doors and windows. Next, we went to the second floor. There was almost no odor there. Mr. Zigel opened up some windows in the hallway, anyway. I told Mr. Zigel that he would need to do soil borings around the tank footprint. He asked how many. I told him at least 6. He then asked what should be done next. I told him that it's up to Columbia University to decide whether to abandon the tank, repair it, or replace it. I told him that I would be sending a contaminated soil letter requesting that the site be investigated. Eastmond seemed to have things well in hand so I left. I sent a contaminated soil letter to: Peter Hoff, Institutional Real Estate, Columbia University Apartment Housing Office, 400 West 119 Street, NY, NY, 10027. This office's phone number is (212) 854-9300. The PBS case is #2-453978. 12/22/05 - Raphael Ketani. Issac Mungra of A. L. Eastmond & Son (718) 378-3000 called to say that the oil is completely cleaned up, but they discovered that the floor in the tank room is hollow sounding. There may be air space and another layer of concrete below. He asked me to join him for a site visit on 12/28 at 10AM to see

**APARTMENT (Continued)**

**S107489183**

whether the floor should be broken up to see whether oil exists below. I agreed to meet him. 12/28/05 - Raphael Ketani. I met Mr. Mungra at 10AM at the site. The #6 oil tank had been removed. There were well over 100 black plastic bags containing oily soil. The workers were digging southeast corner of the room and had gone down several feet when they hit a hard layer. I had them dig into the layer and it appeared to be made of loose cobbles and brick. The soil between the cobbles and brick was wet with oil. I told Mr. Mungra that they will have to dig below the rubble layer to get to clean soil. Mr. Mungra agreed to have his workers do this. Free oil seeped out of the southeast corner of the pit. Mr. Mungra said that they will clean this up, too. All of the work is being done by hand with pick and shovel. The workers have completely maybe 5% of the soil removal work in the tank room. Mr. Mungra ((718) 378-3000) and I walked up to the street level and we noticed staining on the wall next to the fill pipe. Mr. Mungra shook the fill pipe and noticed it was loose. I told Mr. Mungra that the wall will have to be cleaned and the fill pipe tightened up or repaired. He agreed to do this. I will send a letter to the Columbia University Housing Office telling them that they have to remove more soil and repair the fill pipe.

1/5/06 - Raphael Ketani. I left a message for Mr. Zagel of Columbia University telling him that Eastmond was digging in the tank room and that removing soil greater than 2 feet down may require bringing in an engineer to check on support for the building during the soil removal process. I also called Mr. Mungra and told him that he shouldn't dig more than 2 feet down without having an engineer look at the site. I told him that digging deeper could remove support for the columns and could result in building damage. He said that, right now, his crew is just digging laterally and no deeper than I had seen on 12/28/05. I told him that soil borings may need to be done in the court yard behind the building and in the sidewalk in front to see whether the oil had spread that far. Mr. Mungra said that he wanted to first dig up the entire tank room and adjacent room floor and see whether the oil spread any further. He added that if the oil did spread more, then he will have soil borings done.

2/7/06 - Raphael Ketani. I made a site visit. No one was there from Eastmond. Digging had stopped in the tank room. Only the southern third of the floor had been broken open - which was as I left it the last time I was there. The digging had gone down about 5 feet at the southern end of the former tank footprint. Black debris and soil were evident. There was a moderate oily odor, but no free oil. The edge of the soil exposed at the northern end of the pit just below the floor looked clean, but it was not clear if the soil under the rest of the floor was clean. Later, I was able to reach Isaac of Eastmond. I told him that his crew should expose more of the soil under the floor because there are lots of cracks in the concrete. He said he would do this. I told him that there is still lots of oily soil in the dug out pit, but that he should get an engineer to look at how deep he has dug before removing more soil. He said he would get an engineer, also.

2/13/06 - Raphael Ketani. Mr. Zagel called me to say that he had stopped Eastmond from digging out more of the basement as they had dug 4 feet deep at one point and had left very little support for 2 columns. I told him to get an engineer to look at the open pit. I also told him that Eastmond shouldn't dig deeper than 2 feet anywhere or else he should have an engineer evaluate the site for structural integrity of the building. He said he would. I told him that the rest of the tank room floor needed to be broken open as there are cracks

**APARTMENT (Continued)**

**S107489183**

in the floor and the oil most likely seeped into the soil below. He said the will call Eastmond again and bring them back to do some shallow digging. 3/6/06 - Raphael Ketani. I tried to reach Mr. Zagel, but he wasn't in. So I left a message for him to call me back. I talked to Isaac of Eastmond and he said that his crew finished the contaminated soil removal last week. He said that they dug down about 2' in most of the tank room, but not the whole area, as the oil hadn't soaked into the ground everywhere. He added that they power washed the tank room and the room next door that had a little oil seep through the cinder block wall. He said he will send me a letter report regarding the work that was done. 3/22/06 - Raphael Ketani. I spoke to Issac. He said that he is done digging the floor and has power washed it. He said he will send soil manifests to Mr. Zagel. He said that Eastmond will backfill with clean fill and recement the floor. He added that Eastmond will replace the tank and connect all lines, but he didn't give me a date when all this will start. 4/6/06 - Raphael Ketani. I called Isaac of Eastmond and asked him for the status of the cleanup. He said that everything is the same as the last time I talked to him. He said nothing has been backfilled. I told Isaac that I needed progress to be made and a spill cleanup report. He said he will call Mr. Zagel. 4/12/06 - Raphael Ketani. Mr. Zagel called me back and said that he will contact Eastmond and have them backfill the site and recement the floor. 6/21/06 - Raphael Ketani. I tried to call Mr. Zagel, but he was on vacation until the end of July. I left a message on his cell phone (917) 750-8106. I called Issac of Eastmond and he said that after the digging was finished, his company was released from the job and Columbia University took over the project themselves. I called up the Columbia University Apartment Housing Office and tried to talk to someone involved with the building. They referred me to the superintendent of the building, Mr. George Pelissir (212) 866-8643. I called up the super. and asked him what was the status of the site. He said that the hole was filled back in and a new tank was installed 2 days ago. I asked him who did this. He said that another company put in the tank. I asked him whether he had the paperwork from Eastmond, the soil manifests, and the paperwork for the tank installation. He said no, but he will call the housing management office to have it sent to me. 8/11/06 - Raphael Ketani. I reached Mr. Zagel. He said he was in California right now, but could hear me via his cell phone. He said he has all of the paperwork and will put it together by the end of next week and will send it to me sometime during the week of August 21. 8/30/06 - Raphael Ketani. I contacted Mr. Zagel. He said that there were several contractors involved and that's why it's taking so long to get all of the paperwork. I asked him about the revised PBS registration. He said that is one of the things that is holding him up. 10/3/06 - Raphael Ketani. I received a package of documents from Mr. Zagel. It contained a cover letter, a letter from an architect stating that the 3 borings he observed did not have oil in them, 2 building permits for the tank work, a copy of the certificate of occupancy, 2 asbestos exemption certification letters, 3 oily soil manifests, 3 digital photos of the tank room, and a blueprint from the architect for installation of the new 2500 gal. tank. The revised PBS Application was not included in the package. I tried to reach Mr. Zagel at (212) 854-9427, but could only leave a voice mail. 10/26/06 - Raphael Ketani. Mr. Zagel (917) 750-8106 left a voice mail stating that he is working on the revised PBS application. 11/10/06 - Raphael Ketani. I tried reaching Mr. Zagel, but could only leave a voice mail

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT (Continued)

S107489183

on his cell answering service. The PBS record has not been revised to show removal of the old tank and installation of a new one. Mr. Zagel left me a voice mail that he sent the PBS form on 11/9/06 and to call him when I receive it. 11/17/06 - Raphael Ketani. I spoke to Nick Lombardo of the PBS Unit regarding the submission of the revised form. Mr. Lombardo informed me that Mr. Zagel submitted the wrong form, it was also unsigned, the old tank was listed twice, the line for the new tank was not completely filled out. Mr. Lombardo said he sent the form back with a checklist regarding what needed correction. 4/5/07 - Raphael Ketani. I checked the PBS case #2-453978 and it shows that the 5,000 gal. tank was closed and removed and the new 2,500 gal. tank was installed. As the revised PBS was the only item holding up closing the spill case and this has been taken care of, I am closing the case today based upon the documentation in the case file.

Remarks: tank wrapped in concrete ruptured, cleaning up at this time

Material:

Site ID: 355843  
Operable Unit ID: 1113178  
Operable Unit: 01  
Material ID: 2103227  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 500  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AT440  
North  
1/8-1/4  
0.228 mi.  
1203 ft.

TRUSTEES OF COLUMBIA UNIVERSITY  
511 WEST 113TH STREET  
NEW YORK, NY 10025

NY AST A100300759  
N/A

Site 8 of 10 in cluster AT

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453978  
Program Type: PBS  
UTM X: 587522.79911999998  
UTM Y: 4517647.5834499998  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

Actual:  
122 ft.

Affiliation Records:

Site Id: 19903  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY (Continued)**

**A100300759**

Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19903  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19903  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19903  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY (Continued)**

**A100300759**

Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/16/2013

Tank Info:

Tank Number: 001  
Tank Id: 35743  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 03/01/2006  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 12/18/2006  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 002  
Tank Id: 215705  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B02 - Tank External Protection - Original Sacrificial Anode  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
G01 - Tank Secondary Containment - Diking (Aboveground)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY (Continued)**

**A100300759**

L09 - Piping Leak Detection - Exempt Suction Piping  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/01/2006  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

**AU441**  
**West**  
**1/8-1/4**  
**0.229 mi.**  
**1207 ft.**

**300 WEST 106 STREET**  
**300 WEST 106 STREET**  
**NEW YORK, NY 10025**  
**Site 5 of 13 in cluster AU**

**NY AST** **U003385580**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-148598  
Program Type: PBS  
UTM X: 587028.63508000004  
UTM Y: 4517256.5039100004  
Expiration Date: 07/10/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 4437  
Affiliation Type: Facility Owner  
Company Name: 300 W. 106 ST CORP  
Contact Type: PRESIDENT  
Contact Name: ISADORA HECHT  
Address1: 339 WEST 85 STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 877-7871  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 5/18/2012

Site Id: 4437  
Affiliation Type: Mail Contact  
Company Name: 300 W. 106 ST CORP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 106 STREET (Continued)**

**U003385580**

Contact Type: Not reported  
Contact Name: ISADORA SILVERMAN  
Address1: 339 WEST 85 STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 877-7871  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4437  
Affiliation Type: On-Site Operator  
Company Name: 300 WEST 106 STREET  
Contact Type: Not reported  
Contact Name: FELIX DIAZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 617-5983  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 3/21/2007

Site Id: 4437  
Affiliation Type: Emergency Contact  
Company Name: 300 W. 106 ST CORP  
Contact Type: Not reported  
Contact Name: ISADORA SILVERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 877-7871  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 8061  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 106 STREET (Continued)**

**U003385580**

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1920  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: KAKYER  
Last Modified: 05/18/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-148598  
SWIS Code: 6201  
Operator: MOSES HILLIARD  
Facility Phone: (212) 877-7871  
Facility Addr2: 300 WEST 106 STREET  
Facility Type: APARTMENT BUILDING  
Emergency: ISADORA SILVERMAN  
Emergency Tel: (212) 877-7871  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 300 W. 106 ST CORP  
Owner Address: 339 WEST 85 STREET  
Owner City,St,Zip: NEW YORK, NY 10024  
Federal ID: Not reported  
Owner Tel: (212) 877-7871  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: ISADORA SILVERMAN  
Mailing Name: 300 W. 106 ST CORP  
Mailing Address: 339 WEST 85 STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 877-7871  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**300 WEST 106 STREET (Continued)**

**U003385580**

Certification Flag: False  
Certification Date: 08/13/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2

Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AV442  
East  
1/8-1/4  
0.229 mi.  
1209 ft.

**CON EDISON GAS MAIN NONE**  
**311 W 111TH ST GAS MAIN NONE**  
**NEW YORK, NY 10026**

**RCRA NonGen / NLR 1010326828**  
**NY MANIFEST NYP004143269**

**Site 1 of 5 in cluster AV**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency: 11/17/2006

**Actual:**  
**47 ft.**

Facility name: CON EDISON GAS MAIN NONE  
Facility address: 311 W 111TH ST GAS MAIN NONE  
NEW YORK, NY 10026  
EPA ID: NYP004143269  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON GAS MAIN NONE (Continued)**

**1010326828**

Contact: ANDREW FIORE  
Contact address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (212) 580-8383  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/16/2006  
Site name: CON EDISON  
Classification: Not a generator, verified

Date form received by agency: 11/15/2006  
Site name: CON EDISON  
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004143269  
Country: USA  
Location Address 1: WILL ST & MANHATTAN AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PL RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON GAS MAIN NONE (Continued)

1010326828

Manifest:

Document ID: NYE1593792  
Manifest Status: Not reported  
Trans1 State ID: NYD006982359  
Trans2 State ID: Not reported  
Generator Ship Date: 06/29/2006  
Trans1 Recv Date: 06/29/2006  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/30/2006  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004143269  
Trans1 EPA ID: 12446JT  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D018 - BENZENE 0.5 MG/L TCLP  
Quantity: 00050  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2006

AN443  
East  
1/8-1/4  
0.230 mi.  
1213 ft.

R & S STRAUSS  
2027 8TH AVE  
NEW YORK, NY 10026  
Site 2 of 9 in cluster AN

RCRA NonGen / NLR 1000132802  
FINDS NYD980757967

Relative:  
Lower

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007  
Facility name: R & S STRAUSS  
Facility address: 2027 8TH AVE  
NEW YORK, NY 10026  
EPA ID: NYD980757967  
Mailing address: 8TH AVE  
NEW YORK, NY 10026  
Contact: Not reported  
Contact address: 8TH AVE  
NEW YORK, NY 10026  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
48 ft.

Owner/Operator Summary:

Owner/operator name: R&S STRAUSS  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**R & S STRAUSS (Continued)**

**1000132802**

Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
  
Owner/operator name: R&S STRAUSS  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: R & S STRAUSS  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: R & S STRAUSS  
Classification: Not a generator, verified

Date form received by agency: 06/29/1983  
Site name: R & S STRAUSS  
Classification: Large Quantity Generator

. Waste code: NONE  
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004389974

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**R & S STRAUSS (Continued)**

**1000132802**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**AT444**  
**North**  
**1/8-1/4**  
**0.230 mi.**  
**1215 ft.**

**517 W 113TH ST**  
**517 W 113TH ST**  
**NY, NY 10025**  
**Site 9 of 10 in cluster AT**

**NY AST U003388417**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
 DEC Region: 2  
 Site Status: Unregulated/Closed  
 Facility Id: 2-275956  
 Program Type: PBS  
 UTM X: 587508.78891999996  
 UTM Y: 4517655.18915  
 Expiration Date: 02/28/2013  
 Site Type: Apartment Building/Office Building

**Actual:**  
**120 ft.**

**Affiliation Records:**

Site Id: 11857  
 Affiliation Type: Mail Contact  
 Company Name: ACQUISITION AMERICAN X, LLC C/O EMPIRE MGMT.  
 Contact Type: Not reported  
 Contact Name: STEVEN KURLANDER  
 Address1: 347 FIFTH AVE, STE 1600  
 Address2: Not reported  
 City: NY  
 State: NY  
 Zip Code: 10016  
 Country Code: 001  
 Phone: (212) 686-5252  
 EMail: STEVENFAIRLINE@GMAIL.COM  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 11/28/2012

Site Id: 11857  
 Affiliation Type: On-Site Operator  
 Company Name: 517 W 113TH ST  
 Contact Type: Not reported  
 Contact Name: QAZIM ZEGAS  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported  
 State: NN  
 Zip Code: Not reported  
 Country Code: 001  
 Phone: (212) 316-3570  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: MSBAPTIS  
 Date Last Modified: 11/28/2012

Site Id: 11857  
 Affiliation Type: Emergency Contact

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**517 W 113TH ST (Continued)**

**U003388417**

Company Name: ACQUISITION AMERICAN X, LLC  
Contact Type: Not reported  
Contact Name: STEVEN KURLANDER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Site Id: 11857  
Affiliation Type: Facility Owner  
Company Name: ACQUISITION AMERICAN X, LLC  
Contact Type: AGENT  
Contact Name: STEVEN KURLANDER  
Address1: 347 FIFTH AVE, STE 1600  
Address2: Not reported  
City: NY  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 686-5252  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/28/2012

Tank Info:

Tank Number: 001  
Tank Id: 13929  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**517 W 113TH ST (Continued)**

**U003388417**

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 05/26/2011  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/28/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-275956  
SWIS Code: 6201  
Operator: JACK REXHAJ  
Facility Phone: (212) 316-4041  
Facility Addr2: 517 W 113TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: JACK REXHAJ  
Emergency Tel: (212) 316-4041  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: SIMKOWITZ CDE TRUST C/O METRO MANAGEMENT  
Owner Address: 42-25 21ST STREET  
Owner City,St,Zip: L.I.C., NY 11101  
Federal ID: Not reported  
Owner Tel: (718) 706-7755  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: SIMKOWITZ CDE TRUST  
Mailing Address: C/O METRO MANAGEMENT  
Mailing Address 2: 42-25 21ST STREET  
Mailing City,St,Zip: L.I.C., NY 11101  
Mailing Telephone: (718) 706-7755  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 09/26/1997  
Expiration: 07/10/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

517 W 113TH ST (Continued)

U003388417

Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 1  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AU445  
West  
1/8-1/4  
0.230 mi.  
1216 ft.

ASCENSION CHURCH RETREAT HOME  
302 W 106 ST  
NEW YORK, NY 10025  
Site 6 of 13 in cluster AU

NY AST U003389613  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Inactive  
Facility Id: 2-204455  
Program Type: PBS  
UTM X: 587025.91865999997  
UTM Y: 4517257.9152199998  
Expiration Date: 07/20/2002  
Site Type: Other

Actual:  
109 ft.

Affiliation Records:  
Site Id: 7107  
Affiliation Type: Facility Owner  
Company Name: FR DONALD JOHNSTON  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 221 W 107 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ASCENSION CHURCH RETREAT HOME (Continued)

U003389613

Modified By: TRANSLAT  
Date Last Modified: 3/4/2004  
  
Site Id: 7107  
Affiliation Type: Mail Contact  
Company Name: ROMAN CATHOLIC CHURCH OF ASCENSION  
Contact Type: Not reported  
Contact Name: RV. JOHN P. DUFFELL, PAST  
Address1: 221 W 107 ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7107  
Affiliation Type: On-Site Operator  
Company Name: ASCENSION CHURCH RETREAT HOME  
Contact Type: Not reported  
Contact Name: CORNELIOUS MARQUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 7107  
Affiliation Type: Emergency Contact  
Company Name: FR DONALD JOHNSTON  
Contact Type: Not reported  
Contact Name: CORNELIOUS MARQUEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-0666  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH RETREAT HOME (Continued)**

**U003389613**

Tank Id: 17011  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Tank Converted to Non-Regulated Use  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 1200  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: JMKRIMGO  
Last Modified: 04/08/2008  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-204455  
SWIS Code: 6201  
Operator: CORNELIOUS MARQUEZ  
Facility Phone: (212) 222-0666  
Facility Addr2: 302 W 106 ST  
Facility Type: OTHER  
Emergency: CORNELIOUS MARQUEZ  
Emergency Tel: (212) 222-0666  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: FR DONALD JOHNSTON  
Owner Address: 221 W 107 ST  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 222-0666  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RV. JOHN P. DUFFELL, PAST  
Mailing Name: ROMAN CATHOLIC CHURCH OF ASCENSION  
Mailing Address: 221 W 107 ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 222-0666

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ASCENSION CHURCH RETREAT HOME (Continued)**

**U003389613**

Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/01/1997  
Expiration: 07/20/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 1200  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 1200  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
SPDES Number: Not reported  
Lat/Long: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AK446**  
**SE**  
**1/8-1/4**  
**0.231 mi.**  
**1220 ft.**

**NYCDEP - SHAFT 12**  
**CENTRAL PARK W & E 106TH ST**  
**NEW YORK, NY 10025**

**RCRA-CESQG** **1000393218**  
**NY MANIFEST** **NYD986870590**

**Site 13 of 13 in cluster AK**

**Relative:**  
**Lower**

RCRA-CESQG:

Date form received by agency: 12/26/2013

Facility name: NYCDEP - SHAFT 12

Facility address: CENTRAL PARK W & E 106TH ST

NEW YORK, NY 10025

EPA ID: NYD986870590

Mailing address: JUNCTION BLVD  
3RD FLOOR LOW RISE  
FLUSHING, NY 11373

Contact: SHAY MCATAMNEY

Contact address: JUNCTION BLVD 3RD FLOOR LOW RISE  
FLUSHING, NY 11373

Contact country: US

Contact telephone: (718) 595-4618

Contact email: SMCATAMNEY@DEP.NYC.GOV

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NYC DEPT OF ENVIRONMENTAL PROTECTION

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Operator

Owner/Op start date: 05/29/1996

Owner/Op end date: Not reported

Owner/operator name: NYCDEP

Owner/operator address: 59-17 JUNCTION BLVD

CORONA, NY 11368

Owner/operator country: US

Owner/operator telephone: (718) 595-3518

Legal status: Municipal

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2001

Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCDEP - SHAFT 12 (Continued)**

**1000393218**

Owner/operator name: NYCDEP  
Owner/operator address: 59-17 JUNCTION BLVD  
CORONA, NY 11368  
Owner/operator country: US  
Owner/operator telephone: (718) 595-3518  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Owner/operator name: NYC DEPT OF ENVIRONMENTAL PROTECTION  
Owner/operator address: JUNCTION BLVD  
FLUSHING, NY 11373  
Owner/operator country: US  
Owner/operator telephone: (212) 639-9675  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: 05/29/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

Historical Generators:

Date form received by agency: 01/01/2007  
Site name: NYCDEP - SHAFT 12  
Classification: Not a generator, verified

Date form received by agency: 01/01/2006  
Site name: NYCDEP - SHAFT 12  
Classification: Not a generator, verified

Date form received by agency: 11/01/2000  
Site name: NYCDEP - SHAFT 12  
Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCDEP - SHAFT 12 (Continued)**

**1000393218**

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D009  
. Waste name: MERCURY

Date form received by agency: 07/08/1999  
Site name: NYCDEP - SHAFT 12  
Classification: Not a generator, verified

Date form received by agency: 06/23/1988  
Site name: NYCDEP - SHAFT 12  
Classification: Large Quantity Generator

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYD986870590  
Country: USA  
Location Address 1: 106TH AVENUE & CENTRAL PKWY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: NEW YORK CITY BUREAU OF WATER SUPPLY  
Contact: NEW YORK CITY BUREAU OF WATER SUPPLY  
Address: 44 BEAVER STREET-7TH FL  
City/State/Zip: NEW YORK, NY 10040  
Country: USA  
Phone: 215-692-3030

**Manifest:**

Document ID: NYB2213865  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: MM5929  
Trans2 State ID: Not reported  
Generator Ship Date: 01/04/1991  
Trans1 Recv Date: 01/04/1991  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/04/1991  
Part A Recv Date: 01/10/1991  
Part B Recv Date: 01/31/1991  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSDf ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00440  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 008  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCDEP - SHAFT 12 (Continued)**

**1000393218**

Quantity: 01155  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 021  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1991

Document ID: NJA0462459  
Manifest Status: Completed copy  
Trans1 State ID: S58112603  
Trans2 State ID: Not reported  
Generator Ship Date: 07/20/1988  
Trans1 Recv Date: 07/20/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/20/1988  
Part A Recv Date: 08/11/1988  
Part B Recv Date: 07/28/1988  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NJD982281016  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01400  
Units: P - Pounds  
Number of Containers: 007  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00275  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 005  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1988

Document ID: NYB2207106  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NL6934  
Trans2 State ID: Not reported  
Generator Ship Date: 02/05/1990  
Trans1 Recv Date: 02/05/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 02/05/1990  
Part A Recv Date: 04/13/1990  
Part B Recv Date: 02/21/1990  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01000  
Units: P - Pounds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCDEP - SHAFT 12 (Continued)**

**1000393218**

Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1990

Document ID: NYB2206035  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: NL6934  
Trans2 State ID: Not reported  
Generator Ship Date: 12/29/1989  
Trans1 Recv Date: 12/29/1989  
Trans2 Recv Date: / /  
TSD Site Recv Date: 12/29/1989  
Part A Recv Date: 02/20/1990  
Part B Recv Date: 01/09/1990  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSDf ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00660  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 012  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1989

Document ID: NYB2163123  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 04/03/1990  
Trans1 Recv Date: 04/03/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 04/03/1990  
Part A Recv Date: 08/15/1990  
Part B Recv Date: 04/16/1990  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSDf ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1990

Document ID: NYB2162277  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYCDEP - SHAFT 12 (Continued)**

**1000393218**

Trans1 State ID: MM5929  
Trans2 State ID: Not reported  
Generator Ship Date: 03/12/1990  
Trans1 Recv Date: 03/12/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 03/12/1990  
Part A Recv Date: 06/26/1990  
Part B Recv Date: 04/02/1990  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01050  
Units: P - Pounds  
Number of Containers: 007  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1990

Document ID: NYB2206431  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: NL6934  
Trans2 State ID: Not reported  
Generator Ship Date: 01/11/1990  
Trans1 Recv Date: 01/11/1990  
Trans2 Recv Date: / /  
TSD Site Recv Date: 01/11/1990  
Part A Recv Date: 03/15/1990  
Part B Recv Date: 01/24/1990  
Generator EPA ID: NYD986870590  
Trans1 EPA ID: NYD077444263  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00275  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1990

Document ID: NJA0462418  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: S5811  
Trans2 State ID: Not reported  
Generator Ship Date: 07/06/1988  
Trans1 Recv Date: 07/06/1988  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/06/1988  
Part A Recv Date: 08/24/1988  
Part B Recv Date: 07/21/1988  
Generator EPA ID: NYD986870590

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYCDEP - SHAFT 12 (Continued)

1000393218

Trans1 EPA ID: NJD982281016  
Trans2 EPA ID: Not reported  
TSDf ID: NJD002200046  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00440  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 008  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 03400  
Units: P - Pounds  
Number of Containers: 017  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01000  
Units: P - Pounds  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 1988

AU447  
West  
1/8-1/4  
0.233 mi.  
1229 ft.

THE WESTBOURNE  
930 WEST END AVENUE  
NEW YORK, NY 10025  
Site 7 of 13 in cluster AU

NY AST U003396398  
NY HIST AST N/A

Relative:  
Higher

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601993  
Program Type: PBS  
UTM X: 587014.09441999998  
UTM Y: 4517201.59901  
Expiration Date: 12/11/2019  
Site Type: Private Residence

Actual:  
109 ft.

Affiliation Records:  
Site Id: 23952  
Affiliation Type: Mail Contact  
Company Name: WESTSIDE FEDERATION FOR SENIOR HOUSING  
Contact Type: Not reported  
Contact Name: DAN DROSIN  
Address1: 2345 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 721-6032  
EMail: Not reported  
Fax Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE WESTBOURNE (Continued)**

**U003396398**

Modified By: CGFREEDM  
Date Last Modified: 11/19/2014

Site Id: 23952  
Affiliation Type: On-Site Operator  
Company Name: THE WESTBOURNE  
Contact Type: Not reported  
Contact Name: ESSIE OATES  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 864-0940  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 7/24/2009

Site Id: 23952  
Affiliation Type: Emergency Contact  
Company Name: THE WESTBOURNE ASSOCIATES, LP  
Contact Type: Not reported  
Contact Name: DAN DROSIN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 721-6032  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 23952  
Affiliation Type: Facility Owner  
Company Name: WESTBOURNE HDFC  
Contact Type: DIRECTOR OF PROPERTY MANAGEMENT  
Contact Name: DANIEL DROSIN  
Address1: 2345 BROADWAY  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10024  
Country Code: 001  
Phone: (212) 721-6032  
EMail: Not reported  
Fax Number: Not reported  
Modified By: CGFREEDM  
Date Last Modified: 11/19/2014

Tank Info:

Tank Number: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE WESTBOURNE (Continued)**

**U003396398**

Tank Id: 48672  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
H05 - Tank Leak Detection - In-Tank System (ATG)  
C01 - Pipe Location - Aboveground  
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1989  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 11/19/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-601993  
SWIS Code: 6201  
Operator: OSVALDO ROSADO  
Facility Phone: (212) 864-0940  
Facility Addr2: Not reported  
Facility Type: PRIVATE RESIDENCE  
Emergency: DAN DROSIN  
Emergency Tel: (212) 721-6032  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: THE WESTBOURNE ASSOCIATES, LP  
Owner Address: 930 WEST END AVENUE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 864-0940  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: DAN DROSIN  
Mailing Name: WESTSIDE FEDERATION FOR SENIOR HOUSING  
Mailing Address: 2345 BROADWAY  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10024  
Mailing Telephone: (212) 721-6032

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**THE WESTBOURNE (Continued)**

**U003396398**

Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 08/27/1999  
Expiration: 10/14/2004  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 01  
Pipe Location: Aboveground  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 01  
Tank Containment: Diking  
Leak Detection: 04  
Overfill Protection: 06  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AH448** TRUSTEES OF COLUMBIA UNIV.  
**North** 526 WEST 113TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.233 mi.**  
**1230 ft.** Site 4 of 5 in cluster AH

NY AST U003394482  
NY HIST AST N/A

**Relative:**  
**Higher**

AST:

**Actual:**  
**119 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453951  
Program Type: PBS  
UTM X: 587480.84835999995  
UTM Y: 4517656.5238100002  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19902  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19902  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19902  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394482**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19902  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35742  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/01/1963  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394482**

Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-453951  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 526 WEST 113TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394482**

Capacity (Gal): 3000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AS449**  
**WSW**  
**1/8-1/4**  
**0.234 mi.**  
**1237 ft.**

**REGION FAMILY RESIDENCE**  
**2720 BROADWAY**  
**MANHATTAN, NY**

**NY LTANKS** **S105135321**  
**N/A**

**Site 2 of 10 in cluster AS**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**102 ft.**

Site ID: 250582  
Spill Number/Closed Date: 0105038 / 1/20/2006  
Spill Date: 8/9/2001  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SXAHMED  
Referred To: Not reported  
Reported to Dept: 8/9/2001  
CID: 207  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/9/2001  
Spill Record Last Update: 1/25/2006  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: TED MAFFEI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGION FAMILY RESIDENCE (Continued)**

**S105135321**

Spiller Phone: (917) 579-0858  
Spiller Extension: Not reported  
DEC Region: 2  
DER Facility ID: 205402  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"10/13/05, SA: PBS record shows that an above ground 5000 gal cap. tank was closed on 6/1/02 at this location. Left message on both nos. to call me back.10/21/2005: Talked to Vol. of America (212 865 7000 ext 217). That person informed me that he was working there at that time but could not remember any incident happend like that. Also informed, the site is now very clean and there is no problem exits now. (Sadique)12/22/2005: Site visit may help to close the spill. (Sadique)01/20/2006: John Grathwol and I visited the spill location on 01/18/2006 at 12:00pm. Met with building superintendent Mr. Arpad Szabo. Inspected the basement. They removed the old tank and put in a new tank. Vault around the tnak. Inside the vault and surrounding floor was very clean. Well maintained. No oil mark or spill were visible. Spill can be closed. (Sadique)01/20/2006: Spill closed. (Sadique)  
Remarks: Not reported

Material:

Tank Test:

Site ID: 250582  
Spill Tank Test: 1526519  
Tank Number: 1  
Tank Size: 5000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

Site ID: 250583  
Spill Number/Closed Date: 9401046 / 12/27/2002  
Spill Date: 4/18/1994  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 4/21/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Federal Government  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGION FAMILY RESIDENCE (Continued)**

**S105135321**

Date Entered In Computer: 4/27/1994  
Spill Record Last Update: 12/27/2002  
Spiller Name: Not reported  
Spiller Company: NYC. DEPT. OF HOME SVCS  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 205402  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"REFERRED TO DEP HAZMAT.  
Remarks: SPILL CONTAINED IN BASEMENT SORBENT WAS APPLIED & DISPOSED OF.

Material:  
Site ID: 250583  
Operable Unit ID: 998395  
Operable Unit: 01  
Material ID: 384820  
Material Code: 0017A  
Material Name: PCB OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AS450**  
**WSW**  
**1/8-1/4**  
**0.234 mi.**  
**1237 ft.**

**REGENT HOTEL**  
**2720 BROADWAY**  
**NEW YORK, NY 10025**  
**Site 3 of 10 in cluster AS**

**NY AST** **A100177841**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601265  
Program Type: PBS  
UTM X: 587083.78781000001  
UTM Y: 4517065.0854900004  
Expiration Date: 07/05/2016  
Site Type: Other

**Actual:**  
**102 ft.**

Affiliation Records:  
Site Id: 23232  
Affiliation Type: Mail Contact  
Company Name: NYC DEPARTMENT OF HOMELESS SERVICES  
Contact Type: DIRECTOR (M&R)  
Contact Name: PETER DEMPSEY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGENT HOTEL (Continued)**

**A100177841**

Address1: 10107 FARRAGUT ROAD  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11236  
Country Code: 001  
Phone: (718) 688-8520  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/18/2011

Site Id: 23232  
Affiliation Type: On-Site Operator  
Company Name: REGENT HOTEL  
Contact Type: Not reported  
Contact Name: HARRY ZINK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 688-8941  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/19/2011

Site Id: 23232  
Affiliation Type: Emergency Contact  
Company Name: NYC DEPT OF HOMELESS SERVICES  
Contact Type: Not reported  
Contact Name: PETE DEMPSEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 688-8520  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/19/2011

Site Id: 23232  
Affiliation Type: Facility Owner  
Company Name: NYC DEPT OF HOMELESS SERVICES  
Contact Type: DIR  
Contact Name: PETE DEMPSEY  
Address1: 10107 FARRAGUT RD  
Address2: Not reported  
City: BROOKLYN  
State: NY  
Zip Code: 11236  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGENT HOTEL (Continued)**

**A100177841**

Phone: (718) 688-8520  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 5/19/2011

Tank Info:

Tank Number: 002  
Tank Id: 66045  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)  
B01 - Tank External Protection - Painted/Asphalt Coating  
F04 - Pipe External Protection - Fiberglass  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
E00 - Piping Secondary Containment - None  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/2002  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 05/19/2011  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 1  
Tank Id: 45143  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

I00 - Overfill - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
F00 - Pipe External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REGENT HOTEL (Continued)**

**A100177841**

G03 - Tank Secondary Containment - Vault (w/o access)  
3  
Tank Location:  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: ZZ  
Date Test: 08/01/1992  
Next Test Date: Not reported  
Date Tank Closed: 06/01/2002  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

**AS451**  
**WSW**  
**1/8-1/4**  
**0.234 mi.**  
**1237 ft.**

**CON EDISON SERVICE BOX: 27671**  
**2720 BROADWAY**  
**NEW YORK, NY 10025**  
**Site 4 of 10 in cluster AS**

**RCRA NonGen / NLR 1016967480**  
**NY MANIFEST NYP004410874**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**102 ft.**

Date form received by agency: 01/26/2014  
Facility name: CON EDISON SERVICE BOX: 27671  
Facility address: 2720 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYP004410874  
Mailing address: IRVING PL, 15TH FL NE  
NEW YORK, NY 10003  
Contact: THOMAS TEELING  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-3770  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 27671 (Continued)**

**1016967480**

Historical Generators:

Date form received by agency: 12/26/2013  
Site name: CON EDISON SERVICE BOX: 27671  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004410874  
Country: USA  
Location Address 1: F/O 2720 BROADWAY  
Location Address 2: SB27671  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE  
Address 2: 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 12/26/2013  
Trans1 Recv Date: 12/26/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/27/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004410874  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002237732GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 27671 (Continued)**

**1016967480**

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AS452**  
**WSW**  
**1/8-1/4**  
**0.234 mi.**  
**1237 ft.**

**2725 BROADWAY**  
**NEW YORK, NY 10025**

**EDR US Hist Cleaners 1015032511**  
**N/A**

**Site 5 of 10 in cluster AS**

**Relative:**  
**Higher**

**EDR Historical Cleaners:**

Name: FRIENDLY VALET CLEANERS  
Year: 2001  
Address: 2725 BROADWAY

**Actual:**  
**104 ft.**

Name: FRIENDLY VALET CLEANERS  
Year: 2003  
Address: 2725 BROADWAY

Name: FRIENDLY VALET CLEANERS  
Year: 2004  
Address: 2725 BROADWAY

Name: FRIENDLY VALET CLEANERS  
Year: 2010  
Address: 2725 BROADWAY

Name: C S QUALITY CLEANERS INC  
Year: 2011  
Address: 2725 BROADWAY

Name: FRIENDLY VALET CLEANERS  
Year: 2012  
Address: 2725 BROADWAY

**AH453**  
**North**  
**1/8-1/4**  
**0.235 mi.**  
**1241 ft.**

**TRUSTEES OF COLUMBIA UNIVERSITY.**  
**530 WEST 113TH STREET**  
**NEW YORK, NY 10025**

**NY AST U003396240**  
**NY HIST AST N/A**

**Site 5 of 5 in cluster AH**

**Relative:**  
**Higher**

**AST:**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-601613  
Program Type: PBS  
UTM X: 587471.50783000002  
UTM Y: 4517661.6313300002  
Expiration Date: 10/15/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**118 ft.**

**Affiliation Records:**

Site Id: 23575  
Affiliation Type: Facility Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396240**

Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23575  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23575  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COL. UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 23575  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396240**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/16/2013

Tank Info:

Tank Number: 001  
Tank Id: 47138  
Material Code: 0000  
Common Name of Substance: Empty

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
I00 - Overfill - None  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/07/1963  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-601613  
SWIS Code: 6201  
Operator: TRUSTEES OF COL. UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 530 WEST 113TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN  
Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)**

**U003396240**

Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/15/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 3000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 3000  
Product Stored: EMPTY  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 0  
Dispenser Method: 0  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIVERSITY. (Continued)

U003396240

Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AW454  
WNW  
1/8-1/4  
0.235 mi.  
1241 ft.

316 WEST 108TH STREET  
316 WEST 108TH STREET  
NEW YORK, NY 10025  
  
Site 1 of 2 in cluster AW

NY AST U003383972  
N/A

Relative:  
Higher

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-080470  
Program Type: PBS  
UTM X: 587090.92628000001  
UTM Y: 4517411.8908200003  
Expiration Date: 08/11/2015  
Site Type: Apartment Building/Office Building

Actual:  
105 ft.

Affiliation Records:

Site Id: 1617  
Affiliation Type: Mail Contact  
Company Name: FRANK MARTIRE  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 71 TRAFALGER DR.  
Address2: Not reported  
City: SHIRLEY  
State: NY  
Zip Code: 11967  
Country Code: 001  
Phone: (631) 281-2199  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/18/2012

Site Id: 1617  
Affiliation Type: On-Site Operator  
Company Name: 316 WEST 108TH STREET  
Contact Type: Not reported  
Contact Name: FRANK MARTIRE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (631) 281-2199  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/18/2012

Site Id: 1617

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**316 WEST 108TH STREET (Continued)**

**U003383972**

Affiliation Type: Emergency Contact  
Company Name: FRANK MARTIRE  
Contact Type: Not reported  
Contact Name: FRANK MARTIRE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (631) 281-2199  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/18/2012

Site Id: 1617  
Affiliation Type: Facility Owner  
Company Name: FRANK MARTIRE  
Contact Type: OWNER  
Contact Name: FRANK MARTIRE  
Address1: 71 TRAFALGER DR.  
Address2: Not reported  
City: SHIRLEY  
State: NY  
Zip Code: 11967  
Country Code: 001  
Phone: (631) 281-2199  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 1/18/2012

Tank Info:

Tank Number: 001  
Tank Id: 2674  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
B05 - Tank External Protection - Jacketed  
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
L00 - Piping Leak Detection - None  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
K00 - Spill Prevention - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**316 WEST 108TH STREET (Continued)**

**U003383972**

Install Date: 12/01/1961  
Capacity Gallons: 1500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/18/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AT455**  
**NNE**  
**1/8-1/4**  
**0.235 mi.**  
**1242 ft.**

**CON EDISON SERVICE BOX: 24576**  
**1084 AMSTERDAM AVE FRONT OF**  
**NEW YORK, NY 10026**

**RCRA NonGen / NLR 1016961333**  
**NY MANIFEST NYP004339834**

**Site 10 of 10 in cluster AT**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 08/31/2013

Facility name: CON EDISON SERVICE BOX: 24576

Facility address: 1084 AMSTERDAM AVE FRONT OF  
NEW YORK, NY 10026

EPA ID: NYP004339834

Mailing address: IRVING PL, RM 828  
NEW YORK, NY 10003

Contact: RICARDO CARTY

Contact address: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: (646) 772-3407

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 07/31/2013

Site name: CON EDISON SERVICE BOX: 24576

Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 24576 (Continued)**

**1016961333**

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004339834  
Country: USA  
Location Address 1: OPP 1084 AMSTERDAM AVE  
Location Address 2: SB #24576  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10026  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 07/31/2013  
Trans1 Recv Date: 07/31/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/02/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004339834  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 300  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002086824GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AM456**  
**South**  
**1/8-1/4**  
**0.236 mi.**  
**1244 ft.**

**CON EDISON SERVICE BOX: 30718**  
**890 COLUMBUS AVE FRONT OF**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR** **1016961032**  
**NY MANIFEST** **NYP004334611**

**Site 9 of 9 in cluster AM**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

Date form received by agency: 08/24/2013

Facility name: CON EDISON SERVICE BOX: 30718

Facility address: 890 COLUMBUS AVE FRONT OF

NEW YORK, NY 10025

EPA ID: NYP004334611

Mailing address: IRVING PL, RM 828

NEW YORK, NY 10003

Contact: JUAN RODRIGUEZ

Contact address: Not reported

Contact country: Not reported

Contact telephone: (347) 865-5931

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**113 ft.**

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Historical Generators:

Date form received by agency: 07/24/2013

Site name: CON EDISON SERVICE BOX: 30718

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004334611

Country: USA

Location Address 1: 890 COLUMBUS AVE

Location Address 2: SB #30718

Location City: NEW YORK

Location State: NY

Location Zip Code: 10025

Location Zip Code 4: Not reported

Mailing Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 30718 (Continued)**

**1016961032**

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 07/24/2013  
Trans1 Recv Date: 07/24/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/25/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004334611  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002085685GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

AS457  
WSW  
1/8-1/4  
0.236 mi.  
1245 ft.

**CONSOLIDATED EDISON  
W 104 ST AND BROADWAY  
NEW YORK, NY 10025**  
**Site 6 of 10 in cluster AS**

**NY MANIFEST S110046714  
N/A**

Relative:  
Higher

NY MANIFEST:  
EPA ID: NYP004187555  
Country: USA  
Location Address 1: W 104 ST AND BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY

Actual:  
102 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**S110046714**

Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PL RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 08/07/2009  
Trans1 Recv Date: 08/07/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/10/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004187555  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 3000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 000961651GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AU458**  
**West**  
**1/8-1/4**  
**0.236 mi.**  
**1248 ft.**

**310 WEST 106TH STREET**  
**310 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 8 of 13 in cluster AU**

**NY AST**    **U003383913**  
**NY HIST AST**    **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-069485  
 Program Type: PBS  
 UTM X: 587015.05299999996  
 UTM Y: 4517263.5604699999  
 Expiration Date: 12/30/2018  
 Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:

Site Id: 1482  
 Affiliation Type: Facility Owner  
 Company Name: 310 APARTMENT CORP.  
 Contact Type: SENIOR PROPERTY MANAGER  
 Contact Name: KENNETH RYAN  
 Address1: 310 WEST 106TH ST  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10025  
 Country Code: 001  
 Phone: (212) 663-7766  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: DMMOLOUG  
 Date Last Modified: 11/25/2013

Site Id: 1482  
 Affiliation Type: Mail Contact  
 Company Name: GERARD J. PICASO, INC.  
 Contact Type: Not reported  
 Contact Name: KEN RYAN  
 Address1: 1133 BROADWAY  
 Address2: SUITE 335  
 City: NEW YORK  
 State: NY  
 Zip Code: 10010  
 Country Code: 001  
 Phone: (212) 807-6969  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: TRANSLAT  
 Date Last Modified: 3/4/2004

Site Id: 1482  
 Affiliation Type: On-Site Operator  
 Company Name: 310 APARTMENT CORP.  
 Contact Type: Not reported  
 Contact Name: ZAIM PERAZIC  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**310 WEST 106TH STREET (Continued)**

**U003383913**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-7766  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 1482  
Affiliation Type: Emergency Contact  
Company Name: 310 APARTMENT CORP.  
Contact Type: Not reported  
Contact Name: ZAIM PERAZIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 663-7766  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 67362  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G02 - Tank Secondary Containment - Vault (w/access)  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
E02 - Piping Secondary Containment - Vault (with Access)  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 10/01/2003  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**310 WEST 106TH STREET (Continued)**

**U003383913**

Date Tank Closed: Not reported  
Register: True  
Modified By: DMMOLOUG  
Last Modified: 11/25/2013  
Material Name: #6 Fuel Oil (On-Site Consumption)

Tank Number: 059  
Tank Id: 2556  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/01/2003  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-069485  
SWIS Code: 6201  
Operator: PAT SEDA  
Facility Phone: (212) 663-7766  
Facility Addr2: 310 WEST 106TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: PAT SEDA  
Emergency Tel: (212) 663-7766  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 310 APARTMENTS CORP, PAT SEDA  
Owner Address: 310 WEST 106TH STREET  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 663-7766  
Owner Type: Corporate/Commercial

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**310 WEST 106TH STREET (Continued)**

**U003383913**

Owner Subtype: Not reported  
Mailing Contact: STUART BARDIN  
Mailing Name: 310 APARTMENTS CORP  
Mailing Address: 254-18 NORTHERN BLVD  
Mailing Address 2: Not reported  
Mailing City, St, Zip: LITTLE NECK, NY 11362  
Mailing Telephone: (718) 229-2878  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/25/1996  
Expiration: 01/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 059  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: Epoxy Liner  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

<b>AU459</b> <b>West</b> <b>1/8-1/4</b> <b>0.236 mi.</b> <b>1248 ft.</b>	<b>SPILL NUMBER 0302485</b> <b>310 WEST 106TH ST</b> <b>NEW YORK, NY</b>  <b>Site 9 of 13 in cluster AU</b>	<b>NY LTANKS</b>	<b>S105999163</b> <b>N/A</b>
--	---	------------------	---------------------------------

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**109 ft.**

Site ID:	254308
Spill Number/Closed Date:	0302485 / 11/17/2003
Spill Date:	6/9/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/9/2003
CID:	281
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/2003
Spill Record Last Update:	11/17/2003
Spiller Name:	KEN RYAN
Spiller Company:	GERALD J PICASSO INC
Spiller Address:	1133 BROADWAY
Spiller City,St,Zip:	NEW YORK, NY 10010-001
Spiller County:	
Spiller Contact:	KEN RYAN
Spiller Phone:	(212) 807-6969
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208296
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEMO" Tank test failure letter sent to Gerald Picasso Inc. 11/17/2003 PTC sent in a letter with manifest showing that the tank was leaking. The floor was cleaned and resulted in 4 - 55 gal drums of waste (manifested) The floor is solid concrete with no visible cracks. Attempts were made to drill into the floor for subsurface samples, after 14" of concrete, gave up drilling. Spill Closed

**Remarks:** Tank test failure at above location. Tank is a 5000 gallon above ground wrapped tank and caller suspects sand under tank is contaminated. Tank to be emptied and further testing to be done.

**Material:**

Site ID:	254308
Operable Unit ID:	869307
Operable Unit:	01
Material ID:	571420
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0302485 (Continued)**

**S105999163**

Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 254308  
Spill Tank Test: 1528439  
Tank Number: 1  
Tank Size: 5000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

**AN460**  
East  
1/8-1/4  
0.237 mi.  
1254 ft.

**CONSOLIDATED EDISON**  
**110TH ST-CENTRAL PARK W**  
**NEW YORK, NY 10026**

**NY MANIFEST 1009239344**  
**N/A**

**Site 3 of 9 in cluster AN**

**Relative:**  
**Lower**

NY MANIFEST:  
EPA ID: NYP004060216  
Country: USA  
Location Address 1: 110TH ST-CENTRAL PARK W  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10026  
Location Zip Code 4: Not reported

**Actual:**  
**51 ft.**

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0757386  
Manifest Status: Not reported  
Trans1 State ID: 48121AN  
Trans2 State ID: Not reported  
Generator Ship Date: 08/14/2000  
Trans1 Recv Date: 08/14/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/16/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004060216

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009239344**

Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSD ID: NYD077444263  
Waste Code: D018 - BENZENE 0.5 MG/L TCLP  
Quantity: 00160  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2000

**AV461  
East  
1/8-1/4  
0.238 mi.  
1255 ft.**

**CON EDISON  
W 110TH ST & MANHATTAN AVE TO  
NEW YORK, NY 10025**

**RCRA NonGen / NLR 1010327424  
NY MANIFEST NYP004146593**

**Site 2 of 5 in cluster AV**

**Relative:  
Lower**

RCRA NonGen / NLR:

Date form received by agency: 01/11/2007  
Facility name: CON EDISON  
Facility address: W 110TH ST & MANHATTAN AVE TO  
W 111TH ST & 7TH  
NEW YORK, NY 10025  
EPA ID: NYP004146593  
Mailing address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact: DAVID DUKE  
Contact address: 4 IRVING PL, RM 828  
NEW YORK, NY 10003  
Contact country: US  
Contact telephone: (212) 580-8383  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:  
47 ft.**

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 01/10/2007  
Site name: CON EDISON

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON (Continued)**

**1010327424**

Classification: Not a generator, verified

Date form received by agency: 01/09/2007  
Site name: CON EDISON  
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:  
EPA ID: NYP004146593  
Country: USA  
Location Address 1: FREDERICK DOUGLASS BLVD & 111TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

Mailing Info:  
Name: CONED  
Contact: CONED  
Address: 31-01 20TH AVE  
City/State/Zip: LONG ISLAND CITY, NY 11105  
Country: USA  
Phone: 718-204-4090

NY MANIFEST:  
No Manifest Records Available

**AU462** 929-31 WEST END AVENUE, INC.  
**West** 929 WEST END AVENUE  
**1/8-1/4** NEW YORK, NY 10025  
**0.238 mi.**  
**1256 ft.** Site 10 of 13 in cluster AU

**NY AST** U003389224  
**NY HIST AST** N/A

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-297887  
Program Type: PBS  
UTM X: 587001.33415000001  
UTM Y: 4517203.3362299995  
Expiration Date: 03/15/2019  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:  
Site Id: 13776  
Affiliation Type: Mail Contact  
Company Name: BRUSCO REALTY MANAGEMENT LLC  
Contact Type: Not reported  
Contact Name: ROBERT BARANOFF  
Address1: 766 AMSTERDAM AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**929-31 WEST END AVENUE, INC. (Continued)**

**U003389224**

EMail: BRUSCORM@YAHOO.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/26/2014

Site Id: 13776  
Affiliation Type: On-Site Operator  
Company Name: STRAUSS PARK REALTY LLC  
Contact Type: Not reported  
Contact Name: TAI JANCE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 665-3675  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/29/2011

Site Id: 13776  
Affiliation Type: Emergency Contact  
Company Name: STRAUSS PARK REALTY LLC  
Contact Type: Not reported  
Contact Name: TAI JANCE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (242) 665-3675  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 11/29/2011

Site Id: 13776  
Affiliation Type: Facility Owner  
Company Name: STRAUSS PARK REALTY LLC  
Contact Type: PROPERTY MANAGER  
Contact Name: Not reported  
Address1: 766 AMSTERDAM AVE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 663-7070  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 3/26/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

929-31 WEST END AVENUE, INC. (Continued)

U003389224

Tank Info:

Tank Number: 001  
Tank Id: 16189  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
H99 - Tank Leak Detection - Other  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1990  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 02/11/2014  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-297887  
SWIS Code: 6201  
Operator: RALPH SHEEHAN  
Facility Phone: (212) 665-3675  
Facility Addr2: Not reported  
Facility Type: APARTMENT BUILDING  
Emergency: ALEXANDER WOLF III  
Emergency Tel: (516) 349-0540  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: 929 WEST END AVENUE, INC.  
Owner Address: 929 WEST END AVENUE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported  
Owner Tel: (212) 864-5813  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MR. SANDY WOLF  
Mailing Name: ALEXANDER WOLF COMPANY, INC.  
Mailing Address: ONE DUPONT STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**929-31 WEST END AVENUE, INC. (Continued)**

**U003389224**

Mailing Address 2: Not reported  
Mailing City,St,Zip: PLAINVIEW, NY 11803  
Mailing Telephone: (516) 349-0540  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 07/10/1997  
Expiration: 07/14/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: Diking  
Leak Detection: 09  
Overfill Protection: 04  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AX463  
North  
1/8-1/4  
0.238 mi.  
1258 ft.

TRUSTEES OF COLUMBIA UNIV.  
536 WEST 113TH STREET  
NEW YORK, NY 10025  
Site 1 of 4 in cluster AX

NY UST  
NY HIST UST  
U000418174  
N/A

Relative:  
Higher

UST:

Actual:  
118 ft.

Id/Status: 2-453943 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 10/14/2018  
UTM X: 587457.49771000003  
UTM Y: 4517669.2371300003  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19901  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19901  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19901  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U000418174**

Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19901  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank ID: 35740  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: 05/16/1963  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: 12/27/1987  
Pipe Model: Not reported  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013

Equipment Records:

B05 - Tank External Protection - Jacketed  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
G03 - Tank Secondary Containment - Vault (w/o access)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U000418174**

I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

**HIST UST:**

PBS Number: 2-453943  
SPDES Number: Not reported  
Emergency Contact: MARK L. KERMAN  
Emergency Telephone: (212) 854-2275  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Operator Telephone: (212) 854-9300  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Owner Telephone: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Contact: MARK KERMAN  
Mailing Telephone: (212) 865-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Facility Addr2: 536 WEST 113TH STREET  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration Date: 10/14/2003  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U000418174**

Capacity (gals): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: Jacketed  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: Wrapped (Piping)  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Vent Whistle, Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AY464  
NNW  
1/8-1/4  
0.238 mi.  
1259 ft.**

**CONSOLIDATED EDISON  
BROADWAY & W 111TH ST  
NEW YORK, NY  
Site 1 of 5 in cluster AY**

**NY MANIFEST 1009239601  
N/A**

**Relative:  
Higher**

NY MANIFEST:  
EPA ID: NYP004063368  
Country: USA  
Location Address 1: BROADWAY & W 111TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: Not reported  
Location Zip Code 4: Not reported

**Actual:  
116 ft.**

Mailing Info:  
Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0683145  
Manifest Status: Not reported  
Trans1 State ID: 20408AD  
Trans2 State ID: Not reported  
Generator Ship Date: 09/27/2000  
Trans1 Recv Date: 09/27/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/28/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009239601**

Generator EPA ID: NYP004063368  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSDF ID: NYD077444263  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00300  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2000

**AU465**  
**West**  
**1/8-1/4**  
**0.238 mi.**  
**1259 ft.**

**315 WEST 106TH STREET OWNERS INC**  
**315 WEST 106TH STREET**  
**NEW YORK, NY 10025**  
**Site 11 of 13 in cluster AU**

**NY AST** **U004077666**  
**N/A**

**Relative:**  
**Higher**

**AST:**  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-274089  
Program Type: PBS  
UTM X: 587014.0422999997  
UTM Y: 4517277.7593700001  
Expiration Date: 06/18/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

**Affiliation Records:**  
Site Id: 11692  
Affiliation Type: Facility Owner  
Company Name: 315 WEST 106TH STREET OWNERS INC % ORSID RE  
Contact Type: ASST SECRETARY  
Contact Name: PAT BETTINO  
Address1: 1740 BROADWAY 2ND FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 484-3799  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/23/2012

Site Id: 11692  
Affiliation Type: Mail Contact  
Company Name: ORSID REALTY CORP.  
Contact Type: Not reported  
Contact Name: COMPLIANCE DEPT.  
Address1: 1740 BROADWAY 2ND FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

315 WEST 106TH STREET OWNERS INC (Continued)

U004077666

Country Code: 001  
Phone: (212) 484-3799  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 11/20/2007

Site Id: 11692  
Affiliation Type: On-Site Operator  
Company Name: 315 WEST 106TH STREET OWNERS INC  
Contact Type: Not reported  
Contact Name: ZAICO PTRAZIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-7074  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 11/20/2007

Site Id: 11692  
Affiliation Type: Emergency Contact  
Company Name: 315 WEST 106TH STREET OWNERS INC % ORSID RE  
Contact Type: Not reported  
Contact Name: PAT BETTINO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 484-3753  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 11/20/2007

Tank Info:

Tank Number: 001  
Tank Id: 9206  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
E02 - Piping Secondary Containment - Vault (with Access)  
C00 - Pipe Location - No Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**315 WEST 106TH STREET OWNERS INC (Continued)**

**U004077666**

F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1993  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 05/09/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AS466**  
**WSW**  
**1/8-1/4**  
**0.239 mi.**  
**1261 ft.**

**CON EDISON - SERVICE BOX 17462**  
**W 104 ST AND BROADWAY**  
**NEW YORK, NY 10025**

**RCRA-LQG 1014396469**  
**NYP004187555**

**Site 7 of 10 in cluster AS**

**Relative:**  
**Higher**

RCRA-LQG:

**Actual:**  
**102 ft.**

Date form received by agency: 03/23/2010  
Facility name: CON EDISON - SERVICE BOX 17462  
Facility address: W 104 ST AND BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYP004187555  
Mailing address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Contact: FRANKLYN MURRAY  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (212) 460-2808  
Contact email: MURRAYFR@CONED.COM  
EPA Region: 02  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON - SERVICE BOX 17462 (Continued)**

**1014396469**

Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 07/28/2009  
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.  
Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 07/28/2009  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

**AX467 TRUSTEES OF COLUMBIA UNIV.  
North 535 WEST 113TH STREET  
1/8-1/4 NEW YORK, NY 10025  
0.239 mi.  
1261 ft. Site 2 of 4 in cluster AX**

**NY AST U003394470  
NY HIST AST N/A**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453935  
Program Type: PBS  
UTM X: 587466.7585  
UTM Y: 4517678.0064099999  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

**Actual:  
118 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394470

Affiliation Records:

Site Id: 19900  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19900  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19900  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19900  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394470**

Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank Id: 35724  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/10/1963  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #4 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453935  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Facility Phone: (212) 854-9300  
Facility Addr2: 535 WEST 113TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U003394470**

Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 854-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 4000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 4000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 6  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV. (Continued)

U003394470

Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

AV468  
East  
1/8-1/4  
0.239 mi.  
1263 ft.

CHARLES HILL HOUSING  
2050 FREDERICK DOUGLAS BLVD  
NEW YORK, NY 10026  
Site 3 of 5 in cluster AV

NY UST U001835041  
N/A

Relative:  
Lower

UST:  
Id/Status: 2-267848 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 07/10/2017  
UTM X: 587966.21576000005  
UTM Y: 4517229.5183100002  
Site Type: Apartment Building/Office Building

Actual:  
47 ft.

Affiliation Records:  
Site Id: 11133  
Affiliation Type: Facility Owner  
Company Name: CHARLES HILL HOUSING ASSOCIATES  
Contact Type: MANAGING AGENT  
Contact Name: NEALLE B SCAVEY  
Address1: 3 PARK AVENUE - SUITE 2800  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10016  
Country Code: 001  
Phone: (212) 679-9800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 5/7/2007

Site Id: 11133  
Affiliation Type: Mail Contact  
Company Name: CHARLES HILL HOUSING ASSOCIATES  
Contact Type: Not reported  
Contact Name: DALTON MANAGEMENT CO, LLC  
Address1: P.O. BOX 1763  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10156  
Country Code: 001  
Phone: (212) 679-9800  
EMail: RCD@DALTONCV.COM  
Fax Number: Not reported  
Modified By: MSBAPTIS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHARLES HILL HOUSING (Continued)**

**U001835041**

Date Last Modified: 8/10/2012  
  
Site Id: 11133  
Affiliation Type: On-Site Operator  
Company Name: CHARLES HILL HOUSING  
Contact Type: Not reported  
Contact Name: VICTOR LARBELLO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 296-3297  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/10/2012

Site Id: 11133  
Affiliation Type: Emergency Contact  
Company Name: CHARLES HILL HOUSING ASSOCIATES  
Contact Type: Not reported  
Contact Name: RONALD C. DAWLEY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 679-9800  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 8/10/2012

**Tank Info:**

Tank Number: 001  
Tank ID: 13442  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 7500  
Install Date: 12/01/1985  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)  
  
Tightness Test Method: 21  
Date Test: 07/31/2009  
Next Test Date: 07/31/2014  
Pipe Model: Not reported  
Modified By: MSBAPTIS  
Last Modified: 08/10/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHARLES HILL HOUSING (Continued)**

**U001835041**

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)

**AY469** **BROADWAY 111 ST ASSOCIATES**  
**NNW** **600 WEST 111TH ST**  
**1/8-1/4** **NEW YORK, NY 10025**  
**0.240 mi.**  
**1269 ft.** **Site 2 of 5 in cluster AY**

**NY AST** **U003392472**  
**NY HIST AST** **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-406384  
Program Type: PBS  
UTM X: 587224.36195000005  
UTM Y: 4517615.07968000004  
Expiration Date: 10/15/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**116 ft.**

Affiliation Records:

Site Id: 19629  
Affiliation Type: Facility Owner  
Company Name: BROADWAY W. 111TH STREET OWNERS % OSID REALTY CORP  
Contact Type: PRESIDENT  
Contact Name: NEIL B. DAVIDOWITZ  
Address1: 1740 BROADWAY, 2ND FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 484-3799  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 11/29/2007

Site Id: 19629  
Affiliation Type: Mail Contact  
Company Name: ORSID REALTY CORP.  
Contact Type: Not reported  
Contact Name: COMPLIANCE DEPT.  
Address1: 1740 BROADWAY, 2ND FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10019  
Country Code: 001  
Phone: (212) 484-3799  
EMail: ZMAGID@ORSIDR.COM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROADWAY 111 ST ASSOCIATES (Continued)**

**U003392472**

Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/1/2012

Site Id: 19629  
Affiliation Type: On-Site Operator  
Company Name: BROADWAY 111 ST OWNER  
Contact Type: Not reported  
Contact Name: EDDIE LONCAREVIC  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 316-6328  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 11/29/2007

Site Id: 19629  
Affiliation Type: Emergency Contact  
Company Name: BROADWAY W. 111TH STREET OWNERS % OSID REALTY CORP  
Contact Type: Not reported  
Contact Name: JOHN DEVALL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 484-3726  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/1/2012

Tank Info:

Tank Number: 001  
Tank Id: 24666  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROADWAY 111 ST ASSOCIATES (Continued)**

**U003392472**

H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1977  
Capacity Gallons: 10000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/01/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**HIST AST:**

PBS Number: 2-406384  
SWIS Code: 6201  
Operator: FRANCIS ROSA  
Facility Phone: (212) 316-6328  
Facility Addr2: 600 WEST 111TH ST  
Facility Type: APARTMENT BUILDING  
Emergency: FRANCIS ROAS  
Emergency Tel: (212) 316-6328  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: BROADWAY W. 111TH STREET OWNERS % OSID REALTY CORP  
Owner Address: 156 WEST 56TH STREET, 5TH FLOOR  
Owner City,St,Zip: NEW YORK, NY 10019  
Federal ID: Not reported  
Owner Tel: (212) 247-2603  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: SABI BONOMOLO  
Mailing Name: ABILENE HEATING GROUP  
Mailing Address: 2402 NEPTUNE AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BROOKLYN, NY 11224  
Mailing Telephone: (718) 372-4210  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Certification Flag: False  
Certification Date: 12/07/1999  
Expiration: 10/15/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 10000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: Minor Data Missing

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BROADWAY 111 ST ASSOCIATES (Continued)**

**U003392472**

Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 10000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 4  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AY470**     **CITIBANK,NA**  
**NNW**     **2861 BROADWAY**  
**1/8-1/4**   **NEW YORK, NY 10025**  
**0.241 mi.**  
**1270 ft.**   **Site 3 of 5 in cluster AY**

**NY UST**     **U000395728**  
**NY HIST UST**     **N/A**

**Relative:**     UST:  
**Higher**     Id/Status:     2-129801 / Unregulated/Closed  
                 Program Type:     PBS  
**Actual:**     Region:     STATE  
**116 ft.**     DEC Region:     2  
                 Expiration Date:     05/07/2002  
                 UTM X:     587232.06019999995  
                 UTM Y:     4517627.6049699998  
                 Site Type:     Other  
  
Affiliation Records:  
Site Id:     4045  
Affiliation Type:     Facility Owner  
Company Name:     CITIBANK,NA  
Contact Type:     Not reported  
Contact Name:     Not reported  
Address1:     1 COURT SQUARE  
Address2:     Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITIBANK,NA (Continued)**

**U000395728**

City: LONG ISLAND CITY  
State: NY  
Zip Code: 11120  
Country Code: 001  
Phone: (212) 613-6464  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4045  
Affiliation Type: Mail Contact  
Company Name: CITIBANK,NA  
Contact Type: Not reported  
Contact Name: JOSEPH FORTUNATO  
Address1: CRS/ N.E. REGION  
Address2: 1 COURT SQUARE  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11120  
Country Code: 001  
Phone: (516) 673-2762  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4045  
Affiliation Type: On-Site Operator  
Company Name: CITIBANK,NA  
Contact Type: Not reported  
Contact Name: CITIBANK FACILITIES MANAGEMENT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (516) 673-2762  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 4045  
Affiliation Type: Emergency Contact  
Company Name: CITIBANK,NA  
Contact Type: Not reported  
Contact Name: CITIBANK FACILITIES MANAGEMENT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (516) 673-2762  
EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITIBANK,NA (Continued)**

**U000395728**

Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank ID: 5070  
Tank Status: Closed - In Place  
Material Name: Closed - In Place  
Capacity Gallons: 1500  
Install Date: Not reported  
Date Tank Closed: 05/01/1999  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-129801  
SPDES Number: Not reported  
Emergency Contact: CITIBANK FACILITIES MANAGEMENT  
Emergency Telephone: (800) 217-8222  
Operator: CITIBANK FACILITIES MANAGEMENT  
Operator Telephone: (516) 673-2762  
Owner Name: CITIBANK,NA  
Owner Address: 1 COURT SQUARE  
Owner City,St,Zip: LONG ISLAND CITY, NY 11120  
Owner Telephone: (212) 613-6464  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: CITIBANK,NA  
Mailing Address: CRS/ N.E. REGION  
Mailing Address 2: 1 COURT SQUARE  
Mailing City,St,Zip: LONG ISLAND CITY, NY 11120  
Mailing Contact: JOSEPH FORTUNATO  
Mailing Telephone: (516) 673-2762  
Owner Mark: First Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITIBANK,NA (Continued)**

**U000395728**

Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: 2861 BROADWAY  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: OTHER  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 05/30/1997  
Expiration Date: 05/07/2002  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2

Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: Not reported  
Capacity (gals): 1500  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 05/01/1999  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AY471**  
**NNW**  
**1/8-1/4**  
**0.241 mi.**  
**1270 ft.**

**CITI BANK**  
**2861 BROADWAY**  
**MANHATTAN, NY**  
**Site 4 of 5 in cluster AY**

**NY LTANKS**    **S103238420**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**116 ft.**

Site ID: 63492  
 Spill Number/Closed Date: 9802718 / 12/29/2005  
 Spill Date: 6/1/1998  
 Spill Cause: Tank Test Failure  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: SXAHMED  
 Referred To: Not reported  
 Reported to Dept: 6/1/1998  
 CID: 211  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/1/1998  
 Spill Record Last Update: 12/29/2005  
 Spiller Name: GINA CONSTANTINI  
 Spiller Company: CITI BANK  
 Spiller Address: 2861 BROADWAY  
 Spiller City,St,Zip: MANHATTAN, NY - 001  
 Spiller County: TYREE MAINTENANCE  
 Spiller Contact: (516) 249-3150  
 Spiller Phone: Not reported  
 Spiller Extention: 2  
 DEC Region: 61324  
 DER Facility ID:  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M TIBBE"10/06/2005: Citi Bank abandond that underground storage tank and closed in place 04/10/99. As per PBS record the UST was closed on 5/1/99. Citi Bank is now using gas from Con Ed for heating purposes. There is a complete report submitted by Tyree Brothers Environmental, Inc. After abandonment of the UST in-place, they collected 3 soil samples around the tank and 1 GW sample from one of the hole. All four samples were analyzed for VOC via EPA method 8021 and 3 soil samples were also analyzed for SVOC via EPA method 8270. Findings: Lab results indicated that only one VOC compound was noted slightly above its method detection limit in all the soil samples. But it was well within its NYSDEC guidance value. No VOC were noted in the groundwater sample. SVOC results indicated that no compounds were noted above method detection limits in any of the soil samples. As per Tyree Brothers Environmental, Inc the tank had a hole which causes the tightness test failure. However, the tank was encased within concrete and the whole was on the top of the tank, it appears that the surrounding soils were prevented from being impacted by a release. They recommended that this spill may be closed. 12/27/2005: Page 6 (analysis report) is missing from the Tyree

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CITI BANK (Continued)**

**S103238420**

Organization report. Talked to Joseph Fortunato (212 615 9281), representative of Citi Bank and requested to fax the missing page. (Sadique)12/29/2005: Received the fax copy of missing page. This is the SOVC analysis report for boring soil sample #1. As per this lab analysis report all the SOVCs concentration well within the NY states cleanup limits. There is no lab analysis for SVOC of GW. Shared the information with Jack Aversa and Joseph Zalewski. Joseph Zalewski's comment "It would be reasonable in this situation to close the spill without the SVOC data for GW if the rest of the data supports their claim that there was no evidence of a release to the environment outside the containment". As rest of the data supports their claim, no further action is required and the spill is closed. (Sadique)

Remarks: CONTACT TYREE FOR FURTHER REMARKS

Material:

Site ID: 63492  
 Operable Unit ID: 1060649  
 Operable Unit: 01  
 Material ID: 321039  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

Site ID: 63492  
 Spill Tank Test: 1545943  
 Tank Number: 001  
 Tank Size: 1500  
 Test Method: 20  
 Leak Rate: 0  
 Gross Fail: Not reported  
 Modified By: Spills  
 Last Modified: 10/1/2004  
 Test Method: USTest 2000/P/LL plus USTest 2000/U

**AN472**      **110TH STREET SERVICE STATION INC.**  
**East**        **2040 EIGHTH AVENUE**  
**1/8-1/4**      **NEW YORK, NY 10026**  
**0.241 mi.**  
**1271 ft.**      **Site 4 of 9 in cluster AN**

**NY UST**      **U001840992**  
**NY HIST UST**      **N/A**

**Relative:**  
**Lower**

UST:  
 Id/Status: 2-480665 / Unregulated/Closed  
 Program Type: PBS  
 Region: STATE  
 DEC Region: 2  
 Expiration Date: 12/18/2018  
 UTM X: 587949.64791000006  
 UTM Y: 4517189.5752699999  
 Site Type: Retail Gasoline Sales

**Actual:**  
**49 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Affiliation Records:

Site Id: 21458  
Affiliation Type: Mail Contact  
Company Name: CRESENT 110 EQUITIES LLC  
Contact Type: Not reported  
Contact Name: EVAN KASHANIAN  
Address1: 316 WEST 118TH STREET  
Address2: 4TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10026  
Country Code: 001  
Phone: (646) 834-9380  
EMail: EVAN@ARTIMUSNYC.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/30/2014

Site Id: 21458  
Affiliation Type: On-Site Operator  
Company Name: 110TH STREET SERVICE STATION INC.  
Contact Type: Not reported  
Contact Name: ELYSA LOMANGINO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 282-3180  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/13/2015

Site Id: 21458  
Affiliation Type: Emergency Contact  
Company Name: CRESENT 110 EQUITIES LLC  
Contact Type: Not reported  
Contact Name: ELYSIA LOMANGINO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 282-3180  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 2/13/2015

Site Id: 21458  
Affiliation Type: Facility Owner  
Company Name: CRESENT 110 EQUITIES LLC  
Contact Type: Not reported  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Address1: 316 WEST 118 STREET, 4TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10026  
Country Code: 001  
Phone: (646) 834-9380  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 10/30/2014

Tank Info:

Tank Number: 002  
Tank ID: 39024  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
G00 - Tank Secondary Containment - None  
J01 - Dispenser - Pressurized Dispenser  
I00 - Overfill - None  
B00 - Tank External Protection - None  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
H00 - Tank Leak Detection - None

Tank Number: 003  
Tank ID: 53001  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
G00 - Tank Secondary Containment - None  
J01 - Dispenser - Pressurized Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
H00 - Tank Leak Detection - None

Tank Number: 004  
Tank ID: 53002  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None  
A00 - Tank Internal Protection - None  
G00 - Tank Secondary Containment - None  
J01 - Dispenser - Pressurized Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
H00 - Tank Leak Detection - None

Tank Number: 005  
Tank ID: 53003  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
G00 - Tank Secondary Containment - None  
J01 - Dispenser - Pressurized Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
H00 - Tank Leak Detection - None

Tank Number: 006  
Tank ID: 53004  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Tank Number: 007  
Tank ID: 57066  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 008  
Tank ID: 57067  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

J02 - Dispenser - Suction Dispenser  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 009  
Tank ID: 57068  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 010  
Tank ID: 57069  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 011  
Tank ID: 57070  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 012  
Tank ID: 57071  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 013  
Tank ID: 57072  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 014  
Tank ID: 57073  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: Not reported  
Date Tank Closed: 10/01/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 015  
Tank ID: 39025  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 4000  
Install Date: Not reported  
Date Tank Closed: 10/01/1998  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Number: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Tank ID: 55929  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 8000  
Install Date: 01/01/1999  
Date Tank Closed: 11/14/2014  
Registered: True  
Tank Location: Underground  
Tank Type: Equivalent technology  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: 01  
Date Test: 03/10/2006  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: NRLOMBAR  
Last Modified: 02/13/2015

Equipment Records:

J01 - Dispenser - Pressurized Dispenser  
A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
C02 - Pipe Location - Underground/On-ground  
F04 - Pipe External Protection - Fiberglass  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
K01 - Spill Prevention - Catch Basin  
B04 - Tank External Protection - Fiberglass  
E02 - Piping Secondary Containment - Vault (with Access)  
H05 - Tank Leak Detection - In-Tank System (ATG)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
I03 - Overfill - Automatic Shut-Off

Tank Number: 2  
Tank ID: 55930  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 8000  
Install Date: 01/01/1999  
Date Tank Closed: 11/14/2014  
Registered: True  
Tank Location: Underground  
Tank Type: Equivalent technology  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: 01  
Date Test: 03/10/2006  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: NRLOMBAR  
Last Modified: 02/13/2015

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
C02 - Pipe Location - Underground/On-ground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

- F04 - Pipe External Protection - Fiberglass
- H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
- K01 - Spill Prevention - Catch Basin
- J01 - Dispenser - Pressurized Dispenser
- B04 - Tank External Protection - Fiberglass
- E02 - Piping Secondary Containment - Vault (with Access)
- H05 - Tank Leak Detection - In-Tank System (ATG)
- L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
- D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
- G04 - Tank Secondary Containment - Double-Walled (Underground)
- I03 - Overfill - Automatic Shut-Off

Tank Number: 3  
Tank ID: 55931  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 8000  
Install Date: 01/01/1999  
Date Tank Closed: 11/14/2014  
Registered: True  
Tank Location: Underground  
Tank Type: Equivalent technology  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: 01  
Date Test: 03/10/2006  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: NRLOMBAR  
Last Modified: 02/13/2015

Equipment Records:

- J01 - Dispenser - Pressurized Dispenser
- A03 - Tank Internal Protection - Fiberglass Liner (FRP)
- C02 - Pipe Location - Underground/On-ground
- F04 - Pipe External Protection - Fiberglass
- H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
- K01 - Spill Prevention - Catch Basin
- B04 - Tank External Protection - Fiberglass
- E02 - Piping Secondary Containment - Vault (with Access)
- H05 - Tank Leak Detection - In-Tank System (ATG)
- L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
- D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
- G04 - Tank Secondary Containment - Double-Walled (Underground)
- I03 - Overfill - Automatic Shut-Off

Tank Number: 4  
Tank ID: 55932  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 8000  
Install Date: 01/01/1999  
Date Tank Closed: 11/14/2014  
Registered: True  
Tank Location: Underground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Tank Type: Equivalent technology  
Material Code: 0009  
Common Name of Substance: Gasoline

Tightness Test Method: 01  
Date Test: 03/10/2006  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: NRLOMBAR  
Last Modified: 02/13/2015

Equipment Records:

A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
C02 - Pipe Location - Underground/On-ground  
F04 - Pipe External Protection - Fiberglass  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
K01 - Spill Prevention - Catch Basin  
J01 - Dispenser - Pressurized Dispenser  
B04 - Tank External Protection - Fiberglass  
E02 - Piping Secondary Containment - Vault (with Access)  
H05 - Tank Leak Detection - In-Tank System (ATG)  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
I03 - Overfill - Automatic Shut-Off

Tank Number: 5  
Tank ID: 213832  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 550  
Install Date: 01/01/1999  
Date Tank Closed: 11/14/2014  
Registered: True  
Tank Location: Underground  
Tank Type: Equivalent technology  
Material Code: 0022  
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: 21  
Date Test: 10/29/2010  
Next Test Date: Not reported  
Pipe Model: D  
Modified By: NRLOMBAR  
Last Modified: 02/13/2015

Equipment Records:

J00 - Dispenser - None  
A03 - Tank Internal Protection - Fiberglass Liner (FRP)  
C00 - Pipe Location - No Piping  
F04 - Pipe External Protection - Fiberglass  
I04 - Overfill - Product Level Gauge (A/G)  
K01 - Spill Prevention - Catch Basin  
B04 - Tank External Protection - Fiberglass  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
L00 - Piping Leak Detection - None  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

G04 - Tank Secondary Containment - Double-Walled (Underground)  
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-480665  
SPDES Number: Not reported  
Emergency Contact: CARMIE L. ELMORE, JR.  
Emergency Telephone: (516) 360-0392  
Operator: CARMIE L. ELMORE, JR.  
Operator Telephone: (212) 864-5003  
Owner Name: YAAKOV WICZYK  
Owner Address: 20 HERON DRIVE  
Owner City,St,Zip: HEWLETT, NY 11557  
Owner Telephone: (516) 374-0525  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: 110TH STREET SERVICE STATION, INC.  
Mailing Address: 2040 8TH AVE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10026  
Mailing Contact: CARMINE L. ELMORE JR.  
Mailing Telephone: (212) 864-5003  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: 2040 8TH AVENUE  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: RETAIL GASOLINE SALES  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 05/30/2000  
Expiration Date: 10/15/2003  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 32000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 005  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STAINLESS STEEL ALLOY  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 006  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 007  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 008  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 009  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 010  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 011  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 012  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

110TH STREET SERVICE STATION INC. (Continued)

U001840992

Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 013  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 014  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION INC. (Continued)**

**U001840992**

Lat/long: Not reported

Tank Id: 015  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 4000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 10/01/1998  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AN473**  
**East**  
**1/8-1/4**  
**0.241 mi.**  
**1271 ft.**

**110TH STREET SERVICE STATION**  
**2040 8TH AVE**  
**NEW YORK, NY 10026**  
**Site 5 of 9 in cluster AN**

**RCRA NonGen / NLR 1000556243**  
**US AIRS NYD986988020**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: 110TH STREET SERVICE STATION  
Facility address: 2040 8TH AVE  
NEW YORK, NY 10026  
EPA ID: NYD986988020  
Mailing address: 8TH AVE  
NEW YORK, NY 10026  
Contact: Not reported  
Contact address: 8TH AVE  
NEW YORK, NY 10026  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**49 ft.**

Owner/Operator Summary:  
Owner/operator name: CITY OF NEW YORK  
Owner/operator address: 75 MAIDEN LANE  
NEW YORK, NY 10004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION (Continued)**

**1000556243**

Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: CITY OF NEW YORK  
Owner/operator address: 75 MAIDEN LANE  
NEW YORK, NY 10004

Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Site name: 110TH STREET SERVICE STATION  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Site name: 110TH STREET SERVICE STATION  
Classification: Not a generator, verified

Date form received by agency: 12/13/1991  
Site name: 110TH STREET SERVICE STATION  
Classification: Small Quantity Generator

- . Waste code: D000
- . Waste name: Not Defined
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D008
- . Waste name: LEAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION (Continued)**

**1000556243**

. Waste code: D018  
. Waste name: BENZENE

Violation Status: No violations found

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110001577507  
Plant name: 110TH ST SVCE STA INC  
Plant address: 2040 8TH AVE  
NEW YORK, NY 10026  
County: NEW YORK  
Region code: 02  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 043  
Sic code: 5541  
Sic code desc: GASOLINE SERVICE STATIONS  
North Am. industrial classf: Not reported  
NAIC code description: Not reported  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR  
LOCAL GOVERNMENT  
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1402  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1304  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1303  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1301  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1203  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1202  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1104  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**110TH STREET SERVICE STATION (Continued)**

**1000556243**

Hist compliance date: 1403  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1401  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1302  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1204  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1201  
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: Not reported  
Repeat violator date: Not reported  
Turnover compliance: Not reported

**AN474**  
**East**  
**1/8-1/4**  
**0.241 mi.**  
**1271 ft.**

**2040 8TH AVE**  
**NEW YORK, NY 10026**  
**Site 6 of 9 in cluster AN**

**EDR US Hist Auto Stat 1015311432**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:

Name: 110 ST AMOCO SERVICE STATION  
Year: 1999

**Actual:**  
**49 ft.**

Address: 2040 8TH AVE

Name: AMOCO SVCE STATION  
Year: 2000  
Address: 2040 8TH AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AX475** TRUSTEES OF COLUMBIA UNIV.  
**North** 541 WEST 113TH STREET  
**1/8-1/4** NEW YORK, NY 10025  
**0.243 mi.**  
**1281 ft.** Site 3 of 4 in cluster AX

**NY UST** U001840199  
**NY HIST UST** N/A

**Relative:**  
**Higher**

UST:

**Actual:**  
**118 ft.**

Id/Status: 2-453927 / Active  
Program Type: PBS  
Region: STATE  
DEC Region: 2  
Expiration Date: 10/14/2018  
UTM X: 587452.83407999994  
UTM Y: 4517685.5022099996  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 19899  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19899  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: ASST VICE PRESIDENT  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19899  
Affiliation Type: On-Site Operator  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA UNIV.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U001840199**

Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19899  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIV.  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 10/20/2008

Tank Info:

Tank Number: 001  
Tank ID: 35722  
Tank Status: In Service  
Material Name: In Service  
Capacity Gallons: 5000  
Install Date: 05/10/1963  
Date Tank Closed: Not reported  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013

Equipment Records:

B05 - Tank External Protection - Jacketed  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U001840199**

L09 - Piping Leak Detection - Exempt Suction Piping  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

**HIST UST:**

PBS Number: 2-453927  
SPDES Number: Not reported  
Emergency Contact: TRUSTEES OF COLUMBIA UNIV.  
Emergency Telephone: (212) 854-2275  
Operator: TRUSTEES OF COLUMBIA UNIV.  
Operator Telephone: (212) 854-9300  
Owner Name: TRUSTEES OF COLUMBIA UNIV.  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Owner Telephone: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: TRUSTEES OF COLUMBIA UNIV.  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Contact: MARK KERNA  
Mailing Telephone: (212) 865-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Facility Addr2: 541 WEST 113TH STREE  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration Date: 10/14/2003  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: In Service  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV. (Continued)**

**U001840199**

Capacity (gals): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: Jacketed  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: Wrapped (Piping)  
Second Containment: Diking  
Leak Detection: None  
Overfill Prot: Vent Whistle, Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AU476**  
**West**  
**1/8-1/4**  
**0.244 mi.**  
**1289 ft.**

**924 WEST END AVE CORP**  
**924 WEST END AVENUE**  
**NEW YORK, NY 10025**  
**Site 12 of 13 in cluster AU**

**NY AST U004076454**  
**N/A**

**Relative:**  
**Higher**

**AST:**

**Actual:**  
**109 ft.**

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-155756  
Program Type: PBS  
UTM X: 587005.75702999998  
UTM Y: 4517185.95784999999  
Expiration Date: 06/05/2017  
Site Type: Apartment Building/Office Building

**Affiliation Records:**

Site Id: 5062  
Affiliation Type: Facility Owner  
Company Name: 924 WEST END AVE CORP % WALLACK MGMT CO INC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 441 LEXINGTON AVE, 4TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 753-3381  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/12/2014

Site Id: 5062

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**924 WEST END AVE CORP (Continued)**

**U004076454**

Affiliation Type: Mail Contact  
Company Name: 924 WEST END AVE CORP  
Contact Type: Not reported  
Contact Name: COMPLIANCE DEPT  
Address1: % WALLACK MANAGEMENT CO INC  
Address2: 441 LEXINGTON AVENUE, 4TH FLOOR  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 753-3381  
EMail: INFO@WALLACKMANAGEMENT.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 11/12/2014

Site Id: 5062  
Affiliation Type: On-Site Operator  
Company Name: 924 WEST END AVE  
Contact Type: Not reported  
Contact Name: ALFRED URBANSKI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 749-5351  
EMail: Not reported  
Fax Number: Not reported  
Modified By: DXLIVING  
Date Last Modified: 3/28/2007

Site Id: 5062  
Affiliation Type: Emergency Contact  
Company Name: 924 WEST END AVE CORP  
Contact Type: Not reported  
Contact Name: WALLACK MANAGEMENT CO., INC.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 753-3382  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 4/23/2012

Tank Info:

Tank Number: 001  
Tank Id: 8441  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**924 WEST END AVE CORP (Continued)**

**U004076454**

Equipment Records:

- A00 - Tank Internal Protection - None
- D01 - Pipe Type - Steel/Carbon Steel/Iron
- F06 - Pipe External Protection - Wrapped
- G02 - Tank Secondary Containment - Vault (w/access)
- H99 - Tank Leak Detection - Other
- I05 - Overfill - Vent Whistle
- J02 - Dispenser - Suction Dispenser
- L09 - Piping Leak Detection - Exempt Suction Piping
- B01 - Tank External Protection - Painted/Asphalt Coating
- I04 - Overfill - Product Level Gauge (A/G)
- C03 - Pipe Location - Aboveground/Underground Combination
- E00 - Piping Secondary Containment - None
- K00 - Spill Prevention - None

Tank Location: 6  
 Tank Type: Steel/Carbon Steel/Iron  
 Tank Status: In Service  
 Pipe Model: Not reported  
 Install Date: 08/07/1935  
 Capacity Gallons: 5000  
 Tightness Test Method: NN  
 Date Test: Not reported  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Register: True  
 Modified By: NRLOMBAR  
 Last Modified: 11/12/2014  
 Material Name: #4 Fuel Oil (On-Site Consumption)

**AN477**  
 East  
 1/8-1/4  
 0.245 mi.  
 1292 ft.

**FORMER 110TH STREET SERVICE STATION**  
**2040 FREDERICK DOUGLASS BOULEVARD**  
**NEW YORK, NY 10026**  
 Site 7 of 9 in cluster AN

**NY BROWNFIELDS S116041506**  
**N/A**

**Relative:**  
**Lower**

**BROWNFIELDS:**

Program: BCP  
 Site Code: 490268  
 Acres: .310  
 HW Code: C231087  
 SWIS: 3101  
 Town: New York City  
 Update By: JHOCONNE

**Actual:**  
**48 ft.**

Site Description: Location: The site is located in Manhattan and is bordered on the west by Frederick Douglass Boulevard, on the south by West 110th Street (Central Park North), on the north by West 111th Street and on the east by mixed commercial and residential buildings. Site Features: The site is a 0.31-acre parcel and is developed with a one-story service station building and roof canopy over gasoline dispensers. The service station closed in December 2013 and the site is currently unoccupied. Current Zoning and Land Use: The site is zoned R8A residential and C1-4 commercial. It is currently unoccupied. Past Use of the Site: The northwest portion of the site was originally developed in 1912 with a single-story building and a booth occupied by Aero Drome, a moving pictures company. In 1922, this building was occupied by stores on the first floor and a dance hall and billiard parlor on the second floor. In 1951, the first

MAP FINDINGS

**FORMER 110TH STREET SERVICE STATION (Continued)**

**S116041506**

floor was occupied by a gasoline station and auto repair facility with offices on the second floor. The present commercial building located in the eastern portion of the site was constructed in 1955 and utilized as a gasoline station until December 2013. Site Geology and Hydrogeology: The subsurface at the site consists of approximately 15 feet of silty non-native historic fill material with brick, concrete and rubble. Beneath the fill, native material is present consisting of brown silty sand, followed by a silty clay layer which is encountered between 22 and 37 feet below grade. Groundwater is present at a depth of approximately 35 feet below surface grade and flows in a south/southeast direction.

Env Problem: Nature and extent of contamination: Petroleum-related contaminants are present in the soil and groundwater beneath the site, due to the historic use of the property as a gasoline and automobile service station. Soil: Petroleum-related volatile organic compounds (VOCs) have been identified site-wide at concentrations that exceed the Unrestricted Use Soil Cleanup Objectives (UUSCO) and the Protection of Groundwater SCOs, but are below the Soil Cleanup Objectives for Restricted Residential Use of the site. The primary area of contamination is below the current and former Underground Storage Tanks (USTs). Petroleum-related VOCs identified in soil at concentrations exceeding the SCOs include: benzene detected as high as 0.4 parts per million (ppm) compared to the UUSCO of 0.06 ppm; ethylbenzene detected as high as 10 ppm compared to 1 ppm; xylene as high as 20 ppm compared to 0.26 ppm; 1,2,4-trimethylbenzene as high as 34 ppm compared to 3.6 ppm; and 1,3,5-trimethylbenzene detected as high as 11 ppm compared to 8.4 ppm. A few metals were detected at concentrations exceeding the UUSCOs as well including lead as high as 82 ppm compared to the UUSCO of 63 ppm and mercury as high as 0.44 ppm compared to 0.18 ppm. The contamination in soil was identified at the water table interface, which is typically encountered at approximately 35 feet below surface grade. Site-related soil contamination is not expected to extend off-site based on the available data. Groundwater: Petroleum-related VOCs and semi-volatile organic compounds (SVOCs) have been identified in groundwater at concentrations above the applicable groundwater standards (NYSDEC Class GA Ambient Water Quality Standards and Guidance Values (AWQSGV)). Petroleum product was also identified floating on the groundwater surface in 3 out of 8 on-site groundwater monitoring wells and 1 of 2 off-site monitoring wells (where detected, product thickness ranges from 0.02 feet to 1 foot). Petroleum- and oil-related VOCs detected in groundwater above the AWQSGV include: 1,2,4-trimethylbenzene detected as high as 670 parts per billion (ppb); 1,3,5-trimethylbenzene detected as high as 360 ppb; bromobenzene detected as high as 2,600 ppb; and total xylenes as high as 120 ppb. The AWQSGV for these contaminants is 5 ppb. Petroleum-related SVOCs detected above the AWQSGV include fluoranthene as high as 240 ppb and phenanthrene as high as 190 ppb (compared to the AWQSGV of 50 ppb for these contaminants); naphthalene detected as high as 1,000 ppb (compared to the AWQSGV of 10 ppb); and chrysene as high as 0.12 ppb, benzo(a)anthracene as high as 0.12 ppb; and benzo(b)fluoranthene as high as 0.35 ppb (compared to the AWQSGV of 0.002 ppb for these contaminants). Soil vapor: A wide range of VOCs were identified in soil vapor samples. No chlorinated solvents were identified at elevated concentrations.

Health Problem: People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FORMER 110TH STREET SERVICE STATION (Continued)**

**S116041506**

site. Direct contact with contaminants in the soil is unlikely because the site is covered by buildings and pavement. Volatile organic compounds in groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Environmental sampling indicates soil vapor is contaminated on-site and actions have been recommended to address the potential for soil vapor intrusion to occur in future on-site buildings. Sampling indicates that soil vapor intrusion is not a concern for off-site buildings.

**AN478**  
**East**  
**1/8-1/4**  
**0.245 mi.**  
**1292 ft.**

**AMOCO GAS STATION (FORMERLY EXXON)**  
**2040 FREDERICK DOUGLASS B**  
**MANHATTAN, NY**

**NY LTANKS** **S105996591**  
**N/A**

**Site 8 of 9 in cluster AN**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**48 ft.**

Site ID: 299821  
 Spill Number/Closed Date: 0205438 / 7/31/2006  
 Spill Date: 8/23/2002  
 Spill Cause: Tank Test Failure  
 Spill Source: Gasoline Station or other PBS Facility  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: MJHAGGER  
 Referred To: Not reported  
 Reported to Dept: 8/23/2002  
 CID: 365  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: True  
 Remediation Phase: 0  
 Date Entered In Computer: 8/23/2002  
 Spill Record Last Update: 5/4/2009  
 Spiller Name: Not reported  
 Spiller Company: EXXON  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ - 001  
 Spiller Contact: TERRI BREEN  
 Spiller Phone: (800) 726-2312  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 242536  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL" This spill case was reassigned from DEC (Sigona) to Rommelon 02/10/2004. Bureau B, unassigned, due to low priority. Transferred from R-2 on April 27, 2005. Formerly R-2 unassigned. 7/31/2006 - Haggerty - Property was originally an ExxonMobil gas station, but was divested to Tosco/Philips on March 31, 2000. Received fax from Mathew Matchette of Crompco Corporation (800-646-3161) who conducted tank

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMOCO GAS STATION (FORMERLY EXXON) (Continued)**

**S105996591**

and line tests. This spill was called in due to a line test failure on the super line. He provided the original line test failure as well as a subsequent meeting with Tyree Organization to discuss repairs and finally the passing line test. I contacted Terry Koch of Tyree (631-249-3150) to determine which if any repairs were needed. He faxed an invoice detailing their work done on site. The problem was determined to be a failure under the dispenser pan. Tyree excavated to the super line to expose the leak and replaced the flexhose and associated piping. Any product release was contained in the secondary containment system. All documents are pertaining to the clean-up are in eDocs. Spill closed

Remarks: LINE TEST FAILURE DUE TO SOMEONE RUNNING INTO THE LINE - THE SUPER TANK

Material:

Site ID: 299821  
Operable Unit ID: 856879  
Operable Unit: 01  
Material ID: 519640  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 299821  
Spill Tank Test: 1527402  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**AN479**  
**East**  
**1/8-1/4**  
**0.245 mi.**  
**1292 ft.**

**2040 FREDERICK DOUGLASS BLVD**  
**NEW YORK, NY 10026**  
**Site 9 of 9 in cluster AN**

**EDR US Hist Auto Stat 1015311451**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
Name: 110 ST AMOCO SERVICE STA  
Year: 2001  
Address: 2040 FREDERICK DOUGLASS BLVD

**Actual:**  
**48 ft.**

Name: 110 ST AMOCO SERVICE STATION  
Year: 2003  
Address: 2040 FREDERICK DOUGLASS BLVD

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015311451**

Name: 110 ST AMOCO SERVICE STA  
 Year: 2004  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: 110 ST EXXON SERVICE STATION  
 Year: 2005  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: 110 ST EXXON SERVICE STATION  
 Year: 2006  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: EXXON SERVICE STATION  
 Year: 2007  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: 110 ST EXXON SERVICE STATION  
 Year: 2008  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: EXXON  
 Year: 2009  
 Address: 2040 FREDERICK DOUGLASS BLVD

Name: FREDERICK EXXON  
 Year: 2010  
 Address: 2040 FREDERICK DOUGLASS BLVD

**AV480**  
**East**  
**1/8-1/4**  
**0.245 mi.**  
**1293 ft.**

**2053 FREDERICK DOUGLASS BLVD.**  
**2053 FREDERICK DOUGLASS BLVD.**  
**NEW YORK, NY 10026**  
**Site 4 of 5 in cluster AV**

**NY UST** **U003790822**  
**NY HIST UST** **N/A**

**Relative:**  
**Lower**

UST:  
 Id/Status: 2-605841 / Unregulated/Closed  
 Program Type: PBS  
 Region: STATE  
 DEC Region: 2  
 Expiration Date: 05/07/2006  
 UTM X: 587967.48855999997  
 UTM Y: 4517257.28899999999  
 Site Type: Apartment Building/Office Building

**Actual:**  
**47 ft.**

Affiliation Records:  
 Site Id: 27708  
 Affiliation Type: Facility Owner  
 Company Name: GATEWAY I, LLC  
 Contact Type: Not reported  
 Contact Name: Not reported  
 Address1: 18 BRAMBLEBUSH ROAD  
 Address2: Not reported  
 City: CROTON ON HUDSON  
 State: NY  
 Zip Code: 10520  
 Country Code: 001  
 Phone: (914) 271-6067  
 EMail: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2053 FREDERICK DOUGLASS BLVD. (Continued)**

**U003790822**

Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 27708  
Affiliation Type: Mail Contact  
Company Name: GAETANO & DIPLACIDI ASSOCIATES  
Contact Type: Not reported  
Contact Name: STEVE GAETANO  
Address1: 18 BRAMBLEBUSH ROAD  
Address2: Not reported  
City: CROTON ON HUDSON  
State: NY  
Zip Code: 10520  
Country Code: 001  
Phone: (914) 271-6067  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 27708  
Affiliation Type: On-Site Operator  
Company Name: 2053 FREDERICK DOUGLASS BLVD.  
Contact Type: Not reported  
Contact Name: GAETANO & DIPLACIDI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (914) 271-6067  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 27708  
Affiliation Type: Emergency Contact  
Company Name: GATEWAY I, LLC  
Contact Type: Not reported  
Contact Name: GAETANO & DIPLACIDI  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (914) 271-6067  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2053 FREDERICK DOUGLASS BLVD. (Continued)**

**U003790822**

Tank Number: 1  
Tank ID: 60559  
Tank Status: Closed - Removed  
Material Name: Closed - Removed  
Capacity Gallons: 2500  
Install Date: Not reported  
Date Tank Closed: 09/01/2000  
Registered: True  
Tank Location: Underground  
Tank Type: Steel/carbon steel  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Pipe Model: Not reported  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

HIST UST:

PBS Number: 2-605841  
SPDES Number: Not reported  
Emergency Contact: GAETANO & DIPLACIDI  
Emergency Telephone: (914) 271-6067  
Operator: GAETANO & DIPLACIDI  
Operator Telephone: (914) 271-6067  
Owner Name: GATEWAY I, LLC  
Owner Address: 18 BRAMBLEBUSH ROAD  
Owner City,St,Zip: CROTON ON HUDSON, NY 10520  
Owner Telephone: (914) 271-6067  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: GAETANO & DIPLACIDI ASSOCIATES  
Mailing Address: 18 BRAMBLEBUSH ROAD  
Mailing Address 2: Not reported  
Mailing City,St,Zip: CROTON ON HUDSON, NY 10520  
Mailing Contact: STEVE GAETANO  
Mailing Telephone: (914) 271-6067  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.  
Facility Addr2: Not reported  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: APARTMENT BUILDING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2053 FREDERICK DOUGLASS BLVD. (Continued)**

**U003790822**

Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: Not reported  
Expiration Date: 05/07/2006  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 2500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 09/01/2000  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**AS481**  
**WSW**  
**1/8-1/4**  
**0.245 mi.**  
**1295 ft.**

**NEW YORK CITY HOUSING AUTHORITY**  
**DOUGLASS HOUSES**  
**NEW YORK, NY 11101**  
**Site 8 of 10 in cluster AS**

**RCRA NonGen / NLR 1004761591**  
**NY MANIFEST NYR000088419**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: NEW YORK CITY HOUSING AUTHORITY  
Facility address: DOUGLASS HOUSES  
W 104TH ST

**Actual:**  
**103 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW YORK CITY HOUSING AUTHORITY (Continued)**

**1004761591**

EPA ID: NEW YORK, NY 11101  
NYR000088419  
Mailing address: NYCHA-TECH SERV-RECYCLING  
23-02 49TH AVE  
LONG ISLAND CITY, NY 11101  
Contact: ANTHONY N SOLOMITA  
Contact address: NYCHA-TECH SERV-RECYCLING  
LONG ISLAND CITY, NY 11101  
Contact country: US  
Contact telephone: (718) 707-5731  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: NEW YORK CITY HOUSING AUTHORITY  
Owner/operator address: 90 CHURCH ST  
NEW YORK, NY 10007  
Owner/operator country: US  
Owner/operator telephone: (212) 306-4338  
Legal status: Municipal  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: NEW YORK CITY HOUSING AUTHORITY  
Owner/operator address: 90 CHURCH ST  
NEW YORK, NY 10007  
Owner/operator country: US  
Owner/operator telephone: (212) 306-4338  
Legal status: Municipal  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 01/01/2006  
Site name: NEW YORK CITY HOUSING AUTHORITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW YORK CITY HOUSING AUTHORITY (Continued)**

**1004761591**

Classification: Not a generator, verified

Date form received by agency: 04/20/2002  
Site name: NEW YORK CITY HOUSING AUTHORITY  
Classification: Large Quantity Generator

Date form received by agency: 08/02/2000  
Site name: NYCHA DOUGLAS HOUSES  
Classification: Large Quantity Generator

. Waste code: D000  
. Waste name: Not Defined

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

**NY MANIFEST:**

EPA ID: NYR000088419  
Country: USA  
Location Address 1: W 104TH ST  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: NEW YORK CITY HOUSING AUTHORITY  
Contact: RAMESH TEWACA  
Address: 90 CHURCH STREET-12TH FLOOR  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: 212-306-4338

**Manifest:**

Document ID: NJA4003525  
Manifest Status: Not reported  
Trans1 State ID: S8424  
Trans2 State ID: Not reported  
Generator Ship Date: 04/25/2001  
Trans1 Recv Date: 04/25/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/25/2001  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000088419  
Trans1 EPA ID: NYD046765574  
Trans2 EPA ID: Not reported  
TSDF ID: NJD991291105  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 04500  
Units: P - Pounds  
Number of Containers: 008  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW YORK CITY HOUSING AUTHORITY (Continued)**

**1004761591**

Specific Gravity: 01.00  
Year: 2001

Document ID: NJA3174081  
Manifest Status: Not reported  
Trans1 State ID: S8424  
Trans2 State ID: Not reported  
Generator Ship Date: 08/03/2000  
Trans1 Recv Date: 08/03/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/08/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000088419  
Trans1 EPA ID: NYD046765574  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 09000  
Units: P - Pounds  
Number of Containers: 016  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2000

Document ID: NJA3292496  
Manifest Status: Not reported  
Trans1 State ID: S8424  
Trans2 State ID: Not reported  
Generator Ship Date: 06/08/2001  
Trans1 Recv Date: 06/08/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/08/2001  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000088419  
Trans1 EPA ID: NYD046765574  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00500  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2001

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AU482**  
**West**  
**1/8-1/4**  
**0.246 mi.**  
**1297 ft.**

**925 WEST END AVENUE**  
**925 WEST END AVENUE**  
**NEW YORK, NY 10025**  
**Site 13 of 13 in cluster AU**

**NY AST**    **A100177820**  
                   **N/A**

**Relative:**  
**Higher**

AST:

Region: STATE  
 DEC Region: 2  
 Site Status: Active  
 Facility Id: 2-405086  
 Program Type: PBS  
 UTM X: 586995.80356000003  
 UTM Y: 4517192.9461300001  
 Expiration Date: 03/21/2017  
 Site Type: Apartment Building/Office Building

**Actual:**  
**109 ft.**

Affiliation Records:

Site Id: 19513  
 Affiliation Type: Mail Contact  
 Company Name: 925D REALTY LLC C/O HELLER REALTY  
 Contact Type: AGENT  
 Contact Name: KEVIN PADGETT  
 Address1: 745 FIFTH AVENUE SUITE 1250  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10151  
 Country Code: 001  
 Phone: (212) 873-9200  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: BVCAMPBE  
 Date Last Modified: 12/23/2010

Site Id: 19513  
 Affiliation Type: On-Site Operator  
 Company Name: 925 WEST END AVENUE  
 Contact Type: Not reported  
 Contact Name: JOHN HOLLAND  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported  
 State: NN  
 Zip Code: Not reported  
 Country Code: 001  
 Phone: (917) 945-3341  
 EMail: Not reported  
 Fax Number: Not reported  
 Modified By: BVCAMPBE  
 Date Last Modified: 12/23/2010

Site Id: 19513  
 Affiliation Type: Emergency Contact  
 Company Name: 925D REALTY LLC C/O HELLER REALTY  
 Contact Type: Not reported  
 Contact Name: JOHN HOLLAND  
 Address1: Not reported  
 Address2: Not reported  
 City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

925 WEST END AVENUE (Continued)

A100177820

State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 945-3341  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Site Id: 19513  
Affiliation Type: Facility Owner  
Company Name: 925D REALTY LLC C/O HELLER REALTY  
Contact Type: AGENT  
Contact Name: KEVIN PADGETT  
Address1: 745 FIFTH AVENUE SUITE 1250  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10151  
Country Code: 001  
Phone: (212) 873-9200  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/23/2010

Tank Info:

Tank Number: 001  
Tank Id: 23049  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D02 - Pipe Type - Galvanized Steel  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 02/02/1988  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**925 WEST END AVENUE (Continued)**

**A100177820**

Register: True  
Modified By: MSBAPTIS  
Last Modified: 01/23/2012  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AZ483**  
**WSW**  
**1/8-1/4**  
**0.247 mi.**  
**1304 ft.**

**DOUGLAS II**  
**244 WEST 104TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **U004078140**  
**N/A**

**Site 1 of 2 in cluster AZ**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated/Closed  
Facility Id: 2-601873  
Program Type: PBS  
UTM X: 587054.68947999994  
UTM Y: 4517057.0823499998  
Expiration Date: 10/25/2004  
Site Type: Apartment Building/Office Building

**Actual:**  
**103 ft.**

Affiliation Records:

Site Id: 23835  
Affiliation Type: Facility Owner  
Company Name: NYC HOUSING AUTHORITY  
Contact Type: FUEL OIL REMEDIATION COORDINATOR  
Contact Name: FUEL OIL REMEDIATION COORD.  
Address1: 23-02 49TH AVENUE  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 707-5725  
EMail: Not reported  
Fax Number: Not reported  
Modified By: EXROSSAN  
Date Last Modified: 9/30/2005

Site Id: 23835  
Affiliation Type: Mail Contact  
Company Name: NEW YORK CITY HOUSING AUTHORITY  
Contact Type: Not reported  
Contact Name: LUIS PONCE  
Address1: 23-02 49TH AVENUE  
Address2: Not reported  
City: LONG ISLAND CITY  
State: NY  
Zip Code: 11101  
Country Code: 001  
Phone: (718) 707-5725  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 23835

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS II (Continued)**

**U004078140**

Affiliation Type: On-Site Operator  
Company Name: DOUGLAS II  
Contact Type: Not reported  
Contact Name: LUIS PONCE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 707-5725  
EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 23835  
Affiliation Type: Emergency Contact  
Company Name: NYC HOUSING AUTHORITY  
Contact Type: Not reported  
Contact Name: EMERGENCY SERVICE DEPT.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 707-5725  
EMail: Not reported  
Fax Number: Not reported  
Modified By: EXROSSAN  
Date Last Modified: 9/21/2005

Tank Info:

Tank Number: 001  
Tank Id: 48188  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
F06 - Pipe External Protection - Wrapped  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 12/01/1996  
Capacity Gallons: 1080

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS II (Continued)**

**U004078140**

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 08/01/1996  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 1  
Tank Id: 56259  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
H05 - Tank Leak Detection - In-Tank System (ATG)  
B00 - Tank External Protection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 03/01/1997  
Capacity Gallons: 1080  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #2 Fuel Oil (On-Site Consumption)

**AX484**  
North  
1/8-1/4  
0.248 mi.  
1309 ft.

**TRUSTEES OF COLUMBIA UNIV**  
**549 WEST 113TH STREET**  
**NEW YORK, NY 10025**  
**Site 4 of 4 in cluster AX**

**NY AST U003394441**  
**NY HIST AST N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-453625  
Program Type: PBS  
UTM X: 587434.15313999995  
UTM Y: 4517695.7173300004  
Expiration Date: 10/14/2018  
Site Type: Apartment Building/Office Building

**Actual:**  
**118 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TRUSTEES OF COLUMBIA UNIV (Continued)

U003394441

Affiliation Records:

Site Id: 19873  
Affiliation Type: Facility Owner  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19873  
Affiliation Type: Mail Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: ASST VP  
Contact Name: MARK KERMAN  
Address1: 400 WEST 119TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10027  
Country Code: 001  
Phone: (212) 854-9300  
EMail: MK17@COLUMBIA.EDU  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19873  
Affiliation Type: On-Site Operator  
Company Name: COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: TRUSTEES OF COLUMBIA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-9300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/21/2013

Site Id: 19873  
Affiliation Type: Emergency Contact  
Company Name: TRUSTEES OF COLUMBIA UNIVERSITY  
Contact Type: Not reported  
Contact Name: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394441**

Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 854-2222  
EMail: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/16/2013

Tank Info:

Tank Number: 001  
Tank Id: 35685  
Material Code: 0001  
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
I05 - Overfill - Vent Whistle  
J02 - Dispenser - Suction Dispenser  
K99 - Spill Prevention - Other  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
C01 - Pipe Location - Aboveground  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 04/01/1963  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/21/2013  
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-453625  
SWIS Code: 6201  
Operator: TRUSTEES OF COLUMBIA UNIV  
Facility Phone: (212) 854-9300  
Facility Addr2: 549 WEST 113TH STREET  
Facility Type: APARTMENT BUILDING  
Emergency: MARK L. KERMAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394441**

Emergency Tel: (212) 854-2275  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: TRUSTEES OF COLUMBIA UNIV  
Owner Address: 400 WEST 119TH STREET  
Owner City,St,Zip: NEW YORK, NY 10027  
Federal ID: Not reported  
Owner Tel: (212) 854-9300  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: MARK KERMAN  
Mailing Name: TRUSTEES OF COLUMBIA UNIV  
Mailing Address: 400 WEST 119TH STREET  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10027  
Mailing Telephone: (212) 865-9300  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/29/1998  
Expiration: 10/14/2003  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 0  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 64  
Dispenser Method: Suction  
Date Tested: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUSTEES OF COLUMBIA UNIV (Continued)**

**U003394441**

Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**AW485**  
**WNW**  
**1/8-1/4**  
**0.248 mi.**  
**1310 ft.**

**RESIDENCE**  
**324 WEST 108TH ST**  
**MANHATTAN, NY**  
**Site 2 of 2 in cluster AW**

**NY LTANKS** **S104514905**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**104 ft.**

Site ID: 222580  
Spill Number/Closed Date: 9805652 / 7/28/2003  
Spill Date: 8/6/1998  
Spill Cause: Tank Overfill  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 8/6/1998  
CID: 252  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/6/1998  
Spill Record Last Update: 7/28/2003  
Spiller Name: JIM CAREY  
Spiller Company: CASTLE OIL CORPORATION  
Spiller Address: 290 LOCUST AVENUE  
Spiller City,St,Zip: BRONX, NY 10454-  
Spiller County: 001  
Spiller Contact: UNK  
Spiller Phone: (212) 678-6333  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 184047  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"7/28/03 - DUE TO NATURE OF SPILL EVENT, SPILL CLOSED IN DATABASE - ORIG, ASSIGNED TO SIGONA - END  
Remarks: PROPERTY LISTED UNDER ST LUKES-ROOSEVELT HOSPITAL-ANNEXSPILL HAS BEEN CLEANED UP.

**Material:**

Site ID: 222580  
Operable Unit ID: 1066946

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S104514905**

Operable Unit: 01  
Material ID: 320388  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 9413286  
Facility Type: ER  
DER Facility ID: 275844  
Site ID: 85902  
DEC Region: 2  
Spill Date: 1/5/1995  
Spill Number/Closed Date: 9413286 / 1/5/1995  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 1/5/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party  
Cleanup Ceased: 1/5/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/27/1995  
Spill Record Last Update: 3/15/1995  
Spiller Name: Not reported  
Spiller Company: SAME  
Spiller Address: Not reported  
Spiller City,St,Zip: NN  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: HOSE FELL OUT OF FILL AREA AND SPILLED, CLEAN UP CREW ON SCENE.

**Material:**

Site ID: 85902  
Operable Unit ID: 1010831  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S104514905**

Material ID: 372031  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: 5  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AS486**  
**WSW**  
**1/8-1/4**  
**0.248 mi.**  
**1310 ft.**

**CONSOLIDATED EDISON**  
**V2717-13 BROADWAY**  
**NEW YORK, NY 10020**  
**Site 9 of 10 in cluster AS**

**NY MANIFEST 1009239453**  
**N/A**

**Relative:**  
**Higher**

NY MANIFEST:  
EPA ID: NYP004061503  
Country: USA  
Location Address 1: V2717-13 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10020  
Location Zip Code 4: Not reported

**Actual:**  
**102 ft.**

Mailing Info:

Name: CONSOLIDATED EDISON  
Contact: FRANKLIN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

Manifest:

Document ID: NYE0670239  
Manifest Status: Not reported  
Trans1 State ID: 80416AB  
Trans2 State ID: Not reported  
Generator Ship Date: 09/05/2000  
Trans1 Recv Date: 09/05/2000  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/06/2000  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004061503  
Trans1 EPA ID: NYD006982359  
Trans2 EPA ID: Not reported  
TSD ID: NYD980593636  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 03300  
Units: K - Kilograms (2.2 pounds)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**1009239453**

Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 2000

**AY487**  
**NNW**  
**1/8-1/4**  
**0.248 mi.**  
**1312 ft.**

**605/611 WEST 111TH REALTY**  
**605/611 WEST 111TH STREET**  
**NEW YORK, NY 10025**

**NY AST** **A100193878**  
**N/A**

**Site 5 of 5 in cluster AY**

**Relative:**  
**Higher**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-091308  
Program Type: PBS  
UTM X: 587185.31065999996  
UTM Y: 4517611.9851099998  
Expiration Date: 10/03/2016  
Site Type: Apartment Building/Office Building

**Actual:**  
**117 ft.**

Affiliation Records:

Site Id: 2282  
Affiliation Type: Facility Owner  
Company Name: 605-611 WEST 111TH STREET REALTY  
Contact Type: ASST SECRETARY  
Contact Name: GINA FAZZALANO  
Address1: 605-611 WEST 111TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 986-0001  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/16/2011

Site Id: 2282  
Affiliation Type: Mail Contact  
Company Name: Not reported  
Contact Type: Not reported  
Contact Name: GINA FAZZALANO  
Address1: 8 WEST 38TH STREET - 7TH FLR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 986-0001  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/16/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**605/611 WEST 111TH REALTY (Continued)**

**A100193878**

Site Id: 2282  
Affiliation Type: On-Site Operator  
Company Name: 605/611 WEST 111TH REALTY  
Contact Type: Not reported  
Contact Name: ANGEL ANSENIO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 823-6507  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/16/2011

Site Id: 2282  
Affiliation Type: Emergency Contact  
Company Name: 605-611 WEST 111TH STREET REALTY  
Contact Type: Not reported  
Contact Name: GINA FAZZALARO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (212) 986-0001  
EMail: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 11/16/2011

**Tank Info:**

Tank Number: 001  
Tank Id: 3608  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

**Equipment Records:**

H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G01 - Tank Secondary Containment - Diking (Aboveground)  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B01 - Tank External Protection - Painted/Asphalt Coating  
F04 - Pipe External Protection - Fiberglass  
I04 - Overfill - Product Level Gauge (A/G)  
C01 - Pipe Location - Aboveground  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**605/611 WEST 111TH REALTY (Continued)**

**A100193878**

Install Date: 06/01/1900  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 11/16/2011  
Material Name: #6 Fuel Oil (On-Site Consumption)

**BA488  
SSE  
1/8-1/4  
0.248 mi.  
1312 ft.**

**CONSOLIDATED EDISON  
94 MANHATTAN AVE  
NEW YORK, NY 10020  
Site 1 of 2 in cluster BA**

**NY MANIFEST S109825654  
N/A**

**Relative:  
Higher**

NY MANIFEST:  
EPA ID: NYP004177747  
Country: USA  
Location Address 1: 94 MANHATTAN AVE  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10020  
Location Zip Code 4: Not reported

**Actual:  
111 ft.**

Mailing Info:  
Name: CONSOLIDATED EDISON  
Contact: FRANKLYN MURRAY  
Address: 4 IRVING PLACE RM 828  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-2808

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 06/25/2009  
Trans1 Recv Date: 06/25/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/25/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004177747  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 2000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSOLIDATED EDISON (Continued)**

**S109825654**

Year: 2009  
Manifest Tracking Num: 001083622GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

**AV489**  
**East**  
**1/8-1/4**  
**0.249 mi.**  
**1313 ft.**

**CON EDISON SERVICE BOX: 32534**  
**2056-2058 8TH AVE FRONT OF**  
**NEW YORK, NY 10025**

**RCRA NonGen / NLR**  
**FINDS**  
**NY MANIFEST**

**1016454944**  
**NYP004339362**

**Site 5 of 5 in cluster AV**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 08/31/2013

Facility name: CON EDISON SERVICE BOX: 32534

Facility address: 2056-2058 8TH AVE FRONT OF  
NEW YORK, NY 10025

EPA ID: NYP004339362

Mailing address: VING PL, 15TH FL NE  
NEW YORK, NY 10003

Contact: THOMAS TEELING

Contact address: Not reported  
Not reported

Contact country: Not reported

Contact telephone: (212) 460-3770

Contact email: Not reported

EPA Region: 02

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/31/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 32534 (Continued)**

**1016454944**

Site name: CON EDISON SERVICE BOX: 32534  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

**FINDS:**

Registry ID: 110056495500

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**NY MANIFEST:**

EPA ID: NYP004339362  
Country: USA  
Location Address 1: FO 2056 8 AVE  
Location Address 2: SB #32534  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10026  
Location Zip Code 4: Not reported

**Mailing Info:**

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PLACE 15TH FLOOR  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

**Manifest:**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/31/2013  
Trans1 Recv Date: 07/31/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/01/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004339362  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 32534 (Continued)**

**1016454944**

Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 011694591JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

**AS490**  
**WSW**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**RITE AID #4187**  
**2712 BROADWAY**  
**NEW YORK, NY 10025**  
**Site 10 of 10 in cluster AS**

**RCRA-CESQG 1014927069**  
**NY MANIFEST NYR000188599**

**Relative:**  
**Higher**

RCRA-CESQG:

Date form received by agency: 11/04/2011  
Facility name: RITE AID #4187  
Facility address: 2712 BROADWAY  
NEW YORK, NY 10025  
EPA ID: NYR000188599  
Mailing address: HUNTER LN  
CAMP HILL, PA 17011  
Contact: STEPHANIE A CAIATI  
Contact address: HUNTER LN  
CAMP HILL, PA 17011  
Contact country: US  
Contact telephone: (717) 730-8225  
Contact email: SSCAIATI@RITEAID.COM  
EPA Region: 02  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Actual:**  
**100 ft.**

Owner/Operator Summary:

Owner/operator name: RITE AID CORP  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Owner/operator country: US  
Owner/operator telephone: (717) 761-2633  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/09/1996  
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP  
Owner/operator address: HUNTER LN  
CAMP HILL, PA 17011

Owner/operator country: US  
Owner/operator telephone: (717) 761-2633  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: 09/09/1996  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

. Waste code: P075  
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYR000188599  
Country: USA  
Location Address 1: 2712 BROADWAY  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: Not reported

Mailing Info:

Name: RITE AID #4187  
Contact: RITE AID #4187  
Address: 2712 BROADWAY  
City/State/Zip: NEW YORK, NY 10025  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 06/17/2014  
Trans1 Recv Date: 06/17/2014  
Trans2 Recv Date: 06/19/2014  
TSD Site Recv Date: 06/26/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 7  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006294215FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: MNS000110924  
Trans2 State ID: NJR000063677  
Generator Ship Date: 07/10/2014  
Trans1 Recv Date: 07/10/2014  
Trans2 Recv Date: 07/14/2014  
TSD Site Recv Date: 07/28/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: PAD085690592  
Waste Code: Not reported  
Quantity: 1  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006294282FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 05/29/2014  
Trans1 Recv Date: 05/29/2014  
Trans2 Recv Date: 06/05/2014  
TSD Site Recv Date: 06/11/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 5  
Units: P - Pounds

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427590FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 03/07/2014  
Trans1 Recv Date: 03/07/2014  
Trans2 Recv Date: 03/10/2014  
TSD Site Recv Date: 03/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 0.01  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427409FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 03/07/2014  
Trans1 Recv Date: 03/07/2014  
Trans2 Recv Date: 03/10/2014  
TSD Site Recv Date: 03/18/2014  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 5  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2014  
Manifest Tracking Num: 006427409FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012  
Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 1.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875896FLE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012  
Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 14.0  
Units: P - Pounds  
Number of Containers: 2.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875896FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H121

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJD054126164  
Generator Ship Date: 07/17/2012  
Trans1 Recv Date: 07/17/2012  
Trans2 Recv Date: 07/27/2012  
TSD Site Recv Date: 08/02/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: OHD083377010  
Waste Code: Not reported  
Quantity: 16.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 1.0  
Year: 2012  
Manifest Tracking Num: 005875896FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H050

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 01/21/2013  
Trans1 Recv Date: 01/21/2013  
Trans2 Recv Date: 01/25/2013  
TSD Site Recv Date: 02/08/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 3  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005535401FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 01/21/2013  
Trans1 Recv Date: 01/21/2013  
Trans2 Recv Date: 01/25/2013  
TSD Site Recv Date: 02/08/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 7  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005535401FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 07/08/2013  
Trans1 Recv Date: 07/08/2013  
Trans2 Recv Date: 07/10/2013  
TSD Site Recv Date: 07/19/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Waste Code: Not reported  
Quantity: 1  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005532384FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 07/08/2013  
Trans1 Recv Date: 07/08/2013  
Trans2 Recv Date: 07/10/2013  
TSD Site Recv Date: 07/19/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 3  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005532384FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 12/13/2013  
Trans1 Recv Date: 12/13/2013  
Trans2 Recv Date: 12/18/2013  
TSD Site Recv Date: 12/30/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 6  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005411211FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 12/13/2013  
Trans1 Recv Date: 12/13/2013  
Trans2 Recv Date: 12/18/2013  
TSD Site Recv Date: 12/30/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 7  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Year: 2013  
Manifest Tracking Num: 005411211FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/01/2013  
Trans1 Recv Date: 10/01/2013  
Trans2 Recv Date: 10/02/2013  
TSD Site Recv Date: 10/07/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 0.01  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1

Year: 2013  
Manifest Tracking Num: 005065773FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 10/01/2013  
Trans1 Recv Date: 10/01/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Trans2 Recv Date: 10/02/2013  
TSD Site Recv Date: 10/07/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 6  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 005065773FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: Y  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H141

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: CTD983872698  
Trans2 State ID: NJR000063677  
Generator Ship Date: 04/13/2013  
Trans1 Recv Date: 04/13/2013  
Trans2 Recv Date: 04/15/2013  
TSD Site Recv Date: 04/24/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000188599  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: INR000110197  
Waste Code: Not reported  
Quantity: 2  
Units: P - Pounds  
Number of Containers: 1  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 006296124FLE  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RITE AID #4187 (Continued)**

**1014927069**

Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H141

Document ID: Not reported  
 Manifest Status: Not reported  
 Trans1 State ID: CTD983872698  
 Trans2 State ID: NJR000063677  
 Generator Ship Date: 10/01/2013  
 Trans1 Recv Date: 10/01/2013  
 Trans2 Recv Date: 10/02/2013  
 TSD Site Recv Date: 10/07/2013  
 Part A Recv Date: Not reported  
 Part B Recv Date: Not reported  
 Generator EPA ID: NYR000188599  
 Trans1 EPA ID: Not reported  
 Trans2 EPA ID: Not reported  
 TSD ID: INR000110197  
 Waste Code: Not reported  
 Quantity: 1  
 Units: P - Pounds  
 Number of Containers: 1  
 Container Type: CF - Fiber or plastic boxes, cartons  
 Handling Method: L Landfill.  
 Specific Gravity: 1  
 Year: 2013  
 Manifest Tracking Num: 005065773FLE  
 Import Ind: N  
 Export Ind: N  
 Discr Quantity Ind: Y  
 Discr Type Ind: N  
 Discr Residue Ind: N  
 Discr Partial Reject Ind: N  
 Discr Full Reject Ind: N  
 Manifest Ref Num: Not reported  
 Alt Fac RCRA Id: Not reported  
 Alt Fac Sign Date: Not reported  
 Mgmt Method Type Code: H141

**491**  
**East**  
**1/8-1/4**  
**0.250 mi.**  
**1320 ft.**

**CONED**  
**327 W 112TH ST**  
**NEW YORK, NY 10001**

**NY MANIFEST S109825040**  
**N/A**

**Relative:**  
**Lower**

NY MANIFEST:  
 EPA ID: NYP004177838  
 Country: USA  
 Location Address 1: 327 W 112TH ST  
 Location Address 2: Not reported  
 Location City: NEW YORK  
 Location State: NY  
 Location Zip Code: 10001

**Actual:**  
**44 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONED (Continued)**

**S109825040**

Location Zip Code 4: Not reported

Mailing Info:

Name: CONED  
Contact: CONED  
Address: 4 IRVING ST  
Address 2: ROOM 818  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: Not reported

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: Not reported  
Generator Ship Date: 07/01/2009  
Trans1 Recv Date: 07/01/2009  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/01/2009  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004177838  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD002200046  
Waste Code: Not reported  
Quantity: 1000.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2009  
Manifest Tracking Num: 001083947GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H111

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BB492**    **DOUBLE DOWN REALTY CORP**  
**ENE**      **312 MANHATTAN AVE**  
**1/8-1/4**    **NEW YORK, NY 10026**  
**0.250 mi.**  
**1320 ft.**    **Site 1 of 2 in cluster BB**

**NY AST**    **U003384809**  
**NY HIST AST**    **N/A**

**Relative:**  
**Lower**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-095117  
Program Type: PBS  
UTM X: 587914.93315000006  
UTM Y: 4517434.18845000002  
Expiration Date: 05/07/2017  
Site Type: Apartment Building/Office Building

**Actual:**  
**39 ft.**

Affiliation Records:

Site Id: 2615  
Affiliation Type: Facility Owner  
Company Name: DOUBLEDOWN REALTY CORP  
Contact Type: VP  
Contact Name: SCOTT MILCHMAN  
Address1: 655 PELHAM PKWY NO  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10464  
Country Code: 001  
Phone: (718) 654-5959  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/5/2012

Site Id: 2615  
Affiliation Type: Mail Contact  
Company Name: DOUBLEDOWN REALTY CORP  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 655 PELHAM PKWY NO  
Address2: Not reported  
City: BRONX  
State: NY  
Zip Code: 10464  
Country Code: 001  
Phone: (718) 654-5959  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/5/2012

Site Id: 2615  
Affiliation Type: On-Site Operator  
Company Name: DOUBLE DOWN REALTY CORP  
Contact Type: Not reported  
Contact Name: JULIO JIMENEZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUBLE DOWN REALTY CORP (Continued)**

**U003384809**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (718) 654-5959  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/5/2012

Site Id: 2615  
Affiliation Type: Emergency Contact  
Company Name: DOUBLEDOWN REALTY CORP  
Contact Type: Not reported  
Contact Name: LUZ OCASIO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (718) 654-5959  
EMail: Not reported  
Fax Number: Not reported  
Modified By: KAKYER  
Date Last Modified: 12/5/2012

Tank Info:

Tank Number: 001  
Tank Id: 4504  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 01/01/1977  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: msbaptis

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUBLE DOWN REALTY CORP (Continued)**

**U003384809**

Last Modified: 02/09/2007  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-095117  
SWIS Code: 6201  
Operator: SYLVESTER SUMMELS  
Facility Phone: (212) 654-5959  
Facility Addr2: 312 MANHATTAN AVE  
Facility Type: APARTMENT BUILDING  
Emergency: JESUS TORRES  
Emergency Tel: (212) 654-5959  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: DOUBLEDOWN REALTY CORP  
Owner Address: 655 PELHAM PKWY NO  
Owner City,St,Zip: BRONX, NY 10464  
Federal ID: Not reported  
Owner Tel: (212) 654-5959  
Owner Type: Not reported  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: DOUBLEDOWN REALTY CORP  
Mailing Address: 655 PELHAM PKWY NO  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BRONX, NY 10464  
Mailing Telephone: (212) 654-5959  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 05/01/1997  
Expiration: 05/07/2002  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 5000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 001  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: Not reported  
Capacity (Gal): 5000  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DOUBLE DOWN REALTY CORP (Continued)**

**U003384809**

Tank Internal: Not reported  
 Tank External: Not reported  
 Pipe Location: Not reported  
 Pipe Type: STEEL/IRON  
 Pipe Internal: Not reported  
 Pipe External: Not reported  
 Tank Containment: None  
 Leak Detection: 0  
 Overfill Protection: 4  
 Dispenser Method: Suction  
 Date Tested: Not reported  
 Next Test Date: Not reported  
 Missing Data for Tank: Minor Data Missing  
 Date Closed: Not reported  
 Test Method: Not reported  
 Deleted: False  
 Updated: False  
 SPDES Number: Not reported  
 Lat/Long: Not reported

**BB493**  
**ENE**  
**1/8-1/4**  
**0.250 mi.**  
**1320 ft.**

**CON EDISON SERVICE BOX: 51239**  
**312 MANHATTAN AVE FRONT OF**  
**NEW YORK, NY 10026**

**RCRA NonGen / NLR 1016961481**  
**NY MANIFEST NYP004342101**

**Site 2 of 2 in cluster BB**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**39 ft.**

Date form received by agency: 09/06/2013  
 Facility name: CON EDISON SERVICE BOX: 51239  
 Facility address: 312 MANHATTAN AVE FRONT OF  
 NEW YORK, NY 10026  
 EPA ID: NYP004342101  
 Mailing address: IRVING PL, RM 828  
 NEW YORK, NY 10003  
 Contact: JUAN RODRIGUEZ  
 Contact address: Not reported  
 Not reported  
 Contact country: Not reported  
 Contact telephone: (347) 865-5931  
 Contact email: Not reported  
 EPA Region: 02  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON SERVICE BOX: 51239 (Continued)**

**1016961481**

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/06/2013  
Site name: CON EDISON SERVICE BOX: 51239  
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004342101  
Country: USA  
Location Address 1: 312 MANHATTAN AVE  
Location Address 2: SB 51239  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10026  
Location Zip Code 4: Not reported

Mailing Info:

Name: CON EDISON  
Contact: CON EDISON  
Address: 4 IRVING PL 15TH FL  
City/State/Zip: NEW YORK, NY 10003  
Country: USA  
Phone: 212-460-3770

Manifest:

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD003812047  
Trans2 State ID: Not reported  
Generator Ship Date: 08/06/2013  
Trans1 Recv Date: 08/06/2013  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/07/2013  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYP004342101  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NJD991291105  
Waste Code: Not reported  
Quantity: 500  
Units: P - Pounds  
Number of Containers: 1  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1  
Year: 2013  
Manifest Tracking Num: 002086846GBF  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON EDISON SERVICE BOX: 51239 (Continued)

1016961481

Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H110

AZ494  
WSW  
1/4-1/2  
0.251 mi.  
1324 ft.

SPILL NUMBER 9804339  
245 WEST 104TH STREET  
MANHATTAN, NY  
Site 2 of 2 in cluster AZ

NY LTANKS S105998297  
NY Spills N/A

Relative:  
Higher

LTANKS:

Actual:  
105 ft.

Site ID: 73624  
Spill Number/Closed Date: 0211958 / 11/13/2003  
Spill Date: 3/4/2003  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 3/4/2003  
CID: 257  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/4/2003  
Spill Record Last Update: 4/15/2004  
Spiller Name: DAVIDSON ASSCO  
Spiller Company: Not reported  
Spiller Address: 245 WEST 104TH ST  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller County: 001  
Spiller Contact: DAVIDSON ASSCO  
Spiller Phone: (718) 297-0606  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 69280  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"3/6/03 TIPPLE SPOKE WITH KEVIN BARTLEY FROM USA TANK, HE HAS BEEN RETAINED TO COMPLETE THE CLEANUP. CONTAMINATED SOIL LETTER SENT AS A FOLLOWUP.6/13/2003 SITE VISIT AT 6:45 AM REVEALED THE #6 FUEL OIL SPILL HAD BEEN REMEDIATED, THERE WERE A FEW DROPS OF WAS EXPLAINED BY USA TANK TO BE #2 OIL COMING FROM A SMALL FRACTURE IN THE ROCK FLOOR, THE FRACTURE WILL BE SEALED AND ENGINEERING CONTROLS WILL BE IMPLEMENTED. A PRODUCT ID WAS DONE AND THOSE RESULTS WILL BE FORWARDED TO DEC. 10/17/03 Tipple updating// see also spill # 02-12465 #2 fo spill must be completely cleaned prior to issuance of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 9804339 (Continued)**

**S105998297**

Remarks: a nfa for this location 10/20/03 tipple updating/////report arrives,  
nfa issuance AWAITING MANIFESTS 11/12 nfa manifests recieved  
while pumping out tank caller found oil in the pit - sump is unplugged

Material:

Site ID: 73624  
Operable Unit ID: 862972  
Operable Unit: 01  
Material ID: 511736  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 9804339  
Facility Type: ER  
DER Facility ID: 75113  
Site ID: 81154  
DEC Region: 2  
Spill Date: 7/7/1998  
Spill Number/Closed Date: 9804339 / 7/7/1998  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
3101  
SWIS:  
Investigator: WOOLSEY  
Referred To: Not reported  
Reported to Dept: 7/7/1998  
CID: 266  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/7/1998  
Spill Record Last Update: 7/8/1998  
Spiller Name: Not reported  
Spiller Company: DAVID ASSOCIATES  
Spiller Address: 245 WEST 104TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: (212) 749-5685

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 9804339 (Continued)**

**S105998297**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "WOOSLEY"SPOKE TO SILVERYLADE,CUSTOMER ORDERED 2400 GALLONS,SPILLED 1800 GALLONS.TRI-STATE WORKING ON CLEAN-UP.NOTHINGWENT INTO SEWER.  
Remarks: customer ordered too much oil. spilled onto concrete sidewalk. being cleaned up by tri-state environmental.

Material:  
Site ID: 81154  
Operable Unit ID: 1062251  
Operable Unit: 01  
Material ID: 558037  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 40  
Units: Gallons  
Recovered: 40  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0212465  
Facility Type: ER  
DER Facility ID: 69280  
Site ID: 73625  
DEC Region: 2  
Spill Date: 3/18/2003  
Spill Number/Closed Date: 0212465 / 10/17/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JXZHAO  
Referred To: Not reported  
Reported to Dept: 3/18/2003  
CID: 281  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/18/2003  
Spill Record Last Update: 10/17/2003  
Spiller Name: UNKNOWN  
Spiller Company: DAVID ASSOCIATES  
Spiller Address: SAME  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: TONY PERETTO  
Contact Phone: (718) 932-9075 275

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 9804339 (Continued)**

**S105998297**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHAO"3/19/2003 - JZ: US Tank on site when spill occur. Immediate action taken by apply speedy dry and Mystic on scene for initial clean up, and will power wash tomorrow.10/17 03 tipple updating//referred to spill # 02-11958

Remarks: VENT FAILURE DURING DELIVERY AT ABOVE LOCATION. CLEANUP IS UNDERWAY AT TIME OF CALL.

Material:

Site ID: 73625  
Operable Unit ID: 865922  
Operable Unit: 01  
Material ID: 512198  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BC495  
NW  
1/4-1/2  
0.253 mi.  
1334 ft.**

**SPILL NUMBER 0202369  
610 WEST 110TH STREET  
MANHATTAN, NY  
Site 1 of 3 in cluster BC**

**NY LTANKS S102671935  
NY Spills N/A**

**Relative:  
Higher**

LTANKS:  
Site ID: 325209  
Spill Number/Closed Date: 9206075 / 1/21/2003  
Spill Date: 8/25/1992  
Spill Cause: Tank Overfill  
Spill Source: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 8/26/1992  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 9/2/1992  
Spill Record Last Update: 1/21/2003  
Spiller Name: Not reported  
Spiller Company: ZUCKERMAN & WALDORF REAL E  
Spiller Address: 134 WEST 32ND STREET RM50

**Actual:  
109 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0202369 (Continued)**

**S102671935**

Spiller City,St,Zip: NY, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 261974  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE/VOUGHT"1/14/2003-Vought-Spoke with Isaac and he will send pictures of tank room floor in relation to spill 0202369.1/21/2003-Vought-Spoke with Isaac Mungra (PTC 718-624-4842). Closure report sent by PTC. See spill #0202369. This spill closed by Vought due to same location of spill 0202369.  
Remarks: TANK OVERFILL WEAK AREA AND IT RUSTED, HOLE IN TANK CONTAINED IN BASEMENT VAULTED TANK CLEANING UP WITH SPEEDI-DRI & SQUEEGIES.

Material:  
Site ID: 325209  
Operable Unit ID: 969834  
Operable Unit: 01  
Material ID: 410257  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1000  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 0202369  
Facility Type: ER  
DER Facility ID: 261974  
Site ID: 325208  
DEC Region: 2  
Spill Date: 6/4/2002  
Spill Number/Closed Date: 0202369 / 1/21/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 6/4/2002  
CID: 266  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0202369 (Continued)**

**S102671935**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/4/2002  
Spill Record Last Update: 1/21/2003  
Spiller Name: SIDNEY HIRTH  
Spiller Company: HIRTH MANAGEMENT  
Spiller Address: 210 WEST 70TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO/VOUGHT"12/17/2002-Vought-Spoke with Isaac Mungra (PTC) who was hired to clean spill. PTC performed site visit and found water in tank room. Sidewalk was cleaned by AL Eastmond. PTC will drum water and send disposal manifest. Concrete is in good condition. Source of water is porous wall which will be sealed. Will also replace fill line which has small leak into tank room. Tank will be rescraped and painted. Will send pictures, manifest and NFA letter.  
1/17/2003-Vought-Spoke with Isaac Mungra who will have someone take pictures today and send closure report by Tues 1/21. Vought called Hertz (516-238-40520) and told him to call PTC to have them send NYSDEC report.1/21/2003-Vought-Spoke and received fax from Isacc Mungra. Fax was closure report including work description (with confirmatory statement that concrete had no cracks or crevices). Work performed included removing vent alarm from sidewalk vent and replacing at tank top, replaced fill line, removed five drums speedy dry (disposal manifest provided), scrape/wipe/paint tank exterior, epoxy tank room floors and walls. Spill on concrete and no sewers or drains were affected. Spill #9206075 closed due to same location within tank room. Both spills closed by Vought.

Remarks: BROKEN GUAGE ON TANK. SPILLED ONTO CONCRETE SIDEWALK. BEING CLEANED UP. SUMMIT TRANSPORT DELIVERS FOR AMERADA HESS. AMERADA HESS WILL NOTIFY CUSTOMER OF BROKEN GUAGE.

Material:  
Site ID: 325208  
Operable Unit ID: 853211  
Operable Unit: 01  
Material ID: 520230  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 6  
Units: Gallons  
Recovered: 6  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

496  
 South  
 1/4-1/2  
 0.264 mi.  
 1394 ft.

**DOUGLAS HOUSES -NYCHA**  
**880 COLUMBUS AVENUE**  
**MANHATTAN, NY**

**NY LTANKS**    **1001756053**  
**NY Spills**    **N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**112 ft.**

Site ID: 147249  
 Spill Number/Closed Date: 9211297 / 12/31/1992  
 Spill Date: 12/31/1992  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)  
 Cleanup Ceased: 12/31/1992  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: HEALY  
 Referred To: Not reported  
 Reported to Dept: 12/31/1991  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/7/1993  
 Spill Record Last Update: 1/18/2006  
 Spiller Name: Not reported  
 Spiller Company: DOUGLAS I  
 Spiller Address: 880 COLUMBUS AVE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 203625  
 DEC Memo: Not reported  
 Remarks: VAULTS TO TANKS FILLED WITH OIL-SOIL AREA AROUND VENT CONTAMIANTED. WILL CLEAN SPILL - P/U, DISPOSE VIA WINSTON CONTRACTING

**Material:**

Site ID: 147249  
 Operable Unit ID: 975589  
 Operable Unit: 01  
 Material ID: 404708  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 100  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

Tank Test:

Site ID: 248026  
Spill Number/Closed Date: 9310832 / 8/16/1995  
Spill Date: 12/7/1993  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 8/16/1995  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: HEALY  
Referred To: Not reported  
Reported to Dept: 12/7/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/8/1993  
Spill Record Last Update: 1/18/2006  
Spiller Name: Not reported  
Spiller Company: NYC HOUSING  
Spiller Address: 250 BROADWAY  
Spiller City,St,Zip: NEW YORK CITY, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 203625  
DEC Memo: Not reported  
Remarks: DISCOVERED OIL IN EXCAVATION. SEE SPILL #8908134

Material:

Site ID: 248026  
Operable Unit ID: 992713  
Operable Unit: 01  
Material ID: 389900  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 248026  
Spill Tank Test: 1542268

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 228574  
Spill Number/Closed Date: 8908134 / 5/23/2008  
Spill Date: 11/15/1989  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: jkkann  
Referred To: Not reported  
Reported to Dept: 11/15/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/24/1989  
Spill Record Last Update: 5/23/2008  
Spiller Name: S. LOREFICE(CONTACT)  
Spiller Company: NYCHA  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 203625  
DEC Memo:

01/30/06: This spill transferred from J.Kolleeny to S.Kraszewski. Soil contamination found during the removal of one 33K tank in 1990. A Phase II report was conducted in 1993 to assess the extent of the contamination. Eight soil borings and five monitoring wells were installed. The greatest oil concentrations in soil were found around tank 001 and the boiler room wall. TPH ranged from ND to 48,000 ppm. Free product was found in MW-2 and a sheen noticed in MW-1, MW-4 and MW-5. Several VOCs detected but noe above guidance values. Phase II proposed additional MWs and a product recovery well. In 1995 a pneumatic system with 2 RWs was installed. Last update for the system was 2002 and it was on-line with no product in the RW. Need a site status update for the recovery system. - SK02/14/06: This spill closed to consolidate with open spill #9103651. - SK03/06/06: This spill reopened and has no connection with spill #9103651. - SK9/22/06: Spill transferred from Kraszewski to Kann.1/25/07 - J.Kann

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

- monitoring report submitted on 11/14. No product in wells. Will prepare a generic letter commenting on report format. A work plan is past due - Schedule D indicates it as December 2006. NYCHA was informed this in the letter of 1/5 which approved the submitted Schedule D.3/29/07 - J.Kann - WP submitted 3/23/07 and is under review. WP based on discussions with NYCHA at a March 13, 2007 meeting.7/31/07 - J. Kann - Work Plan approved on April 3, 2007. Work performed on site. Issue regarding current seepage into basement boiler room. NYCHA's consultant GF to arrange a site visit with DEC to determine what additional work is necessary.10/25/07 - J.Kann - requested a site visit from NYCHA based on their consultants findings. Walked through boiler room and found no evidence of seepage. Discussed preliminary results of field work conducted earlier this year. No floating product and minimal dissolved SVOCs found in upgradient wells. NYCHA will finalize report and submit to DEC for review.05/23/08 - J.Kann - based on review of Gannett Flemings report, minimal SVOC exceedences exist in soils at 8 ft bgs. Groundwater samples detected no VOCs and minor SVOC exceedences in two upgradient wells. Discussed site with Vadim and agreed on closure. NYCHA was sent an email.

Remarks: BAD TANK PUMPED OUT & LEFT IN GROUND FOR 10 YRS-TANK & CONTAMINATED SOIL TO BE REMOVED

Material:

Site ID: 228574  
Operable Unit ID: 935595  
Operable Unit: 01  
Material ID: 554636  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 228574  
Spill Tank Test: 1536410  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 147248  
Spill Number/Closed Date: 9109802 / 1/31/2006  
Spill Date: 12/13/1991  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SWKRASZE  
Referred To: Not reported  
Reported to Dept: 12/13/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/6/1992  
Spill Record Last Update: 1/31/2006  
Spiller Name: Not reported  
Spiller Company: NYCHA  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 203625  
DEC Memo: 01/18/06: This spill transferred from J.Kolleeny to S.Kraszewski.  
Call NYCHA for recovery system update. - SK01/31/06: This spill  
closed to consolidate with open spill #8908134. - SK  
Remarks: EXCAVATE, ISOLATE & REPAIR

Material:  
Site ID: 147248  
Operable Unit ID: 959828  
Operable Unit: 01  
Material ID: 418385  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 147248  
Spill Tank Test: 1539422  
Tank Number: 002  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

Last Modified: 10/1/2004  
Test Method: Unknown

**SPILLS:**

Facility ID: 9502319  
Facility Type: ER  
DER Facility ID: 203625  
Site ID: 248027  
DEC Region: 2  
Spill Date: 5/24/1995  
Spill Number/Closed Date: 9502319 / 8/16/1995  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: HEALY  
Referred To: Not reported  
Reported to Dept: 5/24/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Affected Persons  
Cleanup Ceased: 8/16/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/24/1995  
Spill Record Last Update: 1/18/2006  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: APPROX. 1000 GALLON TANK FOUND DURING GROUNDS WORK. TANK HAS 31 INCHES OF OIL AND WATER IN IT. WINSTON TO EMPTY AND CLEAN, TANK TO BE REMOVED BY GROUNDS CONTRACTOR.

**Material:**

Site ID: 248027  
Operable Unit ID: 1013378  
Operable Unit: 01  
Material ID: 367373  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**1001756053**

Tank Test:

**BA497**  
**South**  
**1/4-1/2**  
**0.276 mi.**  
**1458 ft.**

**ABOVE GROUND - TTF**  
**78 MANHATTEN AVE**  
**NEW YORK, NY**

**NY LTANKS** **S112810183**  
**N/A**

**Site 2 of 2 in cluster BA**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**111 ft.**

Site ID: 477358  
Spill Number/Closed Date: 1214137 / 4/15/2013  
Spill Date: 12/28/2012  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 12/28/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/28/2012  
Spill Record Last Update: 4/15/2013  
Spiller Name: APPROVED OIL MIKE MANISCALCO  
Spiller Company: UNKNOWN  
Spiller Address: 78 MANHATTEN AVE  
Spiller City,St,Zip: NEW YORK, NY 999  
Spiller Contact: APPROVED OIL MIKE MANISCALCO  
Spiller Phone: (718) -23-81050  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 432677  
DEC Memo: 1/3/13 A FrischeisenTTF letter sent and upped to eDocs.3/6/13 AFrischeisen internDonna from ABC Tank repair faxed report 2-27-13. Includes: Letter response detailing scope of work performed and avers "no evidence of soil contamination"; subsequent passing tank test. Uploaded to eDocs.4/15/13 TJD File review. 4K #6 FO UST failed tightness test on 12/28/12 - reported by PTC. Property owner had tank retested on 12/31/12 by A1-Crown Corp (Failed - Dry Leak). On 1/14/13,ABC Tank Repair and Lining Inc. was retained to pump and clean AST. On 1/7/13, ABC lifted tank, formerly in direct contact with concrete, and rolled tank to expose bottom. Between 1/8/13 & 1/11/13 ABC proceeded to repair (weld plates) to tank bottom, followed by an isolation test of tank (passed). On 1/16/13, ABC relocated tank onto saddles and reconnected the piping. As per letter report, ABC states no evidence of soil contamination was found during the work performed on this site. On 2/13/13, Brothers Professional

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABOVE GROUND - TTF (Continued)**

**S112810183**

Remarks: Tank Testing performed a system test which passed. No soil was excavated during remediation/investigation or repairs to the tank system. All required closure documentation has been received. No further action is required.  
above ground tank 4000 gallon tank - failed clean up pending

Material:

Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224399  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224400  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224389  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224398  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABOVE GROUND - TTF (Continued)**

**S112810183**

Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224390  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224395  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224391  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224392  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ABOVE GROUND - TTF (Continued)**

**S112810183**

Material ID: 2224393  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 477358  
Operable Unit ID: 1227167  
Operable Unit: 01  
Material ID: 2224394  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

498  
North  
1/4-1/2  
0.280 mi.  
1480 ft.

526 W 114TH ST  
526 W 114TH ST  
MANHATTAN, NY

NY LTANKS S102672156  
N/A

Relative:  
Higher

LTANKS:  
Site ID: 89304  
Spill Number/Closed Date: 9300892 / 4/19/1993  
Spill Date: 4/19/1993  
Spill Cause: Tank Overfill  
Spill Source: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)  
Cleanup Ceased: 4/19/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: CAMMISA  
Referred To: Not reported  
Reported to Dept: 4/19/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/21/1993  
Spill Record Last Update: 7/20/1993  
Spiller Name: Not reported

Actual:  
130 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**526 W 114TH ST (Continued)**

**S102672156**

Spiller Company: SAME  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NN  
 Spiller County: 999  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 81581  
 DEC Memo: Not reported  
 Remarks: SET TRUCK FOR 200 GALS. AT 180 GALS OIL CAME OUT VENT.DRIVER APPLIED SPEEDI-DRI.GAUGE STILL READS 1/4 TANK-V.A FAILED ALSO

Material:

Site ID: 89304  
 Operable Unit ID: 982643  
 Operable Unit: 01  
 Material ID: 401631  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**499**  
**SW**  
**1/4-1/2**  
**0.285 mi.**  
**1504 ft.**

**DOUGLASS II ADDITION -NYCHA**  
**868 AMSTERDAM AVENUE**  
**NEW YORK CITY, NY**

**NY LTANKS** **U000418244**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**101 ft.**

Site ID: 295716  
 Spill Number/Closed Date: 9007637 / 4/20/1995  
 Spill Date: 10/12/1990  
 Spill Cause: Tank Test Failure  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: 4/20/1995  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: HEALY  
 Referred To: Not reported  
 Reported to Dept: 10/12/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Remediation Phase: 0  
Date Entered In Computer: 10/31/1990  
Spill Record Last Update: 2/3/2006  
Spiller Name: Not reported  
Spiller Company: NYCHA  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 239307  
DEC Memo: Not reported  
Remarks: 10K TANK FAILED HORNER EZY WITH A GROSS LEAK, SUSPECT STICKLINE LEAK, PROBABLY WILL EXCAVATE, REPAIR & RETEST. SEE SPILL # 9103651

Material:

Site ID: 295716  
Operable Unit ID: 948281  
Operable Unit: 01  
Material ID: 431483  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 295716  
Spill Tank Test: 1537700  
Tank Number: 001  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 210650  
Spill Number/Closed Date: 9703182 / 8/15/1997  
Spill Date: 6/13/1997  
Spill Cause: Tank Overfill  
Spill Source: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: HEALY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Referred To: Not reported  
Reported to Dept: 6/13/1997  
CID: 369  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/13/1997  
Spill Record Last Update: 1/20/2006  
Spiller Name: Not reported  
Spiller Company: MYSTIC TRANSPORTATION  
Spiller Address: 1901 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY 11105-  
Spiller County: 001  
Spiller Contact: FRANK OCELLO  
Spiller Phone: (212) 306-3229  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 239307  
DEC Memo: Not reported  
Remarks: CLEANUP IN PROGRESS

**Material:**

Site ID: 210650  
Operable Unit ID: 1049189  
Operable Unit: 01  
Material ID: 336086  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 210651  
Spill Number/Closed Date: 9703190 / 6/16/1997  
Spill Date: 6/13/1997  
Spill Cause: Tank Overfill  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: HEALY  
Referred To: Not reported  
Reported to Dept: 6/13/1997  
CID: 257

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/13/1997  
Spill Record Last Update: 1/20/2006  
Spiller Name: Not reported  
Spiller Company: BURNSIDE (MYSTIC)  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: EDWARD MALONE  
Spiller Phone: (212) 306-8480  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 239307  
DEC Memo: Not reported  
Remarks: OVERFILLED TAN K CAME OUT FROM VENT

Material:

Site ID: 210651  
Operable Unit ID: 1045969  
Operable Unit: 01  
Material ID: 336095  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: 50  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 295717  
Spill Number/Closed Date: 9103651 / Not Reported  
Spill Date: 7/3/1991  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: jkkann  
Referred To: SSIR DUE 6/29/14  
Reported to Dept: 7/3/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 1  
Date Entered In Computer: 7/10/1991  
Spill Record Last Update: 12/29/2014  
Spiller Name: Not reported  
Spiller Company: NYCHA  
Spiller Address: 250 BROADWAY  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 239307  
DEC Memo: 01/20/06: This spill transferred from J.Kolleeny to S.Kraszewski. One 9.5K tank removed in 1998 and replaced by one 6K tank. No contamination discovered during excavation. According to documentation a site assessment was to be performed on 6/5/98 by DC-Environmental. Must contact NYCHA to find out if assessment was done. - SK09/01/06: DEC Lead for this spill changed from "unassigned" to S. Kraszewski. - J. Kolleeny02/09/07 - J.Kann - Spill reassigned from S.Kraszewski to J.Kann.3/10/11: J.Kann - Investigative work plan submitted on 3/3/11.11/13/14: J.Kann - emailed NYCHA on 8/14/14 requesting they try to locate the 1998 assessment. They responded on 9/25/14 indicating that they could not locate the assessment. Therefore, the SIWP was reviewed today and approved.12/29/14. J.Kann - Email sent to NYCHA today approving Work plan. SSIR due 6/29/14  
Remarks: 10K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK,WILL EXCAVATE, ISOLATE & RETEST.

Material:

Site ID: 295717  
Operable Unit ID: 957660  
Operable Unit: 01  
Material ID: 422782  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 295717  
Spill Tank Test: 1538729  
Tank Number: 001  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Test Method: Unknown

**SPILLS:**

Facility ID: 9911042  
Facility Type: ER  
DER Facility ID: 174642  
Site ID: 210652  
DEC Region: 2  
Spill Date: 12/17/1999  
Spill Number/Closed Date: 9911042 / 6/14/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: jkkann  
Referred To: Not reported  
Reported to Dept: 12/17/1999  
CID: 388  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/17/1999  
Spill Record Last Update: 6/14/2007  
Spiller Name: EDWARD MALONE  
Spiller Company: NY CITY HOUSING AUTHORITY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: EDWARD MALONE  
Contact Phone: (212) 306-8480  
DEC Memo: 11/28/05: This spill transferred from J.Kolleeny to S.Kraszewski.01/30/06: This spill transferred from S.Kraszewski to Q.Abidi.04/03/06: This spill transferred from Q. Abidi to Koon Tang.6/14/07 - Spill transferred to J. Kann on 1/23/07. NYCHA info says spill affected soil, however only two gallons spilled. NYCHA information indicates area cleaned and fill box repaired. Considering the small quantity of spill (2 gallons), the spill was closed. - J.Kann

Remarks: FITTING FROM FILL BOX CONNECTION WAS LEAKING WHILE OIL WAS BEING DELIVERED. 2 GALLON SPILL, 1 DRUM OF SOIL SHAVED AND CONTAINED.

**Material:**

Site ID: 210652  
Operable Unit ID: 1085811  
Operable Unit: 01  
Material ID: 296513  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLASS II ADDITION -NYCHA (Continued)**

**U000418244**

Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BC500  
NW  
1/4-1/2  
0.286 mi.  
1510 ft.**

**375 RIVERSIDE DRIVE  
375 RIVERSIDE DRIVE  
NEW YORK CITY, NY**

**NY LTANKS S100166545  
NY Spills N/A**

**Site 2 of 3 in cluster BC**

**Relative:  
Higher**

LTANKS:  
Site ID: 227753  
Spill Number/Closed Date: 8800754 / 12/29/1988  
Spill Date: 4/25/1988  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: 12/29/1988  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 4/25/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/25/1988  
Spill Record Last Update: 3/11/2003  
Spiller Name: Not reported  
Spiller Company: RASKIN,MATZA,COHEN(MGNT)  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 187947  
DEC Memo: Not reported  
Remarks: 10K TANK RUPTURED IN VAULT ROOM, SPILL CONTAINED IN ROOM, PETROLEUM TANK CLEANERS PERSONNEL AT SCENE.

**Actual:  
104 ft.**

Material:  
Site ID: 227753  
Operable Unit ID: 917749  
Operable Unit: 01  
Material ID: 459926  
Material Code: 0003A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**375 RIVERSIDE DRIVE (Continued)**

**S100166545**

Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1000  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 9212745  
Facility Type: ER  
DER Facility ID: 277011  
Site ID: 227754  
DEC Region: 2  
Spill Date: 2/11/1993  
Spill Number/Closed Date: 9212745 / 2/23/1998  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 2/11/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/18/1993  
Spill Record Last Update: 6/8/1998  
Spiller Name: RALPH DELLA CAVA  
Spiller Company: R.A. COHN MGMT  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG" TANK ROOM TIGHT, ONLY A LIGHT LAYER OF OIL ON WATER. ABC TANK PLAYS OUT. WATER/OIL WILL COME BACK ON TUESDAY TO POWER WASH, TANK ROOM. FURTHER ACTION TO BE DETERMINE REGARDING WATER PROBLEM IN TANK ROOM. - BEEPER # (212)866-4417  
  
Remarks: SPILL CONTAINED IN BASEMENT TANK ROOM-ABC ENROUTE FOR CLEANUP

**Material:**

Site ID: 227754  
Operable Unit ID: 979748  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**375 RIVERSIDE DRIVE (Continued)**

**S100166545**

Material ID: 402577  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0008290  
Facility Type: ER  
DER Facility ID: 116403  
Site ID: 135564  
DEC Region: 2  
Spill Date: 10/16/2000  
Spill Number/Closed Date: 0008290 / 3/14/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SACCACIO  
Referred To: Not reported  
Reported to Dept: 10/16/2000  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/16/2000  
Spill Record Last Update: 3/14/2003  
Spiller Name: JOHN EMMS  
Spiller Company: Not reported  
Spiller Address: 375 RIVERSIDE DR  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: JOHN EMMS  
Contact Phone: (201) 489-5100  
DEC Memo: Not reported  
Remarks: broken gauge which caused the spill - cleanup crew on the way

Material:

Site ID: 135564  
Operable Unit ID: 830629  
Operable Unit: 01  
Material ID: 545803  
Material Code: 0003A  
Material Name: #6 Fuel Oil

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**375 RIVERSIDE DRIVE (Continued)**

**S100166545**

Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**BC501  
 NW  
 1/4-1/2  
 0.286 mi.  
 1510 ft.**

**IN ROADWAY  
 IFO 375 RIVERSIDE DR  
 MANHATTAN, NY  
 Site 3 of 3 in cluster BC**

**NY LTANKS S105995999  
 N/A**

**Relative:  
 Higher**

LTANKS:

**Actual:  
 104 ft.**

Site ID: 101688  
 Spill Number/Closed Date: 0202367 / 9/25/2003  
 Spill Date: 6/4/2002  
 Spill Cause: Tank Overfill  
 Spill Source: Tank Truck  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: TJDEMEO  
 Referred To: Not reported  
 Reported to Dept: 6/4/2002  
 CID: 390  
 Water Affected: Not reported  
 Spill Notifier: Citizen  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/4/2002  
 Spill Record Last Update: 9/25/2003  
 Spiller Name: Not reported  
 Spiller Company: SUMMIT TRANSPORT CORP  
 Spiller Address: Not reported  
 Spiller City,St,Zip: PASSAIC, NJ  
 Spiller County: 001  
 Spiller Contact: UNK  
 Spiller Phone: (000) 000-0000  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 90095  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEMO"9/25/03 TJDSummit Transportation is RP. Demeo responded to site and directed RP to retain contractor to vacuum product and pressure wash street/sidewalk. Eastmond retained for cleanup. Additional impacts identified in tank room. Unknown volume of product exited tank manway and entered tank enclosure. Summit and their contractor were directed to open enclosure and remove product. Site was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IN ROADWAY (Continued)**

**S105995999**

Remarks: reinspected. All impacts both in/outside were remediated in accordance with DEC directives. RP did not submit closure documents. Spill administratively closed.  
caller reporting spill of fuel oil on sidewalk - oil company cleaning it up - not very well

Material:

Site ID: 101688  
Operable Unit ID: 855458  
Operable Unit: 01  
Material ID: 563000  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

502  
WNW  
1/4-1/2  
0.290 mi.  
1531 ft.

**SPILL NUMBER 0112005**  
**355 RIVERSIDE DRIVE**  
**MANHATTAN, NY**

**NY LTANKS S108057675**  
**NY Spills N/A**

Relative:  
Higher

LTANKS:

Actual:  
100 ft.

Site ID: 330640  
Spill Number/Closed Date: 0112005 / 12/5/2003  
Spill Date: 3/21/2002  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 3/21/2002  
CID: 396  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/21/2002  
Spill Record Last Update: 12/5/2003  
Spiller Name: Not reported  
Spiller Company: SAME  
Spiller Address: Not reported  
Spiller City, St, Zip: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0112005 (Continued)**

**S108057675**

Spiller County: 999  
Spiller Contact: NOLE  
Spiller Phone: (212) 749-0472  
Spiller Extension: Not reported  
DEC Region: 2  
DER Facility ID: 265960  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"12/5/03-Vought-Duplicate spill report. See open spill 0112002 at same location. This spill closed by Vought.

Remarks: tank is leaking into boiler room...al eastmans on site now doing clean up. believe that tank is an above ground tank.

Material:

Site ID: 330640  
Operable Unit ID: 848954  
Operable Unit: 01  
Material ID: 526019  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 300  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 0603169  
Facility Type: ER  
DER Facility ID: 265960  
Site ID: 365837  
DEC Region: 2  
Spill Date: 6/22/2006  
Spill Number/Closed Date: 0603169 / 6/22/2006  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 6/22/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/22/2006  
Spill Record Last Update: 6/22/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0112005 (Continued)**

**S108057675**

Spiller Name: BARRY  
Spiller Company: APRT  
Spiller Address: 355 RIVERSIDE DRIVE  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: BARRY  
Contact Phone: (212) 896-8641  
DEC Memo: 6/22/06 - Raphael Ketani. I called Mr. Joe Ostrowski of PTC (718) 624-4842. He said that the oil sprayed from the filter on the boiler. He added that the boiler got most of the oil and his men are there now and are cleaning it up. Some oil got onto the floor and his men are cleaning this oil, also. He said the floor doesn't have any cracks and no drains are affected. Mr. Ostrowski said that they should be done in 1/2 hour. Based upon this information, I am closing the case.  
Remarks: FILTER ON BURNER LEAKED CAUSING SPRAYING OUT ONTO CONCRETE FLOOR;

Material:  
Site ID: 365837  
Operable Unit ID: 1123808  
Operable Unit: 01  
Material ID: 2113285  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0112002  
Facility Type: ER  
DER Facility ID: 265960  
Site ID: 182654  
DEC Region: 2  
Spill Date: 3/21/2002  
Spill Number/Closed Date: 0112002 / 3/29/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: CESAWYER  
Referred To: Not reported  
Reported to Dept: 3/21/2002  
CID: 205  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0112005 (Continued)**

**S108057675**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/21/2002  
Spill Record Last Update: 3/29/2004  
Spiller Name: CALLER  
Spiller Company: JRD MANAGEMENT  
Spiller Address: 355 RIVERSIDE DR  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"1/5/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.3/29/04 - Sawyer - Talked to Noel Fitzgerald of JRD Management and he faxed a copy of the AL Eastmond receipt for the cleanup. Closed.

Remarks: spill in basement. no cleanup started.

Material:  
Site ID: 182654  
Operable Unit ID: 850811  
Operable Unit: 01  
Material ID: 526016  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

503  
WSW  
1/4-1/2  
0.295 mi.  
1560 ft.

308 W 104TH ST  
308 W 104TH ST  
MANHATTAN, NY

NY LTANKS S104504202  
NY Spills N/A

Relative:  
Higher

LTANKS:  
Site ID: 110111  
Spill Number/Closed Date: 0205926 / 11/21/2003  
Spill Date: 9/6/2002  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 9/8/2002  
CID: 390  
Water Affected: Not reported

Actual:  
110 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**308 W 104TH ST (Continued)**

**S104504202**

Spill Notifier: Citizen  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 9/8/2002  
Spill Record Last Update: 11/21/2003  
Spiller Name: DAVID ISANSTEIN  
Spiller Company: APARTMENT BLDG ...  
Spiller Address: 308 W 104TH ST  
Spiller City,St,Zip: MANHATTAN, ZZ  
Spiller County: 001  
Spiller Contact: DAVID ISANSTEIN  
Spiller Phone: (212) 582-9080  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 96538  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE" See also spills 9712384,9913364, 02076989/9/02 Called tenant numerous times and there was no one at the phone number, only an answering machine. I left two messages. The rental agent contacted the building superintendant. The super stated that a few gallons of oil spilled onto the floor on friday night when a nipple in the boiler failed, the oil was cleaned and the nipple replaced. The boiler is scheduled to be replaced Tuesday 9/10/02. A site visit is scheduled for Monday afternoon.9/17/02 Site visit revealed Eastman cleaning the boiler room which had a maximum of 15 to 20 gal oil floating on water. Carlos Arenas is the super,phone 212-663-0318. The boiler is being replaced beginning on the week of Sept. 16th. A temporary boiler will be placed outside the building while the work is being completed. A representative from the building will call when all work has been completed and all messes associated with the burner replacement are cleaned.10/25/2002 - Sangesland on "Desk Duty" received another spill report on smells from this basement. Spill # 0207698No call back name or phone number was provided.Sangesland spoke with Super's wife. She said a new tank was built in place on 10/23 & 10/24 and all the work is now finished. Building manager is David Eisientien at 212-582-9080.11/13/2002 spoke with mgnt. co. David E., he stated that the boiler replacement was completed, all of the residual oily stains were cleaned and DEC was welcome to stop by to inspect the final cleanup anytime.11/21/03 nfa  
Remarks: caller reporting oil tank failed and the landlord won't do anything to clean it up

Material:  
Site ID: 110111  
Operable Unit ID: 857517  
Operable Unit: 01  
Material ID: 516538  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**308 W 104TH ST (Continued)**

**S104504202**

Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 9712384  
Facility Type: ER  
DER Facility ID: 96538  
Site ID: 110112  
DEC Region: 2  
Spill Date: 2/5/1998  
Spill Number/Closed Date: 9712384 / 2/5/1998  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 2/5/1998  
CID: 252  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/5/1998  
Spill Record Last Update: 2/6/1998  
Spiller Name: ROCKY VENUTO  
Spiller Company: T AND S TRUCKING  
Spiller Address: 53 2ND AVE  
Spiller City,St,Zip: BROOKLYN, NY 11215-001  
Spiller Company: 001  
Contact Name: DAVID EISENSTEIN  
Contact Phone: (212) 663-0318  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT" CALLED CONTACT #-SPILL WAS CLEANED THIS MORNING.  
Remarks: DEFECTIVE GAUGE CAUSED SPILL ONTO PAVEMENT WHICH HAS BEEN CLEANEDUP.

**Material:**

Site ID: 110112  
Operable Unit ID: 1058707  
Operable Unit: 01  
Material ID: 326993  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: 15  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**308 W 104TH ST (Continued)**

**S104504202**

Tank Test:

Facility ID: 9913364  
Facility Type: ER  
DER Facility ID: 96538  
Site ID: 110113  
DEC Region: 2  
Spill Date: 2/25/2000  
Spill Number/Closed Date: 9913364 / 10/17/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 2/25/2000  
CID: 312  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/25/2000  
Spill Record Last Update: 10/17/2003  
Spiller Name: CALLER  
Spiller Company: T & S TRUCKING  
Spiller Address: 53 2ND AVENUE  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"11/02 Transferred from rommel to tipplessee spills 9712384,0207698, 020592610/17/03 tipple updating see also spill # 02-05926  
  
Remarks: FAULTY VENT ALARM - OIL BACKED UP ONTO THE SIDEWALK - CONTAINED - CLEAN UP CREW E/R TO THE SCENE

Material:

Site ID: 110113  
Operable Unit ID: 1091979  
Operable Unit: 01  
Material ID: 295218  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

308 W 104TH ST (Continued)

S104504202

Tank Test:

504  
NNE  
1/4-1/2  
0.303 mi.  
1601 ft.

ST LUKES HOSPITAL  
400 WEST 114TH ST  
MANHATTAN, NY

NY LTANKS S105230598  
N/A

Relative:  
Higher

LTANKS:

Actual:  
126 ft.

Site ID: 225135  
Spill Number/Closed Date: 0109481 / 3/10/2003  
Spill Date: 12/14/2001  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: EXROSSAN  
Referred To: Not reported  
Reported to Dept: 12/27/2001  
CID: 211  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/2001  
Spill Record Last Update: 3/10/2003  
Spiller Name: JOHN RAGUSO  
Spiller Company: ST LUKES HOSPITAL  
Spiller Address: 400 WEST 114TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: JOHN RAGUSO  
Spiller Phone: (212) 631-9000  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 185842  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROSSAN" Emteque Will Send Phase 2 Report For Review. Proposal To Remediate The Site Is Waiting Owner'S Approval.03/10/2003- Closed Due To The Nature / Extent Of The Spill Report.  
Remarks: caller states geo phase 2 probe showed contamination - caller recommends tank removal

Material:

Site ID: 225135  
Operable Unit ID: 847845  
Operable Unit: 01  
Material ID: 527140  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST LUKES HOSPITAL (Continued)**

**S105230598**

Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BD505  
NE  
1/4-1/2  
0.306 mi.  
1617 ft.**

**COLUMBIA UNIVERSITY  
44 MORNINGSIDE DR  
NEW YORK, NY 10025**

**RCRA-CESQG 1007112705  
NY LTANKS NYR000120212  
NY MANIFEST**

**Site 1 of 2 in cluster BD**

**Relative:  
Higher**

RCRA-CESQG:

Date form received by agency: 01/01/2007

Facility name: COLUMBIA UNIVERSITY

Facility address: 44 MORNINGSIDE DR  
NEW YORK, NY 100251719

EPA ID: NYR000120212

Mailing address: W 168TH ST MAILBOX #8 C/O EH&S  
NEW YORK, NY 10032

Contact: LAUREN KELLY

Contact address: W 168TH ST MAILBOX #8 C/O EH&S  
NEW YORK, NY 10032

Contact country: US

Contact telephone: (212) 854-4658

Contact email: LK2292@COLUMBIA.EDU

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: TRUSTEES OF COLUMBIA UNIVERSITY IN NYC

Owner/operator address: Not reported  
NY

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 08/01/2001

Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**1007112705**

Owner/operator name: TRUSTEES OF COLUMBIA UNIVERSITY IN NYC  
Owner/operator address: Not reported  
NY  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/01/2001  
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND  
Owner/operator address: Not reported  
NY  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 08/01/2001  
Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND  
Owner/operator address: Not reported  
NY  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 08/01/2001  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries  
Accumulated waste on-site: Not reported  
Generated waste on-site: Yes

Waste type: Lamps  
Accumulated waste on-site: Not reported  
Generated waste on-site: Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**1007112705**

Historical Generators:

Date form received by agency: 12/19/2006  
Site name: COLUMBIA UNIVERSITY  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D008  
. Waste name: LEAD

Date form received by agency: 12/18/2006  
Site name: COLUMBIA UNIVERSITY  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/27/2003  
Site name: COLUMBIA UNIVERSITY  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

LTANKS:

Site ID: 380797  
Spill Number/Closed Date: 0701313 / 5/2/2007  
Spill Date: 5/1/2007  
Spill Cause: Tank Failure  
Spill Source: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported

Cleanup Meets Standard: False

SWIS: 3101

Investigator: smsanges

Referred To: Not reported

Reported to Dept: 5/1/2007

CID: 408

Water Affected: Not reported

Spill Notifier: Local Agency

Last Inspection: Not reported

Recommended Penalty: False

UST Involvement: False

Remediation Phase: 0

Date Entered In Computer: 5/2/2007

Spill Record Last Update: 5/18/2007

Spiller Name: NANCY KRICORIAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**1007112705**

Spiller Company: UNKNOWN WHAT PROPERTY IS  
Spiller Address: 44 MORNINGSIDE DRIVE  
Spiller City,St,Zip: NEW YORK, NY 10025  
Spiller County: 001  
Spiller Contact: NANCY KRICORIAN  
Spiller Phone: (212) 749-8939  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 330219  
DEC Memo: Below is e-mail from Columbia University Rep for spill

event.\*\*\*\*\*

\*As promised, I am providing all requested documentation for spill#0701313 assigned to 404 West 115th St, New York, NY 10027 in an effort to close the spill. Columbia University has been the owner of the property in question since October 2002. Columbia University acquired the property as a vacant lot, which remained vacant until April 2007 when Columbia began sitework to repave the lot. During site work, our paving contractor, Yonkers Paving Concepts, unearthed a vaulted 3,000 gallon fuel oil tank. Columbia University had no knowledge of the presence of a UST on the site prior to or after purchase of the property. Subsequent to raising the tank from the ground on April 20, 2007, I performed a "dipstick" test of the tank which revealed that the tank contained residual product, which appeared to be #6 fuel oil. The tank was removed from the ground and repositioned on-site awaiting cleaning and removal. The tank pit/vault was visually inspected and did not show any evidence of oil staining and a visual inspection of the tanks exterior did not reveal any evidence of breaching. Columbia contracted with Clean Harbors Environmental Services (CHES) to perform the tank cleaning and prepare the tank for removal from the site as scrap metal. Pascap Co., Inc as a subcontractor to Yonkers paving Concepts. CHES was on-site May 1st and 2nd to complete the project. On May 1st, CHES removed approximately 1,200 gallons for product from the tank using a vacuum truck. It appears that a neighbor, seeing the CHES equipment and oil tank, was concerned that an oil spill had occurred and contact NYSDEC, but in fact no spill had occurred as confirmed in our telephone conversation on May 1st. As supported by the attached photos, any my repeated visual inspections of the exterior and interior integrity of the tank, which was also confirmed by CHES, all surfaces of the tank were intact and no release occurred. On May 2nd, CHES performed a tank entry and cleaned the interior walls of the tank, cut the tank into two sections and left the tank on-site for removal as scrap metal on May 3rd by Pascap Co., Inc. I have attached several photos of the project and contractor work tickets as evidence of the work that was completed. If you should have any questions or require additional information, please let me know. Please confirm receipt of this message and all attachments via email response. Thank you. Christopher Pettinato, MPH, CSP Director of Environmental Safety Programs Columbia University 500 West 120th St, MC 2215 S.W. Mudd Building, Suite 350 New York, NY 10027 ph: 212-854-0108 fax: 212-316-4937

Remarks: NOT YET CLEANED; UNSURE IF CONTAINED OR IF TANK IS FULLY REMOVED;

Material:  
Site ID: 380797  
Operable Unit ID: 1138271  
Operable Unit: 01  
Material ID: 2128254

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**1007112705**

Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

NY MANIFEST:

EPA ID: NYR000120212  
Country: USA  
Location Address 1: 44 MORNINGSIDE DR  
Location Address 2: Not reported  
Location City: NEW YORK  
Location State: NY  
Location Zip Code: 10025  
Location Zip Code 4: 1719

Mailing Info:

Name: COLUMBIA UNIVERSITY  
Contact: LAUREN KELLY  
Address: 500 W 120TH ST SUITE 350  
Address 2: MC2215  
City/State/Zip: NEW YORK, NY 10027  
Country: USA  
Phone: 212-305-6780

Manifest:

Document ID: MDC1011210  
Manifest Status: Not reported  
Trans1 State ID: Not reported  
Trans2 State ID: HWH438008  
Generator Ship Date: 01/15/2004  
Trans1 Recv Date: 01/15/2004  
Trans2 Recv Date: 01/19/2004  
TSD Site Recv Date: 01/19/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000120212  
Trans1 EPA ID: MAD039322250  
Trans2 EPA ID: Not reported  
TSD ID: MDD980555  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 01500  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2004

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BE506**  
**SSE**  
**1/4-1/2**  
**0.308 mi.**  
**1625 ft.**

**PARK FRONT APARTMENTS**  
**435 CENTRAL PARK WEST 103**  
**NEW YORK, NY 10025**

**NY LTANKS**    **S108299096**  
**N/A**

**Site 1 of 2 in cluster BE**

**Relative:**  
**Lower**

LTANKS:

Site ID: 374869  
 Spill Number/Closed Date: 0610429 / 5/23/2007  
 Spill Date: 12/14/2006  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**84 ft.**

Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: rvketani  
 Referred To: Not reported  
 Reported to Dept: 12/14/2006  
 CID: 410  
 Water Affected: Not reported  
 Spill Notifier: Fire Department  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0

Date Entered In Computer: 12/14/2006  
 Spill Record Last Update: 5/23/2007  
 Spiller Name: NYC FIRE HAZMAT  
 Spiller Company: EMPIRE FUEL OIL  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller County: 001  
 Spiller Contact: NYC FIRE HAZMAT  
 Spiller Phone: (347) 203-6886  
 Spiller Extention: CELL  
 DEC Region: 2  
 DER Facility ID: 324532  
 DEC Memo:

Ketani responded to the site - Oil spill to floor of a daycare center.12/14/06 - Raphael Ketani. Site has a 4750 gal. tank in service with #6 oil. The PBS case is #2-406473. From the PBS, the owner is listed as: Park Front Apartments, LLC, 360 Shore Road, Ste 1200, Long Beach, NY, 11561. Mail goes to: Park Front Apartments, LLC, 315 Central Park West, Ste 1200, NY, 10025.I got to the site at about 11:00AM due to traffic in midtown. There were ten pieces of FDNY fire equipment outside the building with about 40 firemen. The firemen had been the initial responders and had done a preliminary containment, and assesment. I initially met the battalion chief for the FDNY and the NYC DEP, Industrial Waste Div., person, and the assistant property manager. Other agency people showed up later. The firemen left shortly after I arrived. The full list of attending agency people is below:Mr. Okelly, Battalion Chief FDNYDennis Huacon, Spills Unit, Div. of Industrial Waste, NYC DEPMr. Brook Haberman, Asst. Manager, Park Front Apartments, LLC (212) 873-7575several people from Hazmat Div., NYC DEP (they just observed and were not involved in any way)Matthew Brown, Supervisor, the Central Park Conservancy, (347) 582-0595Compton Tucker, Inspector, Environmental Investigations, NYC DOH, (212) 442-3372Grace Cobb, Daycare Unit, NYC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARK FRONT APARTMENTS (Continued)**

**S108299096**

Dept. of Health & Mental Hygiene (718) 579-7775 Kathy Roemer, Director, Park West Montessori School, (212) 678-6072 (she was not present) Rene Louis, Supervisor, A. L. Eastmond & Sons, (718) 378-3000 - cleanup company I went to the basement through the back courtyard of the building via the back entrance from a side street to Central Park West. There was a childrens' outdoor play area with playground seats and other equipment. The back courtyard was covered with soft playground matting. The matting was getting oily and dirty from everyone walking back and forth from the daycare school, which was in the basement. Once inside I met Rene Louis (supervisor) of A. L. Eastmond & Sons (718) 378-3000. His company had been hired by Empire Fuel Oil (718) 573-4500 to do the remediation. His crew was busy cleaning up the site, bagging things, and moving things around. The scene was chaotic. There were pools of oil on the floor. The vapors were 4700 ppb, as measured by PID meter. Oil was dripping from the air ventilation ducting and the ceiling. Mr. Louis pointed out the fill pipe from which the oil had leaked. It was about 4 inches in diameter and passed over one corner of the daycare center through the ceiling. Mr. Louis said that the pipe had cracked during fueling and had poured oil into the air duct, which then ran outside the air duct, through the ceiling, behind the sheet rock and out onto the floor. Mr. Louis said that when they investigated the ducting, more oil poured out. So he put the total loss at 50 gals. Oil was on most of the floor and on many of the school belongings and personal belongings. Oil was dripping from the ceiling and the ducting onto the floor. I met Matthew Brown of the Central Park Conservancy. He was concerned about the 100th Street Pool in Central Park. He said that when it rains, the rain goes into the city storm sewers and then into the Pool. I told him that everything was contained in the school's main work/play area. I also told him that no drains were affected. Then I met Mr. Haberman. I explained to him and Mr. Louis what had to be done to remediate the site so that it would be safe for children. This included removal of all affected sheet rock, ceiling tiles, repair of the fill pipe, ripping up some floor tiles to see if the oil got underneath, cleaning of all concrete walls and floors that are affected, soil borings to see if the oil got below the floor, disposal of all oil contaminated materials and vapor contaminated materials (inside and outside of the school) and ventilation of all halls, rooms, and sealing of the school front door at the end of the building's internal hallway. Mr. Haberman and Mr. Louis said they understood. Mr. Haberman then showed Mr. Huacon and myself the tank room and boiler room. There were no signs of loose oil. Mr. Haberman said that the tank was now almost at full capacity. He said that most of the 3000 gal. fillup was successfully delivered. Mr. Tucker of NYC DOH then showed up and we visited apartments on the second floor and the third floor. Oil odors were slightly noticeable in the stairway that was near the school's front door and in the elevator. I told Mr. Haberman to get some kind of ventilation for these areas. He said he would. We went to apartment "2S." The vapors were 660 ppb in the hallway and 1130 ppb in the apartment, according to my PID. Mr. Tucker got a similar reading. Next, we went to apartment "3S." The vapors in the hallway were 375 ppb in the hallway and 155 ppb in the apartment. Mr. Tucker said that he will issue letters to the school, and the apartment building stating that the apartments, the building, and the school have to be ventilated. Lastly, we met Grace Cobb of the NYC Dept. of Health & Mental Hygiene. Mr. Haberman, Mr. Tucker, Mr. Huacon, and myself

**PARK FRONT APARTMENTS (Continued)**

**S108299096**

informed her about what had been going on and what needed to be done to clean up the site and ventilate all of the affected areas. After this I left to investigate a spill in the Bronx. 12/18/06 - Raphael Ketani. I spoke to Kathy Roemer (reemer), Director of the Park West Montessori School. I asked her what conditions were like now. She said that everything that was touched by the oil has been removed, except for the wall board. She said that Eastmond is taking down the walls now. I asked her about the concrete floor. She said that, except for the corner where the oil came in, there was no staining. I set up an appointment for wednesday, 12/20 at 11AM to see the facility. 12/20/06 - Raphael Ketani. I visited the site today and met Kathy Roemer (reemer), the director of the Park West Montessori School, Sinclair Haberman, the brother of Brook and owner of the school, and Eric Joseph, Inspector, Environmental Investigations, NYC DOH (in place of Mr. Tucker). We visited the room where the spill had taken place. The back door was open and the room was cold. Someone had set out 2 large (8 inch diameter) fragrance candles in the room (the type that don't need to burn). Due to the cold air with a breeze and the candles, meter readings were unreliable and inaccurate. The door was closed and the room was allowed to warm up a little from an outside temperature of about 42F to about 56F. Vapor readings were taken again and were about 1800 to 1900 ppb at about 3 feet above the floor (about the breathing zone for a 3 year old child). Vapor concentrations in the corner of the room where the spill happened were about 6500 ppb. Mr. Joseph was getting similar numbers with his older PPM PID. The brick wall under the oil pipe (5 inch pipe with coupling) was stained with the oil and higher PID readings were obtained at the wall. Stains were present where the oil pipe and the smaller 3 inch diameter pipe came through the wall, hinting that there was oil under the sidewalk also. The room had been stripped of its linoleum covering, students desks and belongings, some of the ceiling tiles, all of the sheet rock that was against the brick wall under the pipes, some of the bottom portions of the sheet rock in other places, and the ventilation ducts. Some wires hanging from the ceiling and some pipes which ran along the floor still were stained with oil. In the smaller adjacent room, the linoleum had been stripped from the floor and the students desks, furniture and belongings were gone. However, this room never had any free oil. It was simply contaminated by oil being tracked in on the shoes of the firemen who responded to the spill. I took 6 pictures of the large room and one of the smaller room. I then had a discussion with Sinclair Haberman and described what needed to be done to at least reduce, if not eliminate, the oil vapors. I told him that the stained brick wall, and in places the floor, needed to have an epoxy sealant applied. He agreed to have this done and called up his assistants to let them know what they needed to do. He also told me and his assistants that a vapor barrier with insulation would be installed and then sheet rock. Next, we entered the hallway outside the school's office and the vapors were 1200 ppb. However, this reading was not of oil vapors, but was the result of the floor cleaning products being used, which smelled like a lemon cleaner. Brook Haberman joined us at this point. Next, we went to the second and third floors. We couldn't get into the apartments, but the hallway vapor concentrations were 208 ppb and 224 ppb in the second and third floor hallways, respectively. We then went down to the school office and finished our discussion regarding what needed to happen and what the NYC DOH and the NYS DEC would do next. Mr. Joseph said that he still couldn't

**PARK FRONT APARTMENTS (Continued)**

**S108299096**

allow the children to return to either affected room as the vapors were too high. I told everyone that the DEC would be back sometime after the installation of the epoxy sealant and the vapor barrier to check the vapor concentrations. Mr. Joseph said that he would be back, too. Then the site visit ended. When I got back to my office, I called Rene Louis of Eastmond. I asked him whether the brick wall could be powerwashed more to get rid of more of the oil. He said his crew tried, but they could not get more of the oil out. I asked him who was going to replace the broken oil pipe. He said that Brook Haberman told him a plumber would break up the sidewalk and replace the oil pipe and any oil stained copper pipes in the classroom. I tried to find out who the plumber was by calling Brook Haberman, but he wasn't in. So, I left a message for him to call me back. Brook Haberman called me back and said that H H G Plumbing will replace the fuel line. I told him that the section of the pipe under the sidewalk would have to be replaced as I saw stains where the pipes pass through the wall suggesting that the oil had leaked into the soil under the sidewalk. He said that the firemen told him they saw a crack in the fuel pipe where it was exposed in the ceiling and so only this portion of the pipe will be replaced. I told him that some of the copper pipes running along the floor still had oil on them and to have someone clean the pipes with a rag and LESTOIL to get rid of the oil. He said he would have someone from his staff do this. 1/5/07 - Raphael Ketani. I made a scheduled site visit today at the day care center/school. This was an appointment that I set up with Kathy Roemer, Director of the school. I also met Brook Haberman, Asst. Manager Park Front Apartments, and, Compton Tucker of the NYC DOH. Mr. Tucker said that he had already done air surveys of the affected rooms and apartment 2S above. He said that the vapor concentrations were low enough in the rooms (despite the vapors from the fresh paint on the walls of the two rooms) that the children could be allowed back in to use them. He also said that he had no vapor detections in apartment 2S. I entered the rooms and sensed a moderate odor of fresh paint. The two rooms had been completely restored, but were bare of furniture, wall decorations and poster boards, children's belongings, etc. There was new sheet rock and ceiling tiles. The closets had been rebuilt. Mr. Haberman told me that cleaning the pipe that were contaminated with oil was too time consuming. So he had the plumber replace the fuel pipe. The rooms were in fresh, pristine condition and were fully ready to be put back into use. The paint vapors were about 250 to 320 parts per billion in concentration. Closet vapor concentrations were a little higher. Mr. Haberman and Ms. Roemer both said that they will air out the rooms before letting the children in. I told Mr. Haberman that all I needed to close the case was a letter report from A. L. Eastmond stating what they did to clean up the site with disposal manifests and an invoice and paid bill from the plumber who replaced the pipe, or an official letter from the school stating the specifics about the work done by the plumber. Mr. Haberman said that he will get these documents for me. 2/23/07 - Raphael Ketani. I spoke to Mr. Brooke Haberman regarding the documentation that I needed to close the spill case. He said that he had the paid bills from the plumber and could send me copies. I also asked him for the manifests from Eastmond. He said that he will call Eastmond to get them and then send me copies. 5/9/07 - Raphael Ketani. I spoke to Isaac of Eastmond regarding the closing paperwork for the site. He said that everything is finished and that Rene is working on the paperwork. 5/11/07 - Raphael Ketani. Mr. Haberman called to say that

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARK FRONT APARTMENTS (Continued)**

**S108299096**

he had all of the manifests for the material that Eastmond removed, a letter from the plumber stating the work that he did to replace the piping and a cover letter explaining what was done to clean up the site.5/23/07 - Raphael Ketani. Dr. Kathy Roemer of the Park West Montessori School sent me a cover letter with a manifest for the oil contaminated material that was removed and a letter from the plumber who replaced the piping. Dr. Roemer asked that the DEC issue and NFA.I wrote the draft NFA and submitted it to Randall Austin, Chief Spill Prevention and Response Unit for approval.Mr. Austin approved the NFA letter and it was sent out today.Based upon the waste manifest, the letter from the plumber, the 1/5/07 site visit by Compton Tucker of NYC DOH approving the reoccupation of the school by the children, and my own site visit on 1/5/07 whereby I saw that the affected rooms had been completely cleaned up and rebuilt inside, I am closing the spill case.

Remarks:

SPILL IS IN BASEMENT OF MULT. DWELLING, FIRST FLOOR HAS A DAYCARE, THE REST OF THE FLOORS ARE APARTMENTS: FIRE DEPT IS ON SCENE EMPIRE FULE IN ROUTE FOR CLEANUP THEY ARE THE RESPONSIBLE PARTY: CALLER WILL UPDATE SPILLER INFO WHEN AVAILABLE: SECONDARY CALL FROM NYC FIRE HAZMAT, EMPIRE FUEL HAS SUBCONTRACTED EASTMOND TO CLEANUP SPILL' SUPERVISOR RENEE LOUISE 718-378-7000 TRUCK # 2A-451

Material:

Site ID: 374869  
Operable Unit ID: 1132522  
Operable Unit: 01  
Material ID: 2122296  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BE507**  
**SSE**  
**1/4-1/2**  
**0.315 mi.**  
**1664 ft.**

**17 W. 103RD ST**  
**17 WEST 103RD ST**  
**MANHATTAN, NY**  
**Site 2 of 2 in cluster BE**

**NY LTANKS** **S104621184**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

Site ID: 283654  
Spill Number/Closed Date: 0003817 / 7/12/2000  
Spill Date: 6/28/2000  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101

**Actual:**  
**87 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

17 W. 103RD ST (Continued)

S104621184

Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 6/28/2000  
CID: 270  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/28/2000  
Spill Record Last Update: 6/29/2006  
Spiller Name: MARY  
Spiller Company: BARUCH SINGER  
Spiller Address: 95 DELANSIE ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: CALLER  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 230072  
DEC Memo: Not reported  
Remarks: TANK OVERFILL DUE TO A BAD GUAGE. ALL CLEANED UP

Material:

Site ID: 283654  
Operable Unit ID: 825088  
Operable Unit: 01  
Material ID: 548570  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: 15  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

508  
NNW  
1/4-1/2  
0.315 mi.  
1664 ft.

APT BUILDING - TTF  
395 RIVERSIDE DRIVE  
MANHATTAN, NY

NY LTANKS S112231214  
N/A

Relative:  
Higher

LTANKS:

Site ID: 468807  
Spill Number/Closed Date: 1205835 / Not Reported  
Spill Date: 9/13/2012  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
105 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BUILDING - TTF (Continued)**

**S112231214**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDMEEO  
Referred To: Not reported  
Reported to Dept: 9/12/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 1  
Date Entered In Computer: 9/12/2012  
Spill Record Last Update: 12/19/2012  
Spiller Name: Not reported  
Spiller Company: APT BUILDING  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: ROB PATRICK  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 423091  
DEC Memo: 9/21/12 TJD TTF letter sent (on E-DOCS) and e-mailed  
(arexhepi@bluewoodsmgmt.com). 12/19/12 AFrischeisen intern TTF letter  
resent hard copy. Reupped to eDocs  
Remarks: 7500 gal agt in basement/small hole in tank bottom

Material:  
Site ID: 468807  
Operable Unit ID: 1218721  
Operable Unit: 01  
Material ID: 2217134  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BF509**  
**SW**  
**1/4-1/2**  
**0.323 mi.**  
**1706 ft.**

**SPILL NUMBER 0106495**  
**2680 BROADWAY**  
**MANHATTAN, NY**  
**Site 1 of 3 in cluster BF**

**NY LTANKS** **S102234431**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

LTANKS:

Site ID: 228862  
 Spill Number/Closed Date: 9511590 / 12/13/1995  
 Spill Date: 12/13/1995  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**97 ft.**

Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: KSTANG  
 Referred To: Not reported  
 Reported to Dept: 12/13/1995  
 CID: 199  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/13/1995  
 Spill Record Last Update: 1/4/1996  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller County: 001  
 Spiller Contact: DAVID (SUPV)  
 Spiller Phone: (212) 222-9197  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 188699  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

Remarks: customer order more fuel than he could hold as vendor was pumping fuel he didn't realize it was too much till it started to come out vent pipe - all fuel was dumped onto sidewalk which was cleaned up

Material:

Site ID: 228862  
 Operable Unit ID: 1022256  
 Operable Unit: 01  
 Material ID: 553714  
 Material Code: 0002A  
 Material Name: #4 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 4  
 Units: Gallons  
 Recovered: 4  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0106495 (Continued)**

**S102234431**

Tank Test:

**SPILLS:**

Facility ID: 0106495  
Facility Type: ER  
DER Facility ID: 188699  
Site ID: 228859  
DEC Region: 2  
Spill Date: 9/21/2001  
Spill Number/Closed Date: 0106495 / 10/2/2001  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 9/21/2001  
CID: 205  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/21/2001  
Spill Record Last Update: 10/2/2001  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"10/02 CALLER STATED THAT HE SAW THE ANTIFREEZE LEAKING FROM A CAR/ CAR NO LONGER THERE

Remarks: caller has a crew in area that saw the spill.

**Material:**

Site ID: 228859  
Operable Unit ID: 843411  
Operable Unit: 01  
Material ID: 531346  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0106495 (Continued)**

**S102234431**

Tank Test:

Facility ID: 9310803  
Facility Type: ER  
DER Facility ID: 188699  
Site ID: 228861  
DEC Region: 2  
Spill Date: 12/6/1993  
Spill Number/Closed Date: 9310803 / 11/29/1994  
Spill Cause: Human Error  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 12/6/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 11/29/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/7/1993  
Spill Record Last Update: 11/29/1994  
Spiller Name: Not reported  
Spiller Company: UNK OWNER  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: CAP LEFT OFF TANK TOP IN BASEMENT - CONTAINED IN BOILER ROOM PIT - AL  
EASTMOND IS AT SITE FOR CLEAN UP (718) 370-3000 "DOUG".

Material:

Site ID: 228861  
Operable Unit ID: 992687  
Operable Unit: 01  
Material ID: 389873  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 800  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0106495 (Continued)**

**S102234431**

Facility ID: 9810475  
Facility Type: ER  
DER Facility ID: 277273  
Site ID: 228863  
DEC Region: 2  
Spill Date: 11/19/1998  
Spill Number/Closed Date: 9810475 / 11/19/1998  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 11/19/1998  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/19/1998  
Spill Record Last Update: 12/17/1998  
Spiller Name: BILL SIMPSON  
Spiller Company: MIBO TRUCKING  
Spiller Address: 321 MANIDA STREET  
Spiller City,St,Zip: BRONX, NY 10474-  
Spiller Company: 001  
Contact Name: BILL SIMPSON  
Contact Phone: (718) 860-1810  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"  
  
Remarks: broken gauge - spill is on sidewalk and cleanup crew is on the way

Material:  
Site ID: 228863  
Operable Unit ID: 1067725  
Operable Unit: 01  
Material ID: 314347  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

510  
ENE  
1/4-1/2  
0.326 mi.  
1723 ft.

2105 8TH AVENUE  
2105 8TH AVENUE  
MANHATTAN, NY

NY LTANKS S102142809  
NY Spills N/A

Relative:  
Lower

LTANKS:

Actual:  
41 ft.

Site ID: 319982  
 Spill Number/Closed Date: 9400924 / 4/19/1994  
 Spill Date: 4/19/1994  
 Spill Cause: Tank Overfill  
 Spill Source: Private Dwelling  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: 4/19/1994  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: KSTANG  
 Referred To: Not reported  
 Reported to Dept: 4/19/1994  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Affected Persons  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/29/1994  
 Spill Record Last Update: 9/30/2004  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 257800  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"  
 Remarks: OIL RUNS OUT VENT & INTO STORE FRONT. (CALLER) STRONG ORDER IN BLDG.EDDY OF SHAFFIELD OIL COMPANY SAID THAT HE WILL SEND SOMEONE TO CLEAN UP THE OIL.

Material:

Site ID: 319982  
 Operable Unit ID: 994647  
 Operable Unit: 01  
 Material ID: 564386  
 Material Code: 0002A  
 Material Name: #4 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**2105 8TH AVENUE (Continued)**

**S102142809**

Tank Test:

SPILLS:

Facility ID: 9201342  
Facility Type: ER  
DER Facility ID: 67382  
Site ID: 71121  
DEC Region: 2  
Spill Date: 5/4/1992  
Spill Number/Closed Date: 9201342 / 2/5/1998  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 5/4/1992  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/6/1992  
Spill Record Last Update: 10/28/2002  
Spiller Name: Not reported  
Spiller Company: AL MAR FUEL OIL CORP  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

Remarks: OIL DELIV. DRIVER OVERFILLED TANK-OIL CAME OUT VENT TO SIDE OF BUILDING AND WINDOWS APPLIED SPEEDI-DRI APPLIEDAND LEFT WITHOUT A WORD TO ANYBODY- ON GOING PROBLEM

Material:

Site ID: 71121  
Operable Unit ID: 968717  
Operable Unit: 01  
Material ID: 412666  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

2105 8TH AVENUE (Continued)

S102142809

Tank Test:

BF511  
WSW  
1/4-1/2  
0.330 mi.  
1744 ft.

SPILL NUMBER 9801045  
235 WEST 102ND ST  
MANHATTAN, NY

NY LTANKS S104619499  
N/A

Site 2 of 3 in cluster BF

Relative:  
Higher

LTANKS:

Actual:  
98 ft.

Site ID: 323359  
Spill Number/Closed Date: 9801045 / 4/23/1998  
Spill Date: 4/23/1998  
Spill Cause: Tank Overfill  
Spill Source: Tank Truck  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 4/23/1998  
CID: 351  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/23/1998  
Spill Record Last Update: 5/22/1998  
Spiller Name: Not reported  
Spiller Company: MYSTIC  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: SANDY GERCIA  
Spiller Phone: (718) 932-9075  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 260486  
DEC Memo: Not reported  
Remarks: CLEAN UP IN PROCESS

Material:

Site ID: 323359  
Operable Unit ID: 1061818  
Operable Unit: 01  
Material ID: 322988  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 9801045 (Continued)**

**S104619499**

Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BF512**  
**WSW**  
**1/4-1/2**  
**0.338 mi.**  
**1786 ft.**

**248 W. 102ND ST**  
**248 W. 102ND ST**  
**MANHATTAN, NY**  
**Site 3 of 3 in cluster BF**

**NY LTANKS** **S107489115**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**98 ft.**

Site ID: 355467  
Spill Number/Closed Date: 0509660 / 12/6/2005  
Spill Date: 11/11/2005  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 11/11/2005  
CID: 41  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/11/2005  
Spill Record Last Update: 11/21/2006  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 305491  
DEC Memo: Need to send ttf letterno PBS because the tank is a 1080 need to find addressNov. 25, 2005A "Tank Test Failure Letter" was sent to:250 Associates L.P.Ronald Cherney151 East 81st StreetNew York, NY 1002812/06/05-Sharif//NY City Tank Testing Inc. broke open cement vault in center of the tank. Replaced/refitted all necessary fittings, retested and it passed.  
Remarks: 1080 GALLON TANK - ABOVE LIQUID LEAK

Material:

Site ID: 355467  
Operable Unit ID: 1112827

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**248 W. 102ND ST (Continued)**

**S107489115**

Operable Unit: 01  
Material ID: 2102868  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**513**  
**ESE**  
**1/4-1/2**  
**0.344 mi.**  
**1815 ft.**

**225 WEST 110TH STREET**  
**225 WEST 110TH STREET**  
**NEW YORK, NY**

**NY LTANKS S103479755**  
**N/A**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**39 ft.**

Site ID: 148090  
Spill Number/Closed Date: 9808267 / 10/8/1998  
Spill Date: 10/5/1998  
Spill Cause: Tank Overfill  
Spill Source: Non Major Facility > 1,100 gal  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 10/5/1998  
CID: 282  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 10/5/1998  
Spill Record Last Update: 10/8/1998  
Spiller Name: DENNIS FARLEY  
Spiller Company: MYSTIC TRANSPORTATION  
Spiller Address: 1901 STEINWAY AVE  
Spiller City,St,Zip: ASTORIA, NY 11105-001  
Spiller County:  
Spiller Contact: JAMES MCKELVIN  
Spiller Phone: (212) 993-9060  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 126062  
DEC Memo: Not reported  
Remarks: gauge failed on tank at the location.spill is in the process of being cleaned up.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**225 WEST 110TH STREET (Continued)**

**S103479755**

Material:

Site ID: 148090  
Operable Unit ID: 1065752  
Operable Unit: 01  
Material ID: 315786  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BD514  
NE  
1/4-1/2  
0.345 mi.  
1822 ft.**

**APT. BUILDING  
54 MORNINGSIDE DRIVE  
NEW YORK CITY, NY**

**NY LTANKS S109208843  
N/A**

**Site 2 of 2 in cluster BD**

**Relative:  
Higher**

LTANKS:

**Actual:  
122 ft.**

Site ID: 401857  
Spill Number/Closed Date: 0804868 / 4/28/2009  
Spill Date: 7/28/2008  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MXAJOKU  
Referred To: Not reported  
Reported to Dept: 7/28/2008  
CID: 408  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/28/2008  
Spill Record Last Update: 4/29/2009  
Spiller Name: Not reported  
Spiller Company: APT. BUILDING  
Spiller Address: 54 MORNINGSIDE DRIVE  
Spiller City,St,Zip: NEW YORK CITY, NY  
Spiller County: 001  
Spiller Contact: MARLIN JOSEPH  
Spiller Phone: (718) 624-4842  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 351067

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT. BUILDING (Continued)**

**S109208843**

DEC Memo: TTF letter sent - see eDocs8/18/08: DEC is in receipt of letter from Eva Matos related to TTF. Consultant to the property owner also provided sketchy information in the letter about the current status of the tank. August 13, 2008 oil tank was cleaned and isolated, the tank only that was tested passed while fill line and vent line failed. Repair work to start soon. (MA)09/02/08: Spoke w/ Eva Matos from Buchbinder & Warren and Dianna Parker from Pretroleum Tank Cleaners with respect to the TTT and all other associated work. Eva Matos confirmed from Dianna Parker that results of TT will be sent to DEC on 09/12/08. (MA) 04/27/09: Eva Matos called to find out status of the spill and PBS cases associated with the facility, following recent faxed documents dated Aug. 14, 2008 and Sept. 19, 2008 respectively. The documents narrate causes of TTF and work order activities carried out by PTC, however the documents failed to provide information related to the soil condition along the fuel and vent lines. I requested Eva Matos to furnish me with detail info. regarding soil condition. Detail of the document can be foud in eDocs. (MA) 04/28/09: PTC representative (Mark Salamack) on behalf of the property owner faxed one page report dated April 28, 2009 related to soil condition around the fuel and vent line. Based on documents submitted with respect to this site, the spill case is hereby close, see eDocs for details. (MA)

Remarks: DRY PORTION LEAK;

Material:  
Site ID: 401857  
Operable Unit ID: 1158632  
Operable Unit: 01  
Material ID: 2149709  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 401857  
Spill Tank Test: 2486563  
Tank Number: 1  
Tank Size: 4000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 7/28/2008  
Test Method: Horner EZ Check I or II

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BG515**  
**NNW**  
**1/4-1/2**  
**0.348 mi.**  
**1839 ft.**

**COLUMBIA UNIVERSITY**  
**612 WEST 114TH ST**  
**MANHATTAN, NY**  
**Site 1 of 2 in cluster BG**

**NY LTANKS** **S104496017**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**122 ft.**

Site ID: 190391  
Spill Number/Closed Date: 0107290 / 2/19/2003  
Spill Date: 10/15/2001  
Spill Cause: Tank Overfill  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: WARNER  
Referred To: Not reported  
Reported to Dept: 10/16/2001  
CID: 211  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 10/16/2001  
Spill Record Last Update: 5/2/2003  
Spiller Name: SAME  
Spiller Company: COLUMBIA UNIVERSITY  
Spiller Address: 500 W 120TH ST  
Spiller City,St,Zip: MANHATTAN, NY 10032-001  
Spiller County: 001  
Spiller Contact: FREDERICK CAPUTO  
Spiller Phone: (718) 946-4000  
Spiller Extention: 235  
DEC Region: 2  
DER Facility ID: 158818  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "WARNER"02/19/2003-Closed Due To The Nature / Extent Of The Spill Report.

Remarks: caller states oil powered hot water tanks are not being used anymore and states driver went there and put regular amount for delivery and overfilled tank - spill cleaned up

Material:

Site ID: 190391  
Operable Unit ID: 845476  
Operable Unit: 01  
Material ID: 532113  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: 15  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**S104496017**

Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 9500448  
Facility Type: ER  
DER Facility ID: 197826  
Site ID: 240547  
DEC Region: 2  
Spill Date: 4/11/1995  
Spill Number/Closed Date: 9500448 / 2/11/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 4/11/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/9/1995  
Spill Record Last Update: 2/11/2003  
Spiller Name: Not reported  
Spiller Company: METRO FUEL  
Spiller Address: 500 KINGSLAND AVENUE  
Spiller City,St,Zip: BROOKLYN, NY 11222  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: VENT PROBLEM

**Material:**

Site ID: 240547  
Operable Unit ID: 1011213  
Operable Unit: 01  
Material ID: 369065  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**S104496017**

Tank Test:

**BG516**  
**NNW**  
**1/4-1/2**  
**0.354 mi.**  
**1871 ft.**

**619 WEST 114TH ST.**  
**619 WEST 114TH STREET.**  
**MANHATTAN, NY**

**NY LTANKS** **S100782211**  
**NY Spills** **N/A**

**Site 2 of 2 in cluster BG**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**121 ft.**

Site ID: 181265  
Spill Number/Closed Date: 9310922 / 12/14/1993  
Spill Date: 12/6/1993  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 12/14/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 12/8/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/9/1993  
Spill Record Last Update: 12/16/1993  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 152015  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SULLIVAN/TIBBE"

Remarks: LINE IS BEING REPAIRED - TEST WAS DONE BY PETROLEUM TANK CLEANERS - (718)624-4842. SPOKE WITH VIRGINIA CONNOR, 1 GAL OF OIL MIGRATED INTO BASEMENT - NOV 30 LINE TO BE EXCAVATED AND REPAIRED. WILL TRY

Material:

Site ID: 181265  
Operable Unit ID: 989601  
Operable Unit: 01  
Material ID: 389984  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

619 WEST 114TH ST. (Continued)

S100782211

Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 181265  
Spill Tank Test: 1542278  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

SPILLS:

Facility ID: 0204250  
Facility Type: ER  
DER Facility ID: 152015  
Site ID: 177743  
DEC Region: 2  
Spill Date: 7/23/2002  
Spill Number/Closed Date: 0204250 / 11/6/2014  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SXMAHAT  
Referred To: Not reported  
Reported to Dept: 7/23/2002  
CID: 390  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/23/2002  
Spill Record Last Update: 11/6/2014  
Spiller Name: GUS  
Spiller Company: ST HILDA/ST HUGHES H.S.  
Spiller Address: 619 W 114TH ST  
Spiller City,St,Zip: MANHATTAN, ZZ  
Spiller Company: 001  
Contact Name: GUS  
Contact Phone: (212) 932-1980  
DEC Memo: 12/30/05 - A letter was sent to the property owner requesting all available information regarding steps taken to address the spill case (J. Moras).Prior to Sept, 2004 data translation this spill Lead\_DEC

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**619 WEST 114TH ST. (Continued)**

**S100782211**

Field was "SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.Austin - 9/30/09 - Spill project assignment transferred from Albany staff("JAMORAS") to Rahman, for further review and action. - end5/30/14 - Austin - Spill transferred from Rahman to Mahat for followup by contacting the school to determine if there have been any issues regarding pet. vapor problems in the school - If not, close out spill - end11/5/14: Mahat T/C : DEC Mahat contacted Paul ( Facility Management ) and inquiry about the mechanical room on the school. He mentioned that there is no vapor issue in the building. He also mentioned that everything is copasetic. Hence, the spill case will be closed in the database. No further action is required as per remediation. \*\*\*\*\* Spill C1053 \*\*\*\*\*

Remarks: during tank excavation - contaminated soil was discovered

Material:

Site ID: 177743  
 Operable Unit ID: 857039  
 Operable Unit: 01  
 Material ID: 518508  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

517  
 NE  
 1/4-1/2  
 0.360 mi.  
 1900 ft.

**APARTMENT HOUSE  
 370 MANHATTAN AVE  
 NEW YORK, NY**

**NY LTANKS S106703041  
 N/A**

Relative:  
 Lower

LTANKS:

Site ID: 126017  
 Spill Number/Closed Date: 9910474 / 8/22/2003  
 Spill Date: 12/2/1999  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: RWAUSTIN  
 Referred To: Not reported  
 Reported to Dept: 12/2/1999  
 CID: 371  
 Water Affected: Not reported  
 Spill Notifier: Other  
 Last Inspection: Not reported  
 Recommended Penalty: False

Actual:  
 37 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

APARTMENT HOUSE (Continued)

S106703041

UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/2/1999  
Spill Record Last Update: 8/22/2003  
Spiller Name: Not reported  
Spiller Company: BRIDGE TRANSPORT  
Spiller Address: 176 27TH ST  
Spiller City,St,Zip: BROOKLYN, NY 11322-001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 108979  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"12/2/9912:57 Spoke to Bill Jebaily, who hired Petroleum Tank Cleaners (Isaac) to clean up. The spill was limited to the concrete in front of the apt building. It did not get onto any soil or into any drains. It was 6 oil, and in this cold, it didn't spread out. They checked the tank in the basement and no oil was spilled there.  
8/22/03 - DUE TO ABOVE NARRATIVE AND NATURE OF EVENT, SPILL CLOSED IN DATABASE - ORIG. ASSIGNED TO ROMMEL  
Remarks: superintendant ordered too much - - tank overfilled -- spill on pavement and is being cleaned up.

Material:  
Site ID: 126017  
Operable Unit ID: 1085244  
Operable Unit: 01  
Material ID: 295957  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 6  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

518  
East  
1/4-1/2  
0.362 mi.  
1910 ft.

233 WEST 112TH ST  
233 WEST 112TH ST  
NEW YORK, NY

NY LTANKS S102233250  
N/A

Relative:  
Lower

LTANKS:  
Site ID: 306209  
Spill Number/Closed Date: 9511046 / 11/22/1996  
Spill Date: 12/2/1995  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
38 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**233 WEST 112TH ST (Continued)**

**S102233250**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: GUTIERREZ  
Referred To: Not reported  
Reported to Dept: 12/2/1995  
CID: 233  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/2/1995  
Spill Record Last Update: 1/26/1998  
Spiller Name: Not reported  
Spiller Company: NYC HPD  
Spiller Address: 233 WEST 112TH ST  
Spiller City,St,Zip: NEW YORK, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 247335  
DEC Memo: Not reported  
Remarks: TANK FAILED TANK HAS A TOTAL CAPACITY OF 275 GALONS UNKNOWN HOW MUCH OIL HAS SPILLED TANK WAS PLUGED BY FIRE DEPT FD CALLED AT 19-30 TO SAY THAT THE SPILL WAS NO MORE THEN 10 GALS

Material:  
Site ID: 306209  
Operable Unit ID: 1025381  
Operable Unit: 01  
Material ID: 358398  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**519**  
**East**  
**1/4-1/2**  
**0.366 mi.**  
**1933 ft.**

**RANDOLPH HOUSES**  
**220/228/240 W. 114TH ST**  
**MANHATTAN, NY**

**NY LTANKS**    **S102662601**  
**N/A**

**Relative:**  
**Lower**

**LTANKS:**

Site ID: 292909  
 Spill Number/Closed Date: 9505402 / 2/3/1997  
 Spill Date: 3/16/1995  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: HEALY  
 Referred To: Not reported  
 Reported to Dept: 8/1/1995  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/4/1995  
 Spill Record Last Update: 2/3/1997  
 Spiller Name: FRANK OCELLO  
 Spiller Company: NYC HOUSING AUTHORITY  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 237093  
 DEC Memo: Not reported  
 Remarks: VAULTED TANKS - OIL AND OTHER OILY DEBRIS IN TANK VALUT. CANNOT CLEAN UNTIL ASBESTOS REMOVED.

**Material:**

Site ID: 292909  
 Operable Unit ID: 1020325  
 Operable Unit: 01  
 Material ID: 363395  
 Material Code: 0002A  
 Material Name: #4 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RANDOLPH HOUSES (Continued)

S102662601

Tank Test:

520  
WSW  
1/4-1/2  
0.370 mi.  
1954 ft.

ST. LUKES HOSPITAL HALFWAY HOUSE  
306 WEST 102ND ST  
MANHATTAN, NY

NY LTANKS S109583732  
N/A

Relative:  
Higher

LTANKS:

Actual:  
108 ft.

Site ID: 413738  
Spill Number/Closed Date: 0901728 / 10/20/2014  
Spill Date: 5/12/2009  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: VXBREVD0  
Referred To: Not reported  
Reported to Dept: 5/12/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/12/2009  
Spill Record Last Update: 10/20/2014  
Spiller Name: STEVE MONEZ  
Spiller Company: APT BLDG  
Spiller Address: 306 WEST 102ND ST  
Spiller City,St,Zip: MANHATTAN, NY 999  
Spiller Contact: KRISTY CLUNE  
Spiller Phone: (800) 440-8265  
Spiller Extention: 107  
DEC Region: 2  
DER Facility ID: 362860  
DEC Memo: 5/20/2009 TTF Letter sent to:Mr. Steven Monezc/o St Lukes Hosp555 West 57th St - Suite 5-46New York, NY 1001907/16/13 - Spill Case is transferred from Leszek Zielinski (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB10/20/2014 - V. BrevdoThis TTF Spill Case is pertinent to the same property and the same AST in the basement of the residential building as in the Spill Case No. 0904155. Tank failed test on 05/12/2009 and then failed again the 2nd tightness test on 07/09/2009. Records for spill case no. 0904155 reveal that the No. 2 fuel oil tank was removed from concrete vault. "The floor beneath was stained and PTC continued to break up floor. Soils beneath concrete smelled of fuel oil. Two samples were collected."Records for spill case no. 0904155 further state that "Analytical results for samples revealed low level VOCs and SVOCs... A site visit was performed on 9-14-09 with Mark from PTC and Rich Vicari of hospital. PID readins of 9.5 ppm were

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. LUKES HOSPITAL HALFWAY HOUSE (Continued)**

**S109583732**

detected. I (project manager - V.B.) recommended that some soil removal should take place and new endpoints collected. PTC will restore, epoxy paint and install two new 275 ASTs."On September 18, 2009, DEC project manager for spill case no. 0904155 "inspected the site after PTC dug down beneath the concrete. PID readings of 2 ppm were detected. No significant oil staining or odors." Following completion of remedial work, DEC project manager for spill case no. 0904155 received documentation of cleanup with no significant detection of petroleum. Spill Case No. 0904155 was closed on 07/26/2010. As described above, this spill case (0901728), tank test failure and remediation activities are pertinent to the same tank as in spill case no. 0904155. Remediation completed in September 2009 fully addressed environmental concern related to tank test failures at this property. The Department hereby determined that the closure of this spill case - 0901728 - is appropriate at this time. Remediation is completed. Spill case is closed effective 10/20/2014. V. Brevdo

Remarks: TANK TEST FAILURE ON A ABOVE GROUND 550 GALLON TANK IN THE BASEMENT. NO PRODUCT WAS SPILLED. TANK IS VAULTED.

Material:

Site ID: 413738  
Operable Unit ID: 1170149  
Operable Unit: 01  
Material ID: 2161866  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 416299  
Spill Number/Closed Date: 0904155 / 7/26/2010  
Spill Date: 7/9/2009  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: RMP/IPER  
Referred To: Not reported  
Reported to Dept: 7/9/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ST. LUKES HOSPITAL HALFWAY HOUSE (Continued)**

**S109583732**

Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/9/2009  
Spill Record Last Update: 7/26/2010  
Spiller Name: Not reported  
Spiller Company: ST. LUKES HOSPITAL  
Spiller Address: Not reported  
Spiller City,St,Zip: MANAHATTAN, NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 362860  
DEC Memo: PTC is submitting proposal to remove/ replace/ excavate/ sample.PTC has removed the tank which was surrounded in concrete. The floor beneath was stained and PTC continued to break up floor. Soils beneath concrete smelled of fuel oil. Two samples were collected. Analytical results from msamples revealed low level VOCs and SVOCs. site visit warranted.A site visit was performed on 9-14-09 with Mark from PTC and Rich Vicari of hospital. PID readings of 9.5ppm were detected. I recommended that some soil removal should take place and new endpoints collected. PTC will restore, epoxy paint and install two new 275 ASTs. 9/18/09- DEC Piper- I inspected site after PTC dug down beneath the concrete. PID readings of 2 ppm were detected. No significant oil staining or odors. PTC will collect samples at end of day. DEC Piper received documentation of cleanup. no significant detection of petroleum. Based on work to date. This spill is closed.

Remarks: Encapsulated 55 failed 2nd tightness test. Tank opened and patches already found.

Material:

Site ID: 416299  
Operable Unit ID: 1172612  
Operable Unit: 01  
Material ID: 2164480  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

521  
SW  
1/4-1/2  
0.375 mi.  
1979 ft.

DOUGLAS HOUSES -NYCHA  
830 AMSTERDAM AVE  
NEW YORK, NY

NY LTANKS S102555811  
N/A

Relative:  
Higher

LTANKS:

Actual:  
95 ft.

Site ID: 99277  
Spill Number/Closed Date: 9614533 / 5/20/2008  
Spill Date: 3/17/1997  
Spill Cause: Tank Test Failure  
Spill Source: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: jkkann  
Referred To: Not reported  
Reported to Dept: 3/17/1997  
CID: 369  
Water Affected: Not reported  
Spill Notifier: Local Agency  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/17/1997  
Spill Record Last Update: 5/20/2008  
Spiller Name: FRANK OCELLO  
Spiller Company: NYC HOUSING AUTHORITY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: DAVE FORTE  
Spiller Phone: (212) 306-3226  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 88249  
DEC Memo: 11/6/07 - J.Kann - spill reassigned from J. Kolleeney to J.Kann.  
Spill number 0208799 closed and consolidated with this spill.5/20/08  
- J,Kann - Based on passing tank tightness testing after repair of  
manway gasket and stick line, spill closed. Discussed with Vadim.

Remarks: TANK FAILURE

Material:

Site ID: 99277  
Operable Unit ID: 1042207  
Operable Unit: 01  
Material ID: 339642  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15000  
Units: Gallons  
Recovered: 15000  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**S102555811**

Tank Test:

Site ID: 99277  
Spill Tank Test: 1545024  
Tank Number: 1  
Tank Size: 15080  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

Site ID: 99276  
Spill Number/Closed Date: 0208799 / 11/6/2007  
Spill Date: 11/25/2002  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: jkkann  
Referred To: CONSOLIDATED WITH 9614533  
Reported to Dept: 11/25/2002  
CID: 281  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 11/25/2002  
Spill Record Last Update: 11/6/2007  
Spiller Name: MARIO MANDALONE  
Spiller Company: NYC HOUSING AUTHORITY  
Spiller Address: 23-02 49TH AVE  
Spiller City,St,Zip: LONG ISLAND CITY, NY 11011-001  
Spiller Contact: MARIO MANDALONE  
Spiller Phone: (718) 707-7839  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 88249  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY" COPY HIM. 11/04/05: This spill transferred from J.Kolleeny to S.Kraszewski. 09/01/06: This spill changed from "unassigned" DEC Lead to S. Kraszewski. See also spill 9614533, which may be closed and consolidated with this spill. - J. Kolleeny 02/06/07 - J.Kann - site reassigned from S. Kraszewski to J.Kann. 11/6/07 - J.Kann - spill closed and consolidated with spill 9614533.

Remarks: TANK TEST FAILURE AT ABOVE LOCATION. TANK TO BE ISOLATED/REPAIRED AND RETESTED.

Material:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOUGLAS HOUSES -NYCHA (Continued)**

**S102555811**

Site ID: 99276  
Operable Unit ID: 860221  
Operable Unit: 01  
Material ID: 515793  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 99276  
Spill Tank Test: 1527755  
Tank Number: 1  
Tank Size: 15000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

522  
North  
1/4-1/2  
0.383 mi.  
2023 ft.

**COLUMBIA UNIV 601 W.115TH  
601 W. 115TH STREET  
MANHATTAN, NY**

**NY LTANKS S102672900  
NY Spills N/A**

**Relative:  
Higher**

LTANKS:

Site ID: 293474  
Spill Number/Closed Date: 9500800 / 4/20/1995  
Spill Date: 4/20/1995  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 4/20/1995  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 4/20/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/12/1995  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported

**Actual:  
125 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIV 601 W.115TH (Continued)**

**S102672900**

Spiller Company: HESS CORP (DRIVER)  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 237541  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: CONCRETE PAD. DRIVER FILLED WRONG TANK. PEOPLE FROM HESS GOING TO SCENE NOW.

Material:  
Site ID: 293474  
Operable Unit ID: 1014919  
Operable Unit: 01  
Material ID: 369413  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:  
Facility ID: 9409005  
Facility Type: ER  
DER Facility ID: 237541  
Site ID: 293473  
DEC Region: 2  
Spill Date: 10/6/1994  
Spill Number/Closed Date: 9409005 / 10/6/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 10/6/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 10/6/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIV 601 W.115TH (Continued)**

**S102672900**

Remediation Phase: 0  
Date Entered In Computer: 11/2/1994  
Spill Record Last Update: 4/24/2003  
Spiller Name: Not reported  
Spiller Company: MYSTIC TRANSPORT  
Spiller Address: 1901 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: OVERFILLED TANK, WILL NOTIFY DEP. CLEANED UP WITH SPEEDY DRY AND ABSORBENT PADS. NCB

Material:  
Site ID: 293473  
Operable Unit ID: 1003045  
Operable Unit: 01  
Material ID: 378432  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

523  
SW  
1/4-1/2  
0.384 mi.  
2027 ft.

**SPILL NUMBER 0102271**  
**242 W 112ST ST**  
**NEW YORK, NY**

**NY LTANKS S105054979**  
**N/A**

**Relative:**  
**Higher**

LTANKS:  
Site ID: 106924  
Spill Number/Closed Date: 0102271 / 4/11/2002  
Spill Date: 5/30/2001  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 5/30/2001  
CID: 365  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False

**Actual:**  
**96 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SPILL NUMBER 0102271 (Continued)**

**S105054979**

UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/30/2001  
Spill Record Last Update: 6/6/2002  
Spiller Name: AZZAH NANAFFAH  
Spiller Company: Not reported  
Spiller Address: 242 W 112ST ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: AZZAH NANAFFAH  
Spiller Phone: (212) 897-2674  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 94115  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"4/11/02 REPAIRS WERE MADE AROUND THE MANWAY AND THE TANK RETESTED AND PASSED.  
Remarks: horner ez locator plus - failed

Material:  
Site ID: 106924  
Operable Unit ID: 839095  
Operable Unit: 01  
Material ID: 534385  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 106924  
Spill Tank Test: 1526340  
Tank Number: 1  
Tank Size: 2000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

524  
East  
1/4-1/2  
0.387 mi.  
2042 ft.

APARTMENT BUILDING  
200 WEST 111TH STREET  
NEW YORK, NY 10026

NY LTANKS S108059380  
N/A

Relative:  
Lower

LTANKS:

Actual:  
36 ft.

Site ID: 366102  
Spill Number/Closed Date: 0603385 / 11/3/2008  
Spill Date: 6/27/2006  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: VSZHUNE  
Referred To: Not reported  
Reported to Dept: 6/27/2006  
CID: 409  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/27/2006  
Spill Record Last Update: 12/26/2008  
Spiller Name: MARLON JOESPH  
Spiller Company: APARTMENT BUILDING  
Spiller Address: 200 WEST 111TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: MARLON JOESPH  
Spiller Phone: (718) 624-4842  
Spiller Extention: 109  
DEC Region: 2  
DER Facility ID: 28556  
DEC Memo: 06/28/06-Zhune-Called Marlon Joseph from PTC (718)624-4842 and He gave me the following information: address, name and phone # of the owner: P.O.Box 8496 New york, NY 10150, 212-6637858, Ms.Carole Williams. He said thank capacity is 6000 gals and the product stored is #4 fuel oil, registration shows 6000 gals, #2 fuel oil. The thank is located in the basement in the tank room and it is in used. He said the problem is not in the thank is coming for one of the line so next step they are going to evacuate the tank and retest it. I also called carole Williams I let her know that DEC Is sending a TTF letter to her. She gave me her address: P.O. Box 8525 New York, NY 10150 and Fax # 917-4930477. Carol PH # 212 663785807/6/06- Results of the test was received.Petroleum tank Cleaners tested the tank on june 27.2008. The ullage portion failed the test. 08/28/08- Carol Williams Manager of the building sent a letter and the results of the Tank and system tightness test and the invoice.The invoice described the work that was performed On March 13, 2008: 3/13/2008-Removed existing 3" fill line. Installed new 2" fill line.3/18/2008Re- tested tank and System. Tank passed the testRental 2-275 gallons temporary fuel oil storage tanks from 3/6/08 to 3/18/20083/18/2008 Temp tank Removed. Petroleum Tank Cleaners tested the tank on February 28, 2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S108059380**

Only the tank passed the test. Petroleum Tank Cleaners tested the system on March, 18, 2008. The system passed test. 09/02/08- Zhune spoke to Mark Salamack from PTC. Mark verbally said he did not see any contamination but we are waiting for a written report. 09/03/08- PTC sent a letter saying the following. The facility is an apartment building that has a 60000 gallon above ground #4 fuel storage tank. This tank was tested on 27, June 2006 for refinancing of the building and failed. In February of this Year PTC was contacted by the manager of the building to investigate and remedy the source of failure. The tank was emptied and all the lines were tested and the tank isolated and tested by itself. The fill line was found to leak, all other lines were good and the tank only test passed. Subsequently the fill line which is entirely above ground was replaced. There was no actual hole in the line, just some loose fittings that, although soaked with oil has not dripped any oil. During this work no contamination. The tank system was tested on 18, March 2008 and passed.

Remarks: ABOVE LIQUID LEAK.

Material:

Site ID: 366102  
Operable Unit ID: 1124056  
Operable Unit: 01  
Material ID: 2113539  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 366102  
Spill Tank Test: 1550084  
Tank Number: 1  
Tank Size: 4000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Watchdog  
Last Modified: 6/27/2006  
Test Method: Horner EZ Check I or II

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

525  
SSW  
1/4-1/2  
0.400 mi.  
2113 ft.

24TH PRECINCT  
151 WEST 100TH STREET  
MANHATTAN, NY 10025

NY LTANKS  
NY HIST UST  
NY Spills

U001842041  
N/A

Relative:  
Higher

LTANKS:

Actual:  
93 ft.

Site ID: 275532  
Spill Number/Closed Date: 9600523 / 11/3/2003  
Spill Date: 4/11/1996  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: JAKOLLEE  
Referred To: Not reported  
Reported to Dept: 4/11/1996  
CID: 257  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 4/11/1996  
Spill Record Last Update: 2/3/2005  
Spiller Name: UNKNOWN  
Spiller Company: NYC POLICE DEPT  
Spiller Address: 24TH PRECINCT 151 W.100TH  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: UNKNOWN  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 150304  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY" SVE SYSTEM INSTALLED FOR SOIL, GROUNDWATER MONITORING SHOWED MINOR IMPACT, THEN NO IMPACT. SITE ADEQUATELY CLEANED UP. SEE ALSO SPILL NOS. 9512584 AND 9600577.OK TO CLOSE. - JK 11/03/03  
Remarks: pulling tanks found contaminated soil

Material:

Site ID: 275532  
Operable Unit ID: 1028211  
Operable Unit: 01  
Material ID: 353919  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

24TH PRECINCT (Continued)

U001842041

Tank Test:

HIST UST:

PBS Number: 2-601697  
SPDES Number: Not reported  
Emergency Contact: FUEL CONTROL UNIT  
Emergency Telephone: (718) 476-7524  
Operator: NEW YORK CITY POLICE DEPT.  
Operator Telephone: (212) 678-1811  
Owner Name: NEW YORK CITY POLICE DEPT.  
Owner Address: 1 POLICE PLAZA  
Owner City,St,Zip: NEW YORK, NY 10038  
Owner Telephone: (212) 374-7650  
Owner Type: Local Government  
Owner Subtype: Not reported  
Mailing Name: NYCPD ADMIN. SERVICE DIV.- BUILDING MAINTENANCE  
Mailing Address: 59-06 BROOKLYN- QUEENS EXPRESSWAY  
Mailing Address 2: Not reported  
Mailing City,St,Zip: WOODSIDE, NY 11377  
Mailing Contact: SERGEANT T. ZAPATA  
Mailing Telephone: (718) 476-7586  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Facility Addr2: Not reported  
SWIS ID: 6201  
Old PBS Number: Not reported  
Facility Type: OTHER  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 12/07/2001  
Expiration Date: 01/10/2004  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 5025  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City: 01  
Region: 2  
  
Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

24TH PRECINCT (Continued)

U001842041

Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Rubber Liner  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1996  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: Not reported  
Capacity (gals): 8000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Rubber Liner  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 01/01/2001  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 550  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

24TH PRECINCT (Continued)

U001842041

Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Rubber Liner  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1996  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place  
Install Date: Not reported  
Capacity (gals): 1000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Epoxy Liner  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 01/01/2001  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

SPILLS:

Facility ID: 0201394  
Facility Type: ER  
DER Facility ID: 150304  
Site ID: 179061  
DEC Region: 2  
Spill Date: 5/7/2002  
Spill Number/Closed Date: 0201394 / 8/12/2002  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

24TH PRECINCT (Continued)

U001842041

Investigator: JAKOLLEE  
Referred To: Not reported  
Reported to Dept: 5/7/2002  
CID: 233  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/7/2002  
Spill Record Last Update: 12/22/2004  
Spiller Name: Not reported  
Spiller Company: NYPD 24TH PRECINCT  
Spiller Address: 151 W. 100TH ST.  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"KOLLEENY"TYREE'S CLOSURE SAMPLES SHOWED MINOR/MODERATE LEVELS OF SVOCs AT TWO BORING LOCATIONS. KOLLEENY OF DEC ASKED URS (NYCDDC's DESIGN CONSULTANT FOR SITE, WHICH HAS AN OPERATING SVE SYSTEM) TO DO TWO CONFIRMATION BORINGS AND COLLECT GROUNDWATER SAMPLES. URS ADVANCED TWO SOIL BORINGS AND TOOK 2 GW GRAB SAMPLES. RESULTS SHOWED VERY MINOR SVOC LEVELS IN SOIL AND ONLY MTBE SLIGHTLY EXCEEDING STANDARDS IN GROUNDWATER (NOT FROM FUEL OIL TANK!). OK TO CLOSE.  
Remarks: CALLER WAS HIRED TO TAKE SOIL SAMPLES TESTS SHOW CONTAMINATION

Material:  
Site ID: 179061  
Operable Unit ID: 852354  
Operable Unit: 01  
Material ID: 522810  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9512584  
Facility Type: ER  
DER Facility ID: 150304  
Site ID: 139809  
DEC Region: 2  
Spill Date: 1/10/1996  
Spill Number/Closed Date: 9512584 / 11/3/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**24TH PRECINCT (Continued)**

**U001842041**

Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JAKOLLEE  
Referred To: Not reported  
Reported to Dept: 1/10/1996  
CID: 204  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/10/1996  
Spill Record Last Update: 2/3/2005  
Spiller Name: BOB KREUZER  
Spiller Company: NEW YORK CITY POLICE  
Spiller Address: 151 WEST 100TH STREET  
Spiller City,St,Zip: MANHATTAN, NY 11210-001  
Contact Name: BOB KREUZER  
Contact Phone: (716) 856-5636  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KOLLEENY"URS DID SITE INVESTIGATION, INSTALLED SVE SYSTEM TO ADDRESS SOIL CONTAMINATION AND DID MONITORING OF VERY MINOR GROUNDWATER CONTAMINATION. CONFIRMATION SOIL SAMPLING IN JULY 2003 INDICATED SOIL HAS BEEN ADEQUATELY CLEANED UP, GROUNDWATER SAMPLING SHOWED GROUNDWATER MEETS STANDARDS. OK TO CLOSE. - JK 11/03/03

Remarks: LABORATORY RESULTS SHOW SOIL CONTAMINATION

Material:  
Site ID: 139809  
Operable Unit ID: 1023688  
Operable Unit: 01  
Material ID: 356332  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**526**  
**East**  
**1/4-1/2**  
**0.420 mi.**  
**2216 ft.**

**228 WEST 114TH ST**  
**228 WEST 114TH STREET**  
**NEW YORK CITY, NY**

**NY LTANKS**    **S104275632**  
**N/A**

**Relative:**  
**Lower**

**LTANKS:**

Site ID: 141697  
 Spill Number/Closed Date: 9011108 / 7/6/1993  
 Spill Date: 1/24/1991  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: 7/6/1993  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: HEALY  
 Referred To: Not reported  
 Reported to Dept: 1/24/1991  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 2/1/1991  
 Spill Record Last Update: 12/27/1993  
 Spiller Name: Not reported  
 Spiller Company: NYCHA  
 Spiller Address: 250 BROADWAY  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 120964  
 DEC Memo: Not reported  
 Remarks: SPILL CONTAINED ON PAVEMENT OUTSIDE BUILDING,CLEAN UP DONE BY HOUSING PERSONNEL.

**Material:**

Site ID: 141697  
 Operable Unit ID: 951313  
 Operable Unit: 01  
 Material ID: 431201  
 Material Code: 0002A  
 Material Name: #4 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 50  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

228 WEST 114TH ST (Continued)

S104275632

Tank Test:

527  
ENE  
1/4-1/2  
0.425 mi.  
2243 ft.

301 WEST 116TH ST/MANHATT TTF  
301 WEST 116TH STREET  
NEW YORK CITY, NY

NY LTANKS S104275530  
N/A

Relative:  
Lower

LTANKS:

Actual:  
39 ft.

Site ID: 144555  
Spill Number/Closed Date: 8807849 / 9/17/2012  
Spill Date: 12/27/1988  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station or other PBS Facility  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 12/28/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 12/30/1988  
Spill Record Last Update: 9/17/2012  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 123196  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"05/18/2001 Reassigned from Sullivan to Tipple06/13/01 CALLED VELOCITY INC. LEFT MEAASGE THAT THE PROJECT HAS BEEN REASSIGNED TO TIPPLE, REQUESTED CALLBACK8/2/01 SPOKE WITH SANTA FROM VELOCITY INC.(212)629-0690PROPERTY TRANSACTION PENDING12/10/03 mt// Transferred from Tipple to Rommel6/8/05 - Site temporarily assigned to TLGibbons in Central office, Albany7/13/05 - Spoke with son of owner of property in Great Neck @ 516-773-3094. Gave me his fathers name (goes by either Moshe or Mike Samouha) and cell phone (917-653-7056. Mike said he bought property 3 years ago and is currently auto parts store. He want to build on property. Says when he bought property the site was cleaned, tanks removed. He will find paperwork and send.8/17/05 - Mr. Samouha faxed me papers, but none had to do with tanks and he has no other paperwork. The spill database shows no other spills for this address. Based on discussion

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**301 WEST 116TH ST/MANHATT TTF (Continued)**

**S104275530**

with Joe Zelewski, it is recommended that this spill remain open. Recommend sending back to regional office.8/17/05 - Mike Samouha6/17/10 - added TTF to spill name (JOC)08/13/12 - LZ As Randy Austin requested, the spill has been reassigned to Tim DeMeo8/24/12 TJDT/C with property owner (Mr. Samouha - 516-773-3094) regarding open spill file. Owner states site has been redeveloped - building footprint has been expanded and is now a diner. Owner states he has performed borings on the property and no contamination has been found. DEC requested copy of the investigation report be mailed to Regional Office for review. Owner states he will copy the report and put it in the mail early next week. DEC requested a current mailing address and was provided the following:135-36 82nd AvenueKew Gardens, NY 11435No PBS record found for this address. Awaiting requested docuemtation. (TD)9/17/12 TJDFile review. Current property owner has submitted a copy of Phase II - Subsurface Investigation Report dated 6/3/10 (on E-DOCS). A total of (5)geoprobe borings were performed on the property prior to the expansion of building footprint - borings advanced to 12-15 ft bgs. All sample results were within RSCO. Site has been redeveloped and structure expanded over former tank field. No historical correspondence in file. File administratively closed based upon documentation submitted by current owner.

Remarks:

(11) 550 GALLON TANKS FAILED AIR PRESSURE TEST, UNREADABLE LEAK RATE, SYSTEM FAILURE, WILL NOTIFY OWNER OF FAILURE.

Material:

Site ID: 144555  
Operable Unit ID: 924385  
Operable Unit: 01  
Material ID: 452624  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 144555  
Spill Tank Test: 1535042  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

528  
ESE  
1/4-1/2  
0.427 mi.  
2255 ft.

**SPILL NUMBER 0112250**  
**145 W. 110TH ST**  
**MANHATTAN, NY**

**NY LTANKS**    **S105995493**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**33 ft.**

Site ID: 268560  
Spill Number/Closed Date: 0112250 / 3/3/2003  
Spill Date: 3/28/2002  
Spill Cause: Tank Overfill  
Spill Source: Commercial Vehicle  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 3/28/2002  
CID: 322  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/28/2002  
Spill Record Last Update: 3/3/2003  
Spiller Name: Not reported  
Spiller Company: SOUTH CAROLINA OIL COMP.  
Spiller Address: 165 W. 135RD ST  
Spiller City,St,Zip: MAHATTAN, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 218777  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"03/03/03-close spill.  
Remarks: fire dept responding to a tank overfill at church -no sewers effected  
-

Material:

Site ID: 268560  
Operable Unit ID: 851055  
Operable Unit: 01  
Material ID: 526260  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 25  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

SPILL NUMBER 0112250 (Continued)

S105995493

Tank Test:

529  
SW  
1/4-1/2  
0.443 mi.  
2337 ft.

APT BUILDING TTF  
250 WEST 100  
MANHATTAN, NY

NY LTANKS S110490683  
N/A

Relative:  
Higher

LTANKS:

Actual:  
93 ft.

Site ID: 435834  
Spill Number/Closed Date: 1002663 / 5/8/2014  
Spill Date: 6/7/2010  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: VXBREVDO  
Referred To: Not reported  
Reported to Dept: 6/8/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/8/2010  
Spill Record Last Update: 5/8/2014  
Spiller Name: Not reported  
Spiller Company: APT BUILDING  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: ADAM  
Spiller Phone: (617) 429-8994  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 390727  
DEC Memo: 8/6/2010Sangesland spoke to Adam Wartski (212-222-9009)He is property manager. He will gather paperwork on tank repairs and forward materials to DEC to close out this case.TTF letter sent to: (see eDocs)Whitehall Hotel Corp.251 West 20th StNew York, NY 10011Attn: Adam Wartski07/16/13 - Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB05/08/2014 - V. BrevdoOn June 25, 2010 Eastmond & Sons Boiler Repair and Welding Services performed a system tightness test on the 10,000 gallon AST oil tank and test failed. Eastmond & Sons then isolated the oil lines and retested, and tank passed the tightness test. The cause of first test failure was a leaking vent line. Eastmon installed a new vent line, retested system on August 23rd 2010 and passed tightness test. Report of the passed test was submitted by Eastmond on May 8, 2014 at the Department's request. Eastmond verified that they found no discharge of oil into

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BUILDING TTF (Continued)**

**S110490683**

Remarks: the ground, and requested closure of the spill case. The Department closed spill case effective May 8, 2014. V. Brevdo  
10000gal agt

Material:

Site ID: 435834  
Operable Unit ID: 1186563  
Operable Unit: 01  
Material ID: 2181365  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

530  
SSE  
1/4-1/2  
0.444 mi.  
2345 ft.

**NYC PARKS DEPT  
LASKER POOL/CENTRAL PARK  
NEW YORK, NY**

**NY LTANKS S104951094  
N/A**

Relative:  
Lower

LTANKS:

Actual:  
59 ft.

Site ID: 94432  
Spill Number/Closed Date: 0013242 / Not Reported  
Spill Date: 3/19/2001  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: adzhitom  
Referred To: Not reported  
Reported to Dept: 3/19/2001  
CID: 281  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 1  
Date Entered In Computer: 3/19/2001  
Spill Record Last Update: 10/7/2014  
Spiller Name: ANDRE LAPRE/URS  
Spiller Company: NYC PARKS DEPT  
Spiller Address: 537 WEST 69TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: ANDRE LAPRE/URS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC PARKS DEPT (Continued)**

**S104951094**

Spiller Phone: (800) 850-9230  
Spiller Extension: Not reported  
DEC Region: 2  
DER Facility ID: 84543  
DEC Memo: 08/19/09 Gabe Ramos from NYC Parks(212-410-8916) requested to assign a case manager for this case.(sr)09/02/09-Hiralkumar Patel.1:18 PM:- received email from Mr. Ramos. Two old 5K tanks were cleaned/Purged and closed on Jan. 2003 and a new 10K tank installed on Nov. 2002 by Empire Environmental. Project # PW348-34-2.Gabe RamosDep. Chief of Citywide OperationsCity of New York, Parks & Recreation5-Boro OperationsRandalls Island, NY 10035PH. (212) 410-8916email: Gabriel.Ramos@parks.nyc.gov05/24/12-Hiralkumar Patel.2:02 PM:- sent email to Mr. Ramos inquiring updates.10/06/14-Hiralkumar Patel. as per DEC Austin, case assigned to DEC Vadim.DEC requires: 1) isolation test result and documents regarding repair and removal of any contamination and then system test result after repair or 1) soil and groundwater investigation around tank system (including lines)  
Remarks: TANK TEST FAILURE AT ABOVE LOCATION. TANK IDENTIFIED AS THE EASTTANK. TANK FAILED THE ULLAGE DRY PORTION LEAK TEST. PARKS DEPTAND ENGINEERING FIRM ADVISED OF TEST RESULTS.

**Material:**

Site ID: 94432  
Operable Unit ID: 834733  
Operable Unit: 01  
Material ID: 539961  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 94432  
Spill Tank Test: 1526150  
Tank Number: 1  
Tank Size: 5000  
Test Method: 03  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Horner EZ Check I or II

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

531  
 NNW  
 1/4-1/2  
 0.468 mi.  
 2472 ft.

**COLUMBIA UNIVERSITY**  
**435 RIVERSIDE DRIVE**  
**MANHATTAN, NY**

**NY LTANKS**    **S104501528**  
**NY Spills**    **N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**93 ft.**

Site ID: 380252  
 Spill Number/Closed Date: 0700843 / 5/25/2007  
 Spill Date: 4/20/2007  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: rvketani  
 Referred To: Not reported  
 Reported to Dept: 4/20/2007  
 CID: 410  
 Water Affected: Not reported  
 Spill Notifier: Local Agency  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/20/2007  
 Spill Record Last Update: 5/25/2007  
 Spiller Name: DAVID STERN  
 Spiller Company: EMPIRE STATE FUEL  
 Spiller Address: 1620 MCDONALD AVE  
 Spiller City,St,Zip: BROOKLYN, NY  
 Spiller County: 001  
 Spiller Contact: JOE OSTROWSKI  
 Spiller Phone: (718) 624-4842  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 203096  
 DEC Memo: 4/23/07 - Raphael Ketani. I spoke to Joe Ostrowski of PTC (718)624-4842 regarding the spill. He said that it was all cleaned friday, 4/20/07, and he is just waiting for the report to arrive on his desk. The spill happened inside the building, not outside as previously reported. He said that there were 2 temporary 275 gal. tanks inside the and the delivery guy overfilled the tanks. The #2 oil came out the guage and onto the floor. He couldn't tell me more until he gets the report.4/24/07 - Raphael Ketani. I made an unannounced site visit. There were very light oil vapors in the lobby. The vapors were light to moderate in the inner lobby at the top of the stairs to the basement. I met Mr. Mejias, the super. He showed me the tank room. The vapors were strong. One fan was working, but there was no where to blow the vapors. I told Mr. Mejias to open the cellar doors to let the vapors escape. I told him to call PTC and have them bring in a second fan to push the vapors directly out the cellar doors. He said he would do this. A large oil tank (PBS#2-453846, 5000 gal., #2 oil) had been removed. It was apparent that there had been significant leakage. The wall under where the fill pipe used to be was black. There was oil staining on the bottom of the wall where the tank used to be and along the bottom of the adjacent wall. The small spill out of the gauge of one of the

**COLUMBIA UNIVERSITY (Continued)**

**S104501528**

temporary tanks had been cleaned up. The floor of the tank room looked intact with no cracks. I took 4 pictures. 4/25/07 - Raphael Ketani. I spoke to Joe Ostrowski of PTC. He said that PTC was responding to only the small 25 gal. He said that the big tank spill was originally caused by the leaking fill pipe. He said that Empire State Fuel is the building oil supplier. I tried contacting Gunther Zagel, Chief Engineer for Columbia University, at a regular phone number, but was unable to reach him. I left a message for him to call me on his cell phone (917) 750-8106 and stated that the tank room needed to be ventilated immediately. As I couldn't get ahold of Mr. Zagel, I tried to contact Nelson Falcon via (212) 854-9300, the building manager. I left a message that the vapors needed to be ventilated immediately and for him to call me back. I wrote a CSL for both Mr. Zagel and Mr. Falcon and submitted it to Randall Austin, Chief Spills Unit Region 2, for approval. Mr. Falcon called me back. I explained to him that the tank room needed to be ventilated immediately. He said he will get someone over there to open up the cellar doors and bring in a second fan. I also told him to have a soil sample taken at the base of the wall that is below the fill pipe and to have the floor power washed. He said he will have this done. Mr. Zagel called me back. He said that he had just gone to the site and had a second fan installed in the tank room and had the cellar doors opened. He said that the big tank that was removed really didn't have a leak of any consequence. He said he saw a little dripping where the fill line connected to the tank, but nothing else. He said that he is conducting a university wide program of tank replacement even if no leaks are apparent. He said he wanted to replace all of the old tanks with new ones on saddles without the vault. Mr. Zagel said that PTC has been hired to clean up the tank room. The CSL went out today. 4/26/07 - Raphael Ketani. Chris Pettinato, Director of Environmental Safety Programs, Environmental Health and Safety Group (212) 854-0108, called to update me on progress cleaning the tank room. He said that PTC was there until 10PM yesterday trying to clean the room. He said they cleaned the base of the walls. He added that they tried to clean the heavily stained wall under the former fill pipe, but they could only remove the residual oil. Mr. Pettinato said that the wall is still heavily stained, even though PTC used detergent on the wall with their powerwash. I asked him whether the wall emits odors. He said it doesn't. However, he said, they dug 2 test pits in the floor, one 2 feet from a wall and 21" by 30", and another 2 feet square that is 3 feet from the northeast corner. He said that no contamination was noted in the pit that is 2 feet from the wall, but the one 3 feet from the corner had contaminated soil and bedrock. Mr. Pettinato said that there isn't much soil below the floor. I told him to open up more of the floor from the corner pit and remove as much soil as possible. I added that he should send soil manifests, pictures, PID readings and so forth. I told him that if some soil can't be removed because they will be too close to a bearing wall, then DEC will need an official letter from a NYS licensed engineer explaining this. Mr. Pettinato said he will remove as much soil as they can find and which is contaminated. 5/3/07 - Raphael Ketani. Mr. Zagel called me today. He said that he had the soil removed down to bedrock in the room. He said this was a depth of 6'. I told him that DEC told Mr. Pettinato on 4/26/07 not to go so deep as to jeopardize the safety of any bearing walls or columns. Mr. Zagel said that he was not concerned about the depth because the bearing walls rested on the bedrock. I

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**S104501528**

told him not to go further and to just powerwash any oil on the bedrock, collect the oil with absorbent material, take pictures, backfill with compacted fill, put down a concrete slab, and submit a report with the pictures and the manifests and get the tank registered. Mr. Zagel said that he will do all this. Dennis O'Hagan of Columbia University, Facilities, Health & Safety called to find out what DEC needed to close the case. I told him that the bedrock needed to be powerwashed with soap, all liquids collected, backfilling with clean fill and tamping down the material, pouring of a concrete slab, and powerwashing of the wall below the fill pipe. I told him that DEC will need manifests for all of the soil removed, photos of each step in the cleanup process, and a cover letter describing what happened, why it happened, how the situation was handled, and the end result. He said he will make sure the remediation goes the way I described and he will get me the documentation that DEC needs. 5/17/07 - Raphael Ketani. Mr. O'Hagan called to say that everything is cleaned up, and all of the contaminated soil and material will be shipped out next week. He added that the DEC should get a copy of the cleanup report by the end of next week. 5/25/07 - Raphael Ketani. I received a package of documents from Mr. O'Hagan. The package contained a cover letter which explained what had happened at the site, what was done to remove the contamination, and what was done to restore the site to pre-spill conditions. It also contained bills from PTC for work performed, a manifest for the contaminated material that was removed, pictures of the work that was done, a NYC work permit, and a copy of the revised PBS form. Based upon the package of documents that I received today, I am closing the spill case.

Remarks:

CALLER' S COMPANY WILL BE CONDUCTING CLEANUP:'

Material:

Site ID: 380252  
Operable Unit ID: 1137736  
Operable Unit: 01  
Material ID: 2127691  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 30  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 9600408  
Facility Type: ER  
DER Facility ID: 203096  
Site ID: 247350  
DEC Region: 2  
Spill Date: 4/9/1996  
Spill Number/Closed Date: 9600408 / 4/10/1996  
Spill Cause: Human Error

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBIA UNIVERSITY (Continued)**

**S104501528**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 4/9/1996  
CID: 322  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/9/1996  
Spill Record Last Update: 5/6/1996  
Spiller Name: GARLAND MCCARDLE  
Spiller Company: COASTAL OIL  
Spiller Address: 31-70 COLLEGE PT BLVD  
Spiller City,St,Zip: FLUSHING, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: (212) 678-4740  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was  
"MARTINKAT"  
Remarks: tank was overfilled by driver/ he read the guage wrong

Material:  
Site ID: 247350  
Operable Unit ID: 1031847  
Operable Unit: 01  
Material ID: 353803  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

532  
NNE  
1/4-1/2  
0.482 mi.  
2544 ft.

600 W. 118TH STREET  
600 W. 118TH STREET  
MANHATTAN, NY

NY LTANKS S102672857  
N/A

Relative:  
Higher

LTANKS:  
Site ID: 222075  
Spill Number/Closed Date: 9415684 / 3/3/1995  
Spill Date: 3/3/1995  
Spill Cause: Tank Overfill

Actual:  
122 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**600 W. 118TH STREET (Continued)**

**S102672857**

Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 3/3/1995  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 3/3/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/17/1995  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: MYSTIC TRANSPORTATION  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 183644  
DEC Memo: Not reported  
Remarks: TANK WAS FULL PRIOR TO FILLING. SPILL CONTAINED ON SIDEWALK. THE CREW FROM MYSTIC CLEANING UP.

Material:  
Site ID: 222075  
Operable Unit ID: 1009139  
Operable Unit: 01  
Material ID: 370860  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

533  
 SSW  
 1/4-1/2  
 0.486 mi.  
 2568 ft.

**STELLAR PWV MANAGEMENT LLC**  
**784 COLUMBUS AVENUE**  
**NEW YORK, NY 10025**

**NY LTANKS**  
**NY AST**  
**NY HIST AST**

**U000411130**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**87 ft.**

Site ID: 177461  
 Spill Number/Closed Date: 9702659 / 7/25/2005  
 Spill Date: 5/29/1997  
 Spill Cause: Tank Failure  
 Spill Source: Private Dwelling  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: SMSANGES  
 Referred To: Not reported  
 Reported to Dept: 6/2/1997  
 CID: 351  
 Water Affected: Not reported  
 Spill Notifier: Other  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/2/1997  
 Spill Record Last Update: 5/6/2014  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller County: 999  
 Spiller Contact: SUE BAYAD  
 Spiller Phone: (908) 225-6040  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 149121  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"3/11/03 - SAMUEL- File available in active unassigned spill files.5/14/04 - TRANSFERRED FROM TOMASELLO FOR REASSIGNMENT - END3/3/05 - Austin - Reassigned to Rahman5/6/2005 Sangesland took over this case. Spoke to consultant who said the #6 fuel oil tank was abandoned in place (filled with cement) back in 1998 (?). Apparently in 1997 or 1998 Sangesland wrote a letter to the owner saying that borings/wells were required around this tank and clean samples would be required to close the case out. Consultant said some boring/well work was done in 1998, but the case was not closed. They will review the data from then and redo anything that needs to be done. A new "Closure Package" will be sent to the DEC "Soon".6/2/2005 Sangesland reviewed a work plan submitted by Ted Yen of Don Carlo Environmental (718-857-3100) The work plan outlined 3 boring locations - 7 feet diagonally off the corners of the tank. Sangesland called Mr. Yen today, the work has already been done and a final report should be submitted "Soon".7/25/2005 Sangesland reviewed a Subsurface Closure Report dated July 12, 2005. All sampling was performed. Minor "hit" were found at Boring 3, however groundwater samples and another boring between the fill port and the building was clean. OK to close

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STELLAR PWV MANAGEMENT LLC (Continued)**

**U000411130**

out.Spill is Closed with "No Further Action" - Does NOT meet Stds.5/5/14-Vought-Received call from and spoke to Martin Rosenblatt (martinrosenblatt@hotmail.com Ph:917-972-8105) who formerly worked for NYC Public Adovcates Office and also worked for Mario Cuomo as well. Rosenblatt lives across street from site and is a concerned citizen and was informed of developement associated with open spill 1306324 and had attended a prior public meeting as well. Rosenblatt was referred to Vought by RSE. Rosenblatt has concerns with contamination on-site and Vought summarized scope of work including excavation of site to bedrock with installation of vapor/moisture barrier. Vought also noted lead agency was NYSDOH. Rosenblatt inquired about a Toxics Targeting Report that noted that site was "not up to standards" and requested explanation and Vought provided explanation of CP51 Guidance. Vought requested that Rosenblatt inform DEC if he has any other questions or observations of the site that are of concern (eg vapors).

Remarks: CALLER WAS OVER SEEING A TANK EXCAVATION AND BELIEVES THAT SHE ENCOUNTERED CONTAMINATED SOIL - SAMPLES WERE SENT OUT AND SHE IS AWAITING RESULTS

Material:

Site ID: 177461  
Operable Unit ID: 1045384  
Operable Unit: 01  
Material ID: 566665  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-478946  
Program Type: PBS  
UTM X: 587227.79258999997  
UTM Y: 4516465.3776000002  
Expiration Date: 02/21/2016  
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 21307  
Affiliation Type: Facility Owner  
Company Name: PWV ACQUISITION LLC  
Contact Type: MANAGING AGENT  
Contact Name: HILDA LORENZI  
Address1: 792 COLUMBUS AVENUE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STELLAR PWV MANAGEMENT LLC (Continued)**

**U000411130**

Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-5121  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/5/2011

Site Id: 21307  
Affiliation Type: Mail Contact  
Company Name: PWV ACQUISITION LLC  
Contact Type: MANAGING AGENT  
Contact Name: HILDA LORENZI  
Address1: 792 COLUMBUS AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10025  
Country Code: 001  
Phone: (212) 222-5121  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/5/2011

Site Id: 21307  
Affiliation Type: On-Site Operator  
Company Name: PWV ACQUISITION LLC  
Contact Type: Not reported  
Contact Name: DAN FLANAGAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-4300  
EMail: Not reported  
Fax Number: Not reported  
Modified By: BVCAMPBE  
Date Last Modified: 12/5/2011

Site Id: 21307  
Affiliation Type: Emergency Contact  
Company Name: PWV ACQUISITION LLC  
Contact Type: Not reported  
Contact Name: CARMEN GIEGERICH  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 222-5121

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STELLAR PWV MANAGEMENT LLC (Continued)**

**U000411130**

EMail: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 2  
Tank Id: 56019  
Material Code: 0003  
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating  
G03 - Tank Secondary Containment - Vault (w/o access)  
I02 - Overfill - High Level Alarm  
I04 - Overfill - Product Level Gauge (A/G)  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction Dispenser  
L09 - Piping Leak Detection - Exempt Suction Piping  
C03 - Pipe Location - Aboveground/Underground Combination  
F01 - Pipe External Protection - Painted/Asphalt Coating  
H00 - Tank Leak Detection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 05/01/1999  
Capacity Gallons: 16900  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004  
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number: 2-478946  
SWIS Code: 6201  
Operator: GLORIA HUACHAMBER  
Facility Phone: (212) 222-5121  
Facility Addr2: 784 COLUMBUS AVE  
Facility Type: APARTMENT BUILDING  
Emergency: GLORIA HUACHAMBER  
Emergency Tel: (212) 222-5121  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: PWV ACQ. LLC  
Owner Address: 784 COLUMBUS AVENUE  
Owner City,St,Zip: NEW YORK, NY 10025  
Federal ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STELLAR PWV MANAGEMENT LLC (Continued)**

**U000411130**

Owner Tel: (212) 222-5121  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: GLORIA HUACHAMBER  
Mailing Name: STELLAR PWV MANAGEMENT LLC  
Mailing Address: 784 COLUMBUS AVENUE  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NEW YORK, NY 10025  
Mailing Telephone: (212) 222-5121  
Owner Mark: Second Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 02/23/2001  
Expiration: 02/21/2006  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 16500  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: Minor Data Missing  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NEW YORK CITY  
County Code: 62  
Town or City Code: 01  
Region: 2  
  
Tank ID: 002  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 10/01/1998  
Capacity (Gal): 16500  
Product Stored: NOS 5 OR 6 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Aboveground/Underground Combination  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 0  
Tank Containment: Diking  
Leak Detection: 0  
Overfill Protection: 24  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

534  
ENE  
1/4-1/2  
0.498 mi.  
2632 ft.

APT BUILDING  
222 WEST 116TH ST  
MANHATTAN, NY

NY LTANKS S102662757  
N/A

Relative:  
Lower

LTANKS:

Actual:  
32 ft.

Site ID: 70988  
Spill Number/Closed Date: 9610840 / 2/13/1997  
Spill Date: 12/2/1996  
Spill Cause: Tank Overfill  
Spill Source: Commercial Vehicle  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 12/2/1996  
CID: 233  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/2/1996  
Spill Record Last Update: 10/25/2001  
Spiller Name: JOHN GOODWIN  
Spiller Company: MYSTIC TRANSPORTATION  
Spiller Address: 1901 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY 11105-001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 67279  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"  
Remarks: WRONG TANK SIZE ON SLIP CLEANED W/ SPEEDY DRI ON PAVEMENT

Material:

Site ID: 70988  
Operable Unit ID: 1042222  
Operable Unit: 01  
Material ID: 343059  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: 15  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT BUILDING (Continued)**

**S102662757**

Tank Test:

Count: 21 records.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANHATTAN	S108146260	CONED, MANHATTAN COKING	110TH STREET	10025	NY HSWDS
MANHATTAN	S102672217	331 WEST 211TH STREET	331 WEST 211TH STREET		NY LTANKS
MANHATTAN	S106124480	2ND AVE SUBWAY PROJECT-NYCT	2ND AVE BETWEEN 97TH-WEST		NY LTANKS
MANHATTAN	S106719363	HUDSON TRANSIT	WEST 46TH STREET		NY LTANKS
MANHATTAN	S108059506	EXCAVATION	WEST 60TH BETWEEN 10 & 11		NY LTANKS
MANHATTAN	S113916668	ROUTE 9A RECONSTRUCTION PROJECT	ROUTE 9A BETWEEN BATTERY PK AN		NY SHWS
MANHATTAN	S113916979	CONSOLIDATED GAS 18TH ST. STATION	BETWEEN 18TH & 20TH STREETS AN	10027	NY SHWS
MANHATTAN	S113916422	NY MERCHANTILE EXCHANGE INC	1 NORTH END AVE		NY LTANKS
NEW YORK	S108239544	CE - E. 108TH ST. STATION	108TH ST. WEST OF FIRST AVE.	10029	NY VCP
NEW YORK	S108239562	CE - E. 111TH ST. WORKS	EAST 110TH - EAST 112TH STS.	10029	NY VCP
NEW YORK	S108239563	CE - E. 115TH ST. MGP	EAST 114TH - EAST 116TH STS.	10029	NY VCP
NEW YORK	S105684671	CE - E. 11TH ST. MGP	EAST 11TH - EAST 13TH STS.	10029	NY VCP
NEW YORK	S111458652	NYC DEPT OF SANITATION - TTF	110 EAST 138TH ST		NY LTANKS
NEW YORK	S113917049	1ST AVENUE AND EAST 90TH STREET	1ST AVENUE AND EAST 90TH STREE	10128	NY SHWS
NEW YORK	S100142817	239 WEST 264TH ST	239 WEST 264TH STREET		NY LTANKS
NEW YORK	S117269646	APARTMENT BUILDING	135 EAST 74TH		NY LTANKS
NEW YORK	S102672058	76TH ST BET. BROADWAY	76TH ST BET BROADWAY		NY LTANKS
NEW YORK	S110246035	BIBA FRENCH CLEANERS	102 W. 96TH ST/730 COLUMBUS AV	10025	NY DRYCLEANERS
NEW YORK	S108984505	CE - E. 99TH ST. WORKS	EAST 98TH - EAST 99TH STS.	10029	NY VCP
NEW YORK	S117535313	NYC PARKS	DYCKMAN AND TAYSON		NY LTANKS
NEW YORK CITY	S100145837	CLOSED-LACKOF RECENT INFO	60-06 107TH STREET		NY LTANKS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

### DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 04/08/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/03/2014	Source: Department of the Navy
Date Data Arrived at EDR: 12/12/2014	Telephone: 843-820-7326
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 03/31/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 03/25/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/26/2015	Telephone: 518-402-9622
Date Made Active in Reports: 04/07/2015	Last EDR Contact: 03/26/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ SHWS: Known Contaminated Sites in New Jersey

The Known Contaminated Sites in New Jersey includes sites under the purview of the Site Remediation Program which have contamination present at levels greater than the applicable cleanup criteria for soil and/or groundwater standards. The sites appearing in Known Contaminated Sites in New Jersey are classified as either active, where the site is assigned to a specific remedial program area, or pending, where the site is awaiting assignment to a specific remedial program area. Sites where no further action (NFA) designation has been given are not included in this report unless there are other areas of identified contamination which have not been remediated. This report includes sites being remediated under all of the various regulatory programs administered by the Site Remediation Program such as: Federal Superfund Program, Federal Resource Conservation and Recovery Act (RCRA), New Jersey's Industrial Site Recovery Act (ISRA), New Jersey's Underground Storage of Hazardous Substances Act, New Jersey's Spill Compensation and Control Act, New Jersey's Solid Waste Management Act, New Jersey's Water Pollution Control Act.

Date of Government Version: 03/02/2015	Source: New Jersey Department of Environmental Protection
Date Data Arrived at EDR: 03/04/2015	Telephone: 609-292-8761
Date Made Active in Reports: 03/19/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

## NY VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 11/01/2014	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/19/2014	Telephone: 518-402-9814
Date Made Active in Reports: 01/12/2015	Last EDR Contact: 02/20/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## ***State and tribal landfill and/or solid waste disposal site lists***

### NY SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/08/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/10/2015	Telephone: 518-457-2051
Date Made Active in Reports: 04/30/2015	Last EDR Contact: 04/06/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Semi-Annually

### NJ SWF/LF: Solid Waste Facility Directory

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2014	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/04/2015	Telephone: 609-984-6741
Date Made Active in Reports: 02/25/2015	Last EDR Contact: 05/06/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NY LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 03/19/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/19/2015	Telephone: 518-402-9549
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/19/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

### NY HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6271
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/10/2015	Telephone: 214-665-6597
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/03/2015
Number of Days to Update: 184	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-8677
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-7439
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

NY TANKS: Storage Tank Facility Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/30/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/01/2015	Telephone: 518-402-9543
Date Made Active in Reports: 04/15/2015	Last EDR Contact: 04/01/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Quarterly

NY UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/30/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/01/2015	Telephone: 518-402-9549
Date Made Active in Reports: 04/15/2015	Last EDR Contact: 04/01/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: No Update Planned

NJ UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/22/2014  
Date Data Arrived at EDR: 12/18/2014  
Date Made Active in Reports: 01/22/2015  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 609-341-3121  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Varies

## NY CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 10/24/2005  
Next Scheduled EDR Contact: 01/23/2006  
Data Release Frequency: No Update Planned

## NY MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## NY AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/30/2015  
Date Data Arrived at EDR: 04/01/2015  
Date Made Active in Reports: 04/15/2015  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 04/01/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: No Update Planned

## NY CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## NY MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## NY MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/30/2015  
Date Data Arrived at EDR: 04/01/2015  
Date Made Active in Reports: 04/15/2015  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 04/01/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/30/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/01/2015	Telephone: 518-402-9549
Date Made Active in Reports: 04/15/2015	Last EDR Contact: 04/01/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Quarterly

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 04/28/2015
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6137
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/13/2015	Telephone: 214-665-7591
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-6136
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/13/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### NY ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 03/25/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/26/2015	Telephone: 518-402-9553
Date Made Active in Reports: 04/07/2015	Last EDR Contact: 03/26/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

### NJ ENG CONTROLS: Declaration Environmental Restriction/Deed Notice Sites

Legal Document that restricts the use of contaminated property; holds owner(s) to the regulatory/statutory requirements for cleanup.

Date of Government Version: 12/03/2014	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/31/2014	Telephone: 609-341-3121
Date Made Active in Reports: 01/22/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 03/25/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/26/2015	Telephone: 518-402-9553
Date Made Active in Reports: 04/07/2015	Last EDR Contact: 03/26/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

## NJ INST CONTROL: Classification Exception Area Sites

A Classification Exception Area is an institutional control providing notice that ground water contamination exists in a particular location above State standards.

Date of Government Version: 12/03/2014	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/31/2014	Telephone: 609-341-3121
Date Made Active in Reports: 01/22/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 22	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

## NY ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 03/06/2015	Source: New York City Department of City Planning
Date Data Arrived at EDR: 03/27/2015	Telephone: 212-720-3300
Date Made Active in Reports: 04/23/2015	Last EDR Contact: 03/24/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Varies

## NY RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010	Source: NYC Department of City Planning
Date Data Arrived at EDR: 06/30/2014	Telephone: 212-720-3401
Date Made Active in Reports: 07/21/2014	Last EDR Contact: 03/27/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### NY VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 03/25/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/26/2015	Telephone: 518-402-9711
Date Made Active in Reports: 04/08/2015	Last EDR Contact: 03/26/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Semi-Annually

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## NJ VCP: Voluntary Cleanup Program Sites

Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

Date of Government Version: 08/17/2013  
Date Data Arrived at EDR: 11/27/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 44

Source: Department of Environmental Protection  
Telephone: 609-341-3121  
Last EDR Contact: 04/02/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Varies

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014  
Date Data Arrived at EDR: 10/01/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 36

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 04/02/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### NY ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 03/25/2015  
Date Data Arrived at EDR: 03/26/2015  
Date Made Active in Reports: 04/07/2015  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 03/26/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Quarterly

### NY BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 03/25/2015  
Date Data Arrived at EDR: 03/26/2015  
Date Made Active in Reports: 04/07/2015  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-9764  
Last EDR Contact: 03/26/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Semi-Annually

### NJ BROWNFIELDS: Brownfields Database

Brownfields are identified as former or current commercial or industrial use sites that are presently vacant or underutilized, on which there is suspected to have been a discharge of a contamination to the soil or groundwater at concentrations greater than applicable cleanup criteria.

Date of Government Version: 12/03/2012  
Date Data Arrived at EDR: 02/27/2013  
Date Made Active in Reports: 04/05/2013  
Number of Days to Update: 37

Source: Department of Environmental Protection  
Telephone: 609-292-1251  
Last EDR Contact: 05/12/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/22/2014	Telephone: 202-566-2777
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/24/2015
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/23/2015
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: No Update Planned

#### NY SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/15/2006	Telephone: 518-402-8694
Date Made Active in Reports: 11/30/2006	Last EDR Contact: 04/15/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Annually

#### NY SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 04/08/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/10/2015	Telephone: 518-402-8705
Date Made Active in Reports: 04/30/2015	Last EDR Contact: 04/06/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ SWRCY: Approved Class B Recycling Facilities

"Class B recyclable material" means a source separated recyclable material which is subject to Department approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99.34b.

Date of Government Version: 12/31/2014	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/04/2015	Telephone: 609-984-6650
Date Made Active in Reports: 02/23/2015	Last EDR Contact: 05/06/2015
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/01/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

### **Local Lists of Hazardous waste / Contaminated Sites**

#### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/03/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Quarterly

#### NY DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 03/25/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/26/2015	Telephone: 518-402-9622
Date Made Active in Reports: 04/08/2015	Last EDR Contact: 03/26/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Annually

#### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/03/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: No Update Planned

### **Local Lists of Registered Storage Tanks**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 07/20/2006  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 10/23/2006  
Next Scheduled EDR Contact: 01/22/2007  
Data Release Frequency: Varies

## NY HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 07/20/2006  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 10/23/2006  
Next Scheduled EDR Contact: 01/22/2007  
Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Varies

### NY LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 02/09/2015  
Date Data Arrived at EDR: 02/12/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 15

Source: Office of the State Comptroller  
Telephone: 518-474-9034  
Last EDR Contact: 05/08/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Varies

### NJ LIENS: Environmental LIENS

A listing of properties with environmental liens. The listing includes sites from the Site Remediation & Waste Management Program Sites where the Department has placed either a 1st Priority or Regular Spill Fund Lien against. 1st Priority Type Lien - a lien placed against the property where the discharge occurred providing that the owners of the property have some responsibility towards the discharge. First Priority Lien is superior to other types of liens. Non-Priority (Regular) Type Lien - a lien placed against the Responsible Party & their revenues and all real and personal property, other than the real property comprising the location of the discharge.

Date of Government Version: 03/26/2015  
Date Data Arrived at EDR: 03/27/2015  
Date Made Active in Reports: 04/06/2015  
Number of Days to Update: 10

Source: Department of Environmental Protection  
Telephone: 609-341-3121  
Last EDR Contact: 05/14/2015  
Next Scheduled EDR Contact: 08/31/2015  
Data Release Frequency: Varies

## **Records of Emergency Release Reports**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/30/2014	Telephone: 202-366-4555
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## NY SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 03/19/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/19/2015	Telephone: 518-402-9549
Date Made Active in Reports: 03/26/2015	Last EDR Contact: 03/19/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## NY HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NY SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/12/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NY SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/07/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## NJ SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/15/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/11/2013  
Number of Days to Update: 39

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## NJ SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/02/1997  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 05/05/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/23/2015	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/13/2015	Telephone: Varies
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 03/30/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 03/10/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/27/2015
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 12/31/2014	Telephone: 303-231-5959
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/06/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 01/29/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Every 4 Years

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/10/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/17/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/29/2014	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 01/08/2015	Telephone: 301-415-7169
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 02/27/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2015	Telephone: 202-343-9775
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015	Source: EPA
Date Data Arrived at EDR: 02/27/2015	Telephone: (212) 637-3000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 02/26/2013  
Date Made Active in Reports: 04/19/2013  
Number of Days to Update: 52

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/24/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Biennially

### NY HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003  
Date Data Arrived at EDR: 10/20/2006  
Date Made Active in Reports: 11/30/2006  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9564  
Last EDR Contact: 05/26/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: No Update Planned

### NY UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/11/2015  
Date Made Active in Reports: 03/20/2015  
Number of Days to Update: 9

Source: Department of Environmental Conservation  
Telephone: 518-402-8056  
Last EDR Contact: 03/11/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/09/2009  
Date Data Arrived at EDR: 02/25/2009  
Date Made Active in Reports: 03/11/2009  
Number of Days to Update: 14

Source: Department of Environmental Protection  
Telephone: 609-292-0407  
Last EDR Contact: 05/01/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2015  
Date Data Arrived at EDR: 02/04/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Annually

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Annually

## NY DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 01/12/2015  
Date Data Arrived at EDR: 01/13/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 16

Source: Department of Environmental Conservation  
Telephone: 518-402-8403  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 03/30/2015  
Data Release Frequency: Varies

## NJ DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 12/03/2014  
Date Data Arrived at EDR: 12/05/2014  
Date Made Active in Reports: 01/26/2015  
Number of Days to Update: 52

Source: Department of Environmental Protection  
Telephone: 609-292-2795  
Last EDR Contact: 05/12/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Varies

## NY SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/06/2014  
Date Data Arrived at EDR: 11/07/2014  
Date Made Active in Reports: 11/25/2014  
Number of Days to Update: 18

Source: Department of Environmental Conservation  
Telephone: 518-402-8233  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJPDES: New Jersey Pollutant Discharge Elimination System Dischargers

The NJPDES contains the names, addresses and other information of all permitted New Jersey Pollutant Discharge Elimination System dischargers.

Date of Government Version: 02/16/2015  
Date Data Arrived at EDR: 02/17/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 17

Source: Department of Environmental Protection  
Telephone: 609-984-4428  
Last EDR Contact: 02/17/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Varies

## NY AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 02/24/2015  
Date Data Arrived at EDR: 03/20/2015  
Date Made Active in Reports: 04/15/2015  
Number of Days to Update: 26

Source: Department of Environmental Conservation  
Telephone: 518-402-8452  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Annually

## NJ AIRS: Emissions Inventory Listing

An emission inventory is an estimate of air pollutant emissions in a given area. Emission inventories are fundamental building blocks used to develop air quality control strategies on a local, regional and national level. Emission inventories are also used to estimate the progress of an air quality program.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 08/07/2014  
Date Made Active in Reports: 08/18/2014  
Number of Days to Update: 11

Source: Department of Environmental Protection  
Telephone: 609-984-5483  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## NY E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/17/2015  
Date Data Arrived at EDR: 03/27/2015  
Date Made Active in Reports: 04/23/2015  
Number of Days to Update: 27

Source: New York City Department of City Planning  
Telephone: 718-595-6658  
Last EDR Contact: 03/24/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 02/18/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Varies

## NY Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/01/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-8712  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Varies

## NY COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 04/08/2015  
Date Data Arrived at EDR: 04/10/2015  
Date Made Active in Reports: 05/11/2015  
Number of Days to Update: 31

Source: Department of Environmental Conservation  
Telephone: 518-402-8660  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Varies

## NY Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 04/07/2015  
Date Data Arrived at EDR: 04/09/2015  
Date Made Active in Reports: 05/11/2015  
Number of Days to Update: 32

Source: Department of Environmental Conservation  
Telephone: 518-402-8660  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: Quarterly

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 05/14/2015  
Next Scheduled EDR Contact: 08/31/2015  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/07/2015  
Next Scheduled EDR Contact: 08/24/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 05/14/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/14/2015
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2015
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: N/A

## NJ Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 11/07/2014	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/18/2014	Telephone: 609-341-3121
Date Made Active in Reports: 01/22/2015	Last EDR Contact: 04/30/2015
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/01/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/13/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/15/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Varies

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014	Source: EPA
Date Data Arrived at EDR: 10/31/2014	Telephone: 202-564-2496
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 03/30/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

## NJ COAL ASH: Coal Ash Listing

Coal combustion survey ash listing.

Date of Government Version: 05/10/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/12/2010	Telephone: 609-984-6985
Date Made Active in Reports: 06/28/2010	Last EDR Contact: 05/04/2015
Number of Days to Update: 47	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### NY RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: Department of Environmental Conservation  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## NY RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 193

Source: Department of Environmental Conservation  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## NJ RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Jersey Department of Environmental Protection in New Jersey.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 193

Source: New Jersey Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## NJ RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Jersey Department of Environmental Protection in New Jersey.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/24/2013  
Number of Days to Update: 176

Source: New Jersey Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### CORTLAND COUNTY:

#### Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 02/18/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 10

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Quarterly

#### Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 02/18/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 10

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Quarterly

### NASSAU COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013  
Date Data Arrived at EDR: 11/22/2013  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 81

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: No Update Planned

## Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011  
Date Data Arrived at EDR: 02/23/2011  
Date Made Active in Reports: 03/29/2011  
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013  
Date Data Arrived at EDR: 11/22/2013  
Date Made Active in Reports: 02/11/2014  
Number of Days to Update: 81

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 04/06/2015  
Next Scheduled EDR Contact: 07/20/2015  
Data Release Frequency: No Update Planned

## Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011  
Date Data Arrived at EDR: 02/23/2011  
Date Made Active in Reports: 03/29/2011  
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## ROCKLAND COUNTY:

### Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 12/15/2014  
Date Data Arrived at EDR: 12/18/2014  
Date Made Active in Reports: 01/13/2015  
Number of Days to Update: 26

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

### Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 12/15/2014  
Date Data Arrived at EDR: 12/18/2014  
Date Made Active in Reports: 01/13/2015  
Number of Days to Update: 26

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 03/23/2015  
Next Scheduled EDR Contact: 06/22/2015  
Data Release Frequency: Quarterly

## SUFFOLK COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/23/2015  
Number of Days to Update: 13

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: No Update Planned

## Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/23/2015  
Number of Days to Update: 13

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: No Update Planned

## WESTCHESTER COUNTY:

### Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014  
Date Data Arrived at EDR: 12/12/2014  
Date Made Active in Reports: 01/13/2015  
Number of Days to Update: 32

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

### Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014  
Date Data Arrived at EDR: 12/12/2014  
Date Made Active in Reports: 01/13/2015  
Number of Days to Update: 32

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 05/04/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
Date Data Arrived at EDR: 08/19/2013  
Date Made Active in Reports: 10/03/2013  
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/17/2014  
Next Scheduled EDR Contact: 03/02/2015  
Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: Annually

PA MANIFEST: Manifest Information  
Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/21/2014  
Date Made Active in Reports: 08/25/2014  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/16/2015  
Next Scheduled EDR Contact: 08/03/2015  
Data Release Frequency: Annually

RI MANIFEST: Manifest information  
Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/15/2014  
Date Made Active in Reports: 08/13/2014  
Number of Days to Update: 29

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data  
Hazardous waste manifest information.

Date of Government Version: 12/22/2014  
Date Data Arrived at EDR: 02/06/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 21

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 04/17/2015  
Next Scheduled EDR Contact: 08/03/2015  
Data Release Frequency: Annually

WI MANIFEST: Manifest Information  
Hazardous waste manifest information.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 03/19/2015  
Date Made Active in Reports: 04/07/2015  
Number of Days to Update: 19

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 03/13/2015  
Next Scheduled EDR Contact: 06/29/2015  
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

#### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

#### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

103-107 AND 143-159 WEST 108TH STREET  
103-107 AND 143-159 WEST 108TH STREET  
NEW YORK, NY 10025

### **TARGET PROPERTY COORDINATES**

Latitude (North):	40.8013 - 40° 48' 4.68"
Longitude (West):	73.9636 - 73° 57' 48.96"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587427.1
UTM Y (Meters):	4517005.0
Elevation:	92 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

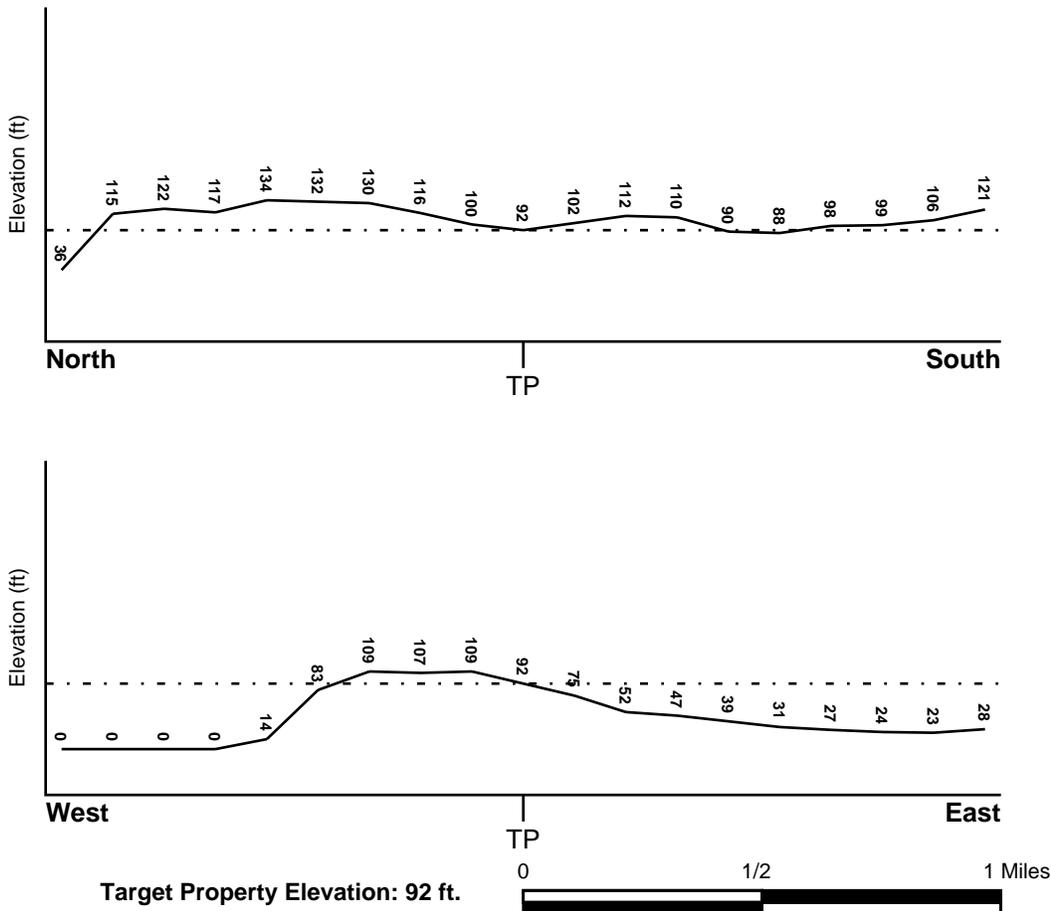
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

Target Property County  
NEW YORK, NY

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3604970025B - FEMA Q3 Flood data

Additional Panels in search area:  
34003C - FEMA DFIRM Flood data  
3604970019B - FEMA Q3 Flood data  
3604970020B - FEMA Q3 Flood data  
3604970026B - FEMA Q3 Flood data

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
CENTRAL PARK

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius: 1.25 miles  
Status: Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Ordovician  
Series: Lower Ordovician and Cambrian carbonate rocks  
Code: OC (*decoded above as Era, System & Series*)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Surficial Soil Types: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock  
very gravelly - loamy sand  
stratified  
sandy loam

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000833113	1/2 - 1 Mile ESE
3	USGS40000832854	1/2 - 1 Mile South
4	USGS40000833437	1/2 - 1 Mile NE
5	USGS40000833474	1/2 - 1 Mile NE
A6	USGS40000833540	1/2 - 1 Mile NE
A7	USGS40000833560	1/2 - 1 Mile NNE
B8	USGS40000833388	1/2 - 1 Mile ENE
B9	USGS40000833389	1/2 - 1 Mile ENE
B10	USGS40000833390	1/2 - 1 Mile ENE
C11	USGS40000833596	1/2 - 1 Mile NNE
C12	USGS40000833597	1/2 - 1 Mile NNE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NY0002720	1/2 - 1 Mile SSW

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

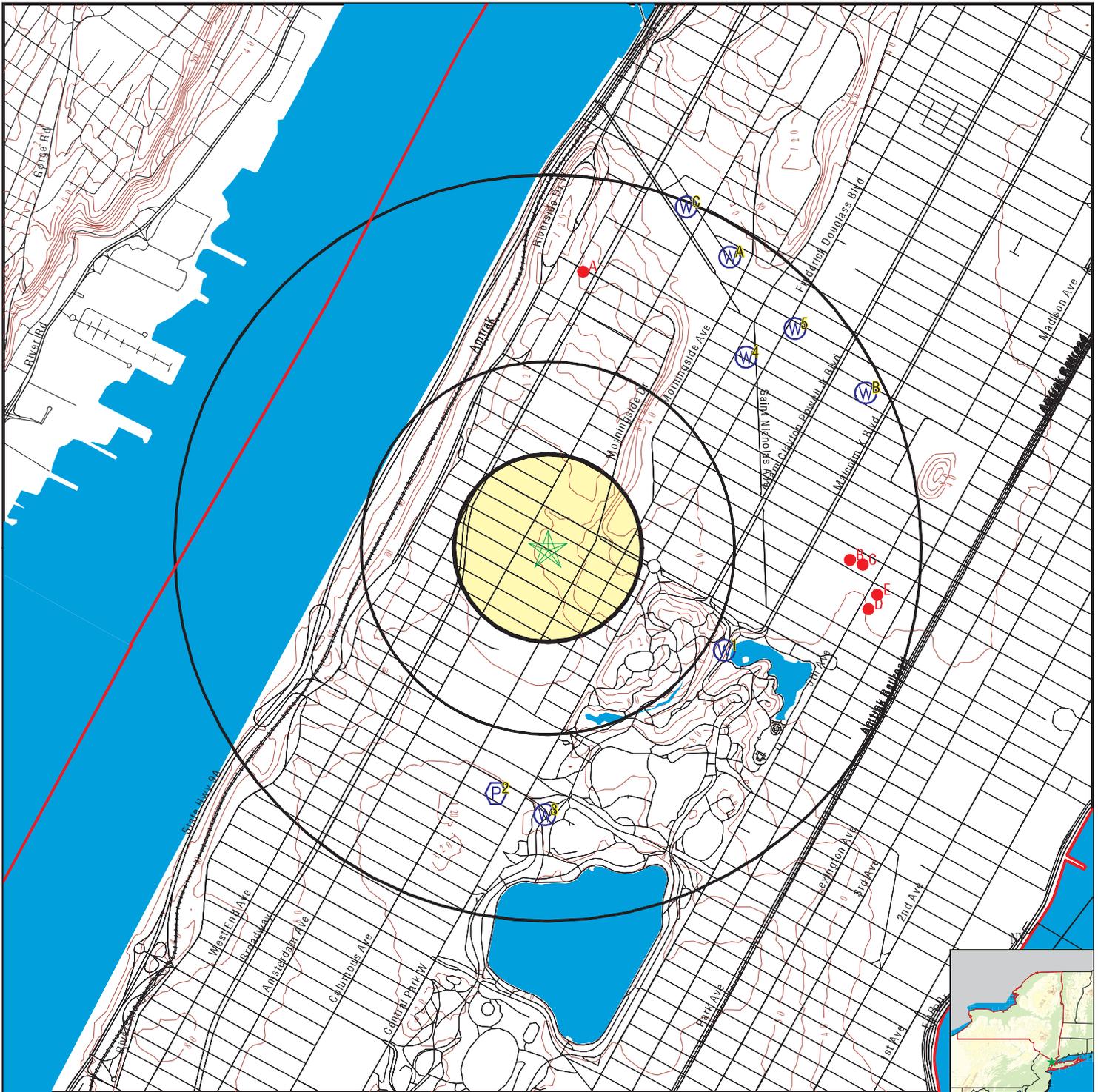
MAP ID	WELL ID	LOCATION FROM TP
A1	NYOG70000000206	1/2 - 1 Mile North
A2	NYOG70000000207	1/2 - 1 Mile North
A3	NYOG70000000208	1/2 - 1 Mile North
A4	NYOG70000000209	1/2 - 1 Mile North
A5	NYOG70000000210	1/2 - 1 Mile North
B6	NYOG70000000199	1/2 - 1 Mile East
B7	NYOG70000000205	1/2 - 1 Mile East
B8	NYOG70000000202	1/2 - 1 Mile East
B9	NYOG70000000196	1/2 - 1 Mile East
B10	NYOG70000000204	1/2 - 1 Mile East
B11	NYOG70000000200	1/2 - 1 Mile East
B12	NYOG70000000193	1/2 - 1 Mile East
C13	NYOG70000000197	1/2 - 1 Mile East
C14	NYOG70000000203	1/2 - 1 Mile East
C15	NYOG70000000190	1/2 - 1 Mile East
C16	NYOG70000000201	1/2 - 1 Mile East
C17	NYOG70000000188	1/2 - 1 Mile East
C18	NYOG70000000194	1/2 - 1 Mile East
C19	NYOG70000000198	1/2 - 1 Mile East
C20	NYOG70000000187	1/2 - 1 Mile East

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C21	NYOG70000000191	1/2 - 1 Mile East
C22	NYOG70000000195	1/2 - 1 Mile East
C23	NYOG70000000189	1/2 - 1 Mile East
C24	NYOG70000000186	1/2 - 1 Mile East
C25	NYOG70000000192	1/2 - 1 Mile East
D26	NYOG70000000179	1/2 - 1 Mile ESE
E27	NYOG70000000185	1/2 - 1 Mile East
E28	NYOG70000000184	1/2 - 1 Mile East
D29	NYOG70000000180	1/2 - 1 Mile East
E30	NYOG70000000182	1/2 - 1 Mile East
E31	NYOG70000000183	1/2 - 1 Mile East
E32	NYOG70000000181	1/2 - 1 Mile East

# PHYSICAL SETTING SOURCE MAP - 4298005.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 103-107 and 143-159 West 108th Street  
 ADDRESS: 103-107 and 143-159 West 108th Street  
 New York NY 10025  
 LAT/LONG: 40.8013 / 73.9636

CLIENT: AKRF, Inc.  
 CONTACT: Elizabeth Matamoros  
 INQUIRY #: 4298005.2s  
 DATE: May 18, 2015 12:07 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**ESE**      **FED USGS**      **USGS40000833113**  
**1/2 - 1 Mile**  
**Lower**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404750073571801		
Monloc name:	NY 250. 1		
Monloc type:	Well		
Monloc desc:	CENTRAL PARK HARLEN MEEK SITE		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7973232
Longitude:	-73.9545824	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	27
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20050622	Welldepth:	75
Welldepth units:	ft	Wellholedepth:	75
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**2**  
**SSW**      **FRDS PWS**      **NY0002720**  
**1/2 - 1 Mile**  
**Higher**

PWS ID: NY0002720  
 Date Initiated: Not Reported      Date Deactivated: Not Reported  
 PWS Name: CAMP HILLEL, LTD.  
 SWAN LAKE, NY 12778

Addressee / Facility: System Owner/Responsible Party  
 LIMITED CAMP HILLEL H  
 CAMP HILLEL LTD  
 60 MCLEAN AVENUE-SUITE200  
 YONKERS, NY 10705

Addressee / Facility: System Owner/Responsible Party  
 LIMITED CAMP HILLEL H  
 CAMP HILLEL LTD  
 60 MCLEAN AVENUE-SUITE200  
 YONKERS, NY 10705

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 47 30	Facility Longitude:	073 58 00
City Served:	BETHEL (T)	Population:	Not Reported
Treatment Class	Not Reported		

Violations information not reported.

**3**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000832854**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404727073575101		
Monloc name:	NY 251. 1		
Monloc type:	Well		
Monloc desc:	CENTRAL PARK WEST WELL NEAR W.96TH ENTRANCE		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7909344
Longitude:	-73.9637493	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	99.5
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20050623	Welldepth:	32.3
Welldepth units:	ft	Wellholedepth:	32.3
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**4**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833437**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404831073571401		
Monloc name:	NY 52		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8087119
Longitude:	-73.9534712	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	70
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**5**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833474**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404835073570501		
Monloc name:	NY 84		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.809823
Longitude:	-73.9509711	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	30
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A6**  
**NE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833540**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404844073571501		
Monloc name:	NY 158		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8123229
Longitude:	-73.953749	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	90
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A7**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833560**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404846073571901		
Monloc name:	NY 91		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8128785
Longitude:	-73.9548601	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	75
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B8**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833388**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404826073565201		
Monloc name:	NY 85		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.807323
Longitude:	-73.9473599	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	150
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B9**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833389**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404826073565202		
Monloc name:	NY 86		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.807323
Longitude:	-73.9473599	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B10**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833390**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404826073565203		
Monloc name:	NY 87		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.807323
Longitude:	-73.9473599	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	Not Reported		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C11**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833596**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404852073572501		
Monloc name:	NY 89		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8145451
Longitude:	-73.9565268	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C12**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000833597**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404852073572502		
Monloc name:	NY 90		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.8145451
Longitude:	-73.9565268	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported  
Construction date: Not Reported  
Welldepth units: ft  
Wellholedepth units: Not Reported

Welldepth: 35  
Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**A1**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000206**

Api wellno:	31061237800000	Cnty:	New York
Hole:	23780	Sidetck:	0
Completion:	0		
Well nm:	W-4		
Coname:	Columbia University		
Opno:	2439		
Dt approv:	07-MAY-08	Dt spud:	28-AUG-08
Dt comp:	25-JUN-09	Well typ:	Geothermal
Dtd:	1800		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.96153		
Yloc:	40.81193		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	D
Deepestfor:	Not Applicable	Elevation:	98
Dt mod:	10-MAR-11	Site id:	NYOG70000000206

**A2**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000207**

Api wellno:	31061237790000	Cnty:	New York
Hole:	23779	Sidetck:	0
Completion:	0		
Well nm:	W-3		
Coname:	Columbia University		
Opno:	2439		
Dt approv:	07-MAY-08	Dt spud:	22-SEP-08
Dt comp:	25-JUN-09	Well typ:	Geothermal
Dtd:	1800		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.96166		
Yloc:	40.812		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	D
Deepestfor:	Not Applicable	Elevation:	102
Dt mod:	10-MAR-11	Site id:	NYOG70000000207

**A3**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000208**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31061237780000	Cnty:	New York
Hole:	23778	Sidetrck:	0
Completion:	0		
Well nm:	W-2		
Coname:	Columbia University		
Opno:	2439		
Dt approv:	07-MAY-08	Dt spud:	17-OCT-08
Dt comp:	25-JUN-09	Well typ:	Geothermal
Dtd:	1800		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.96192		
Yloc:	40.81203		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	D
Deepestfor:	Not Applicable	Elevation:	109
Dt mod:	10-MAR-11	Site id:	NYOG70000000208

**A4  
North  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000209**

Api wellno:	31061237770000	Cnty:	New York
Hole:	23777	Sidetrck:	0
Completion:	0		
Well nm:	W-1		
Coname:	Columbia University		
Opno:	2439		
Dt approv:	07-MAY-08	Dt spud:	25-JUN-08
Dt comp:	05-AUG-08	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.96196		
Yloc:	40.8121		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	D
Deepestfor:	Confidential	Elevation:	111
Dt mod:	03-NOV-08	Site id:	NYOG70000000209

**A5  
North  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000210**

Api wellno:	31061237770001	Cnty:	New York
Hole:	23777	Sidetrck:	0
Completion:	1		
Well nm:	W-1		
Coname:	Columbia University		
Opno:	2439		
Dt approv:	06-NOV-08	Dt spud:	14-NOV-08
Dt comp:	25-JUN-09	Well typ:	Geothermal
Dtd:	1800		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Xloc:	-73.96196		
Yloc:	40.8121		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	D
Deepestfor:	Not Applicable	Elevation:	111
Dt mod:	10-MAR-11	Site id:	NYOG70000000210

---

**B6**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000199**

Api wellno:	31061236280000	Cnty:	New York
Hole:	23628	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-1		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94921		
Yloc:	40.8008		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000199

---

**B7**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000205**

Api wellno:	31061236290000	Cnty:	New York
Hole:	23629	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-2		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94807		
Yloc:	40.801		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000205

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**B8**  
East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000202

Api wellno:	31061236300000	Cnty:	New York
Hole:	23630	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-3		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94807		
Yloc:	40.80087		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	23
Dt mod:	08-SEP-08	Site id:	NYOG70000000202

**B9**  
East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000196

Api wellno:	31061236310000	Cnty:	New York
Hole:	23631	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-4		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94807		
Yloc:	40.80075		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	23
Dt mod:	08-SEP-08	Site id:	NYOG70000000196

**B10**  
East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000204

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31061236320000	Cnty:	New York
Hole:	23632	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-5		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94793		
Yloc:	40.80094		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	21
Dt mod:	08-SEP-08	Site id:	NYOG70000000204

---

**B11  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000200**

Api wellno:	31061236330000	Cnty:	New York
Hole:	23633	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-6		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94793		
Yloc:	40.80081		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000200

---

**B12  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000193**

Api wellno:	31061236340000	Cnty:	New York
Hole:	23634	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-7		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Xloc:	-73.94791		
Yloc:	40.80068		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000193

---

**C13**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000197**

Api wellno:	31061236360000	Cnty:	New York
Hole:	23636	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-9		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94778		
Yloc:	40.80076		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	23
Dt mod:	08-SEP-08	Site id:	NYOG70000000197

---

**C14**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000203**

Api wellno:	31061236350000	Cnty:	New York
Hole:	23635	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-8		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94777		
Yloc:	40.80087		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000203

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**C15**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000190**

Api wellno:	31061236370000	Cnty:	New York
Hole:	23637	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-10		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94776		
Yloc:	40.80062		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000190

**C16**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000201**

Api wellno:	31061236380000	Cnty:	New York
Hole:	23638	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-11		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	25-AUG-05
Dt comp:	08-SEP-05	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94762		
Yloc:	40.80082		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000201

**C17**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000188**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31061236400000	Cnty:	New York
Hole:	23640	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-13		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94762		
Yloc:	40.80056		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	19
Dt mod:	08-SEP-08	Site id:	NYOG70000000188

---

**C18  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000194**

Api wellno:	31061236390000	Cnty:	New York
Hole:	23639	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-12		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.9476		
Yloc:	40.80068		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000194

---

**C19  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000198**

Api wellno:	31061236410000	Cnty:	New York
Hole:	23641	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-14		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Xloc:	-73.94748		
Yloc:	40.80076		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000198

---

**C20**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000187**

Api wellno:	31061236430000	Cnty:	New York
Hole:	23643	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-16		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94747		
Yloc:	40.8005		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000187

---

**C21**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000191**

Api wellno:	31061236420000	Cnty:	New York
Hole:	23642	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-15		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94746		
Yloc:	40.80062		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	21
Dt mod:	08-SEP-08	Site id:	NYOG70000000191

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**C22**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000195**

Api wellno:	31061236440000	Cnty:	New York
Hole:	23644	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-17		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94734		
Yloc:	40.8007		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	20
Dt mod:	08-SEP-08	Site id:	NYOG70000000195

**C23**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000189**

Api wellno:	31061236450000	Cnty:	New York
Hole:	23645	Sidetck:	0
Completion:	0		
Well nm:	Kalahari K-18		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94732		
Yloc:	40.80056		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	21
Dt mod:	08-SEP-08	Site id:	NYOG70000000189

**C24**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS NYOG70000000186**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31061236460000	Cnty:	New York
Hole:	23646	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-19		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94733		
Yloc:	40.80044		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	22
Dt mod:	08-SEP-08	Site id:	NYOG70000000186

---

**C25  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000192**

Api wellno:	31061236470000	Cnty:	New York
Hole:	23647	Sidetrck:	0
Completion:	0		
Well nm:	Kalahari K-20		
Coname:	FSLM Associates LLC		
Opno:	2260		
Dt approv:	24-JUN-05	Dt spud:	16-FEB-06
Dt comp:	12-APR-06	Well typ:	Confidential
Dtd:	0		
WI status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.94719		
Yloc:	40.80064		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Confidential	Elevation:	20
Dt mod:	08-SEP-08	Site id:	NYOG70000000192

---

**D26  
ESE  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000179**

Api wellno:	31061210910000	Cnty:	New York
Hole:	21091	Sidetrck:	0
Completion:	0		
Well nm:	P-9		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	07-JAN-05	Dt spud:	22-FEB-05
Dt comp:	01-APR-05	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Xloc:	-73.94753		
Yloc:	40.79854		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Not Applicable	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000179

---

**E27**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000185**

Api wellno:	31061210720000	Cnty:	New York
Hole:	21072	Sidetrck:	0
Completion:	0		
Well nm:	P-2		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	17-MAR-04	Dt spud:	06-MAY-04
Dt comp:	06-AUG-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94721		
Yloc:	40.79957		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Fordham Gneiss	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000185

---

**E28**  
**East**  
**1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000184**

Api wellno:	31061210750000	Cnty:	New York
Hole:	21075	Sidetrck:	0
Completion:	0		
Well nm:	P-7		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	04-MAY-04	Dt spud:	17-AUG-04
Dt comp:	26-OCT-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94695		
Yloc:	40.79955		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Fordham Gneiss	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000184

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**D29**

East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000180

Api wellno:	31061210740000	Cnty:	New York
Hole:	21074	Sidetrck:	0
Completion:	0		
Well nm:	P-6		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	17-MAR-04	Dt spud:	13-MAY-04
Dt comp:	06-AUG-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94692		
Yloc:	40.79931		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Not Applicable	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000180

**E30**

East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000182

Api wellno:	31061210730000	Cnty:	New York
Hole:	21073	Sidetrck:	0
Completion:	0		
Well nm:	P-4		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	17-MAR-04	Dt spud:	13-MAY-04
Dt comp:	06-AUG-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94684		
Yloc:	40.79944		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Fordham Gneiss	Elevation:	21
Dt mod:	08-JUL-09	Site id:	NYOG70000000182

**E31**

East  
1/2 - 1 Mile

OIL\_GAS NYOG70000000183

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Api wellno:	31061210760000	Cnty:	New York
Hole:	21076	Sidetrck:	0
Completion:	0		
Well nm:	P-8		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	04-MAY-04	Dt spud:	17-AUG-04
Dt comp:	26-OCT-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94653		
Yloc:	40.79947		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Fordham Gneiss	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000183

**E32  
East  
1/2 - 1 Mile**

**OIL\_GAS      NYOG70000000181**

Api wellno:	31061210710000	Cnty:	New York
Hole:	21071	Sidetrck:	0
Completion:	0		
Well nm:	P-1		
Coname:	The 1400 5th LLC		
Opno:	2184		
Dt approv:	17-MAR-04	Dt spud:	22-JUN-04
Dt comp:	06-AUG-04	Well typ:	Geothermal
Dtd:	1550		
WI status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.94634		
Yloc:	40.79939		
Confid:	Released		
Wellst:	Other Well		
Quad:	Central Park	Quadsec:	E
Deepestfor:	Fordham Gneiss	Elevation:	20
Dt mod:	08-JUL-09	Site id:	NYOG70000000181

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: NY Radon

### Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
NEW YORK	NYC (BRONX)	91	1.59	0.85	16
NEW YORK	NYC (KINGS)	416	1.93	1.19	28.2
NEW YORK	NYC (NEW YORK)	108	2.15	0.98	49.5
NEW YORK	NYC (QUEENS)	501	1.24	0.77	23.8
NEW YORK	NYC (RICHMOND)	225	1.44	0.76	14.1

Federal EPA Radon Zone for NEW YORK County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for NEW YORK COUNTY, NY

Number of sites tested: 31

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.690 pCi/L	90%	10%	0%
Basement	1.490 pCi/L	81%	19%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## OTHER STATE DATABASE INFORMATION

### RADON

#### State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX G**  
**SUPPORTING DOCUMENTATION**

**NYS Department of Environmental Conservation**

Office of General Counsel

625 Broadway, Albany, New York 12233-1500

(518) 402-9018 (Fax)

**FOIL Request No. 15-1953**

6/4/2015

**Joe Martens  
Commissioner**

Ms. Elizabeth Matamoros

AKRF Inc.

34 South Broadway Suite 401

White Plains, NY 10601-

Dear Ms. Matamoros:

This is to acknowledge receipt of your Freedom of Information Law request seeking records regarding: **103-107 and 143-158 West 108th Street, New York, NY 10025.**

I have referred your request to the following Records Custodian(s) / Freedom of Information Law Coordinator(s) who may possess the records you are requesting:

Dr. Fawzy Abdelsadek - Region 2  
2 Hunters Point Plaza 4740 21st Street  
Long Island City, NY 11101-5407 (718) 482-4507

You may expect a response to your request by **7/2/2015.**

If I can be of further assistance, please contact me at (518) 402-9522 . Refer to request number **15-1953** , if you write or call.

Sincerely,



Ruth L. Earl  
Records Access Officer



June 2, 2015

*Emily Lloyd*  
*Commissioner*

Elizabeth Matamoros  
AKRF, Inc.  
34 South Broadway, Suite 401  
White Plains, NY 10601

Michael Gilsean  
Assistant Commissioner  
Environmental Compliance

59-17 Junction Boulevard  
Flushing, NY 11373

Dear Ms. Matamoros:

In response to your Freedom of Information Law information request of 5/28/2015, the Division of Air/Noise Enforcement and Policy has searched its files for records pertaining to 103 West 108 Street and:

Has located and enclosed the requested documents.

A total of \_\_\_\_\_ pages of materials have been located, for which we are required to charge a fee of \$.25 per page. Please send your check, in the amount of \$\_\_\_\_\_, to:

Records Access Officer  
NYC Department of Environmental Protection  
59-17 Junction Boulevard, 19<sup>th</sup> Floor  
Flushing, NY 11373

The check should be made payable to **The City of New York** and include the Log # noted below.

Upon receipt of the check, copies of these records will be sent to you.

Does not have the requested documents.

Sincerely,

Geraldine Kelpin  
Director, Air/Noise Enforcement &  
Policy

Log # 135788



June 2, 2015

**Emily Lloyd**  
Commissioner

**John Rousakis**  
General Counsel

**Brenda Farren**  
Records Access Officer

59-17 Junction Blvd.  
Flushing, NY 11373

Tel. (718) 595-3448  
Fax (718) 595-6543  
Foil2@dep.nyc.gov

Ms. Elizabeth Matamoros  
AKRF, Inc.  
34 South Broadway, Suite 401  
White Plains, NY 10601

Dear Ms. Matamoros:

Re: 103-107 and 143-159 West 108<sup>th</sup> Street, Manhattan

We hereby acknowledge receipt of your **Freedom of Information Law** request dated May 28, 2015.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests, your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the **FOIL log number(s)** listed below when calling.

Sincerely,

A handwritten signature in black ink that reads 'Brenda Farren'.

Brenda Farren  
FOIL Access Officer

**FOIL log #(s) 135787, 135788, 135789, 135790**

## Potential Brownfields

### *Site A: 103 West 108th Street*

Located at 103 West 108<sup>th</sup> between Columbus and Amsterdam Avenues this site is a total of 7,569 square feet. Owned by the New York City Department of Housing Preservation and Development, there is currently a 21,800 square foot parking facility on the site. The site is zoned R8B and under the existing zoning, the building could be expanded.

Situated adjacent to a playground, mixed use commercial-residential buildings, and several residential buildings owned by the Manhattan Valley Development Corporation along the northern edge of the block, it has been a garage since at least 1943 when the New York City Department of Building issued a Certificate of Occupancy for this building for a public garage. While there are no documented environmental violations or citations on the site, its long history of automotive repairs and storage signify a likely potential for environmental contamination. Additionally, according to Sanborn Fire Insurance records, this property was used for storage of paints dating back to 1902. Because this site is currently used for auto-related activities and was historically used for paint storage, any redevelopment requiring environmental review must complete a hazardous materials assessment per the City Environmental Quality Review (CEQR) Technical Manual.



### *Site B: 143 West 108th Street*

Located at 143 West 108<sup>th</sup> Street between Columbus and Amsterdam Avenues this site is a total of 10,092 square feet. Owned by the New York City Department of Housing Preservation and Development there is currently a 45,000 square foot parking facility on the site and is zoned R8B. Under current zoning, the existing structure cannot be expanded.

Situated adjacent to a playground, mixed use commercial-residential buildings, and several residential buildings owned by the Manhattan Valley Development Corporation along the northern edge of the block, it has a long history of automotive service. While it is not documented in any state or national databases for environmental hazards, the New York City Department of Buildings has issued several violations that point towards the possibility of environmental contamination on the site. In February of 2010, the property was served with building violations for illegally performing auto repairs with auto fluids, flammable fluids, paint and compression, for illegal storage of combustible flammable paints and thinners used by an illegal auto body shop, for illegal storage of containers in an open area, and for illegal junk storage. As per these activities listed above for which the site has received citations from the Department of Buildings, any redevelopment action requiring environmental review must complete a hazardous materials assessment per the City Environmental Quality Review (CEQR) Technical Manual.





**AKRF, Inc.**  
34 South Broadway  
White Plains, NY 10601  
Phone: 914-922-2397  
Fax: 914-949-7559  
[www.akrf.com](http://www.akrf.com)

May 28, 2015

Records Access Office  
New York State Department of Health  
Corning Tower Room 2364  
Albany, New York 12237-0044  
518-486-9144 (fax)

Sent-by-email

Re: **FOIL Request**  
Project No.: 22304  
103-107 and 143-159 West 108<sup>th</sup> Street, New York NY 10025 Block 1863 Lots 5, 10, 13, 26

Dear Sir or Madam:

Pursuant to the Freedom of Information Law, we are requesting information regarding underground storage tanks (USTs), spill records, remediation sites, dump sites, soil and groundwater remediation, storage of hazardous materials and/or hazardous materials activities for the above referenced site. Your response can either be faxed to [\(914\) 949-7559](tel:9149497559) or mailed to the address identified above as soon as possible. Please notify me if there are any costs associated with processing this request. In addition, please indicate AKRF's project number (22304) on all correspondence. If you have any questions, please call me at [\(914\) 922-2397](tel:9149222397).

Thank you in advance for your assistance and cooperation

Sincerely,  
AKRF, Inc.

Elizabeth Matamoros  
Environmental Scientist



**MyPropertyInfo** -Powered by **FRS**

## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 103  
Street Name: WEST 108  
City Name: NEW YORK  
State: NY  
Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:02:29

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

**Disclaimer**

This summary report is provided solely for informational purposes. It does not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person. EPA maintains the application to enhance public access to environmental information. This service has continual data updates, and we will correct errors brought to our attention, as appropriate.

Last updated on 6/11/2015



**MyPropertyInfo** -Powered by *FRS*

## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 105  
Street Name: WEST 108  
City Name: NEW YORK  
State: NY  
Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:03:24

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 107

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:03:38

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

---

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 143

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:03:49

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 145

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:04:08

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

**Disclaimer**

This summary report is provided solely for informational purposes. It does not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person. EPA maintains the application to enhance public access to environmental information. This service has continual data updates, and we will correct errors brought to our attention, as appropriate.

Last updated on 6/11/2015



**MyPropertyInfo** -Powered by **FRS**

## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 147

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:04:19

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



**MyPropertyInfo** -Powered by *FRS*

## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 149  
Street Name: WEST 108  
City Name: NEW YORK  
State: NY  
Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:05:13

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 151

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:05:01

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 153

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:06:09

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 155

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:06:20

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 157

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:11:44

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



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## Property Search Results

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[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 159

Street Name: WEST 108

City Name: NEW YORK

State: NY

Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:12:07

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015



**MyPropertyInfo** -Powered by *FRS*

## Property Search Results

[Report an Error](#)

**A search of the databases did not locate any environmental records using the search criteria provided below.**

**Search Criteria**

Street Number: 149  
Street Name: WEST 108  
City Name: NEW YORK  
State: NY  
Zip Code: 10025

Query executed at: Thu 11-Jun-2015 11:04:31

**Databases Searched**

**Please contact appropriate state agency(s) who may have additional information.**

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Last updated on 6/11/2015

## Thank You For Filling Out This Form

Shown below is your submission to **NYC.gov** on Thursday, May 28, 2015 at 10:40:20

This form resides at [http://www.nyc.gov/html/dep/html/contact\\_us/foil.shtml](http://www.nyc.gov/html/dep/html/contact_us/foil.shtml)

NAME of FIELDS	DATA
<b>foil-form:</b>	REMOTE_HOST,HTTP_ADDR,HTTP_USER_AGENT
<b>type-of-record:</b>	BEC-Asbestos, BEC-Air, BPS, BWS, BWT
<b>record-request-type:</b>	Copies
<b>location:</b>	103-107 and 143-159 West 108th Street, NY NY 10025, Block 1863 Lots 5, 10, 13, 26
<b>time-frame:</b>	any/all
<b>first-name:</b>	Elizabeth
<b>last-name:</b>	Matamoros
<b>phone:</b>	9149222397
<b>organization:</b>	AKRF Inc.
<b>address:</b>	34 South Broadway 401
<b>city:</b>	White Plains
<b>state:</b>	NY
<b>zip-code:</b>	10601
<b>other-identifying:</b>	information regarding underground storage tanks (USTs), spill records, remediation sites, dump sites, soil and groundwater remediation, storage of hazardous materials and/or hazardous materials activities
<b>date:</b>	5/28/15



NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE

For office use only CONTROL NUMBER:

[Empty box for control number]

FREEDOM OF INFORMATION LAW REQUEST FORM

To: Records Access Officer
NYC Department of Health and Mental Hygiene
42-09 28th Street, 14th Floor, CN 31
Long Island City, NY 11101
Phone: (347) 396-6078/6116
Fax: (347) 396-6087
recordsaccess@health.nyc.gov

Date 5 / 28 / 15

Dear Record Access Officer:

I, Elizabeth Matamoros request copies of any inspection reports and/or records located in the Bureau of \_\_\_\_\_, of the New York City Department of Health and Mental Hygiene.

The records pertain to:

- Lead Poisoning, Animal bite, Employment/Human Resources, Contracts/RFPs, Pest Control, Correctional Health, Early Intervention, Food Safety, Mental Health, Communicable Diseases, School Health, Day Care

Other: \_\_\_\_\_

Please specify/describe the records you are requesting from the above program(s):

information regarding underground storage tanks (USTs), spill records, remediation sites, dump sites, soil and groundwater remediation, storage of hazardous materials, and/or hazardous materials activities for: 103-107 and 143-159 West 108th Street, NY NY 10025 Block 1863 Lots 5, 10, 13, 26

There is a charge of 25¢ per page or actual costs of reproduction, payable in advance.

Requester's Name: Elizabeth Matamoros (Please print) \_\_\_\_\_ (Signature) \_\_\_\_\_

Requester's Organization: AKRF Inc. \_\_\_\_\_

Requester's Address: 34 South Broadway, White Plains, NY 10601 Street City State Zip code

Telephone Number: (914) 922 - 2397 E-mail: ematamoros@akrf.com

New York State Department of Environmental Conservation  
**APPLICATION FOR ACCESS TO RECORDS**  
Pursuant to New York State Freedom of Information Law (FOIL)

Please complete all applicable fields

**Records Requested**

Whenever possible, please provide specific facility name(s), owner(s), address(es), permit/spill/PBS/incident number(s).

records pertaining to: underground storage tanks (USTs),  
spill records, remediation sites, dump sites, soil and groundwater  
remediation, storage of hazardous materials and/or hazardous  
materials activities.

for: Block 1863, Lots 5, 10, 13 and 26

103-107 and 143-158 West 108th Street, NY NY 10025

**Time Period for Records Sought**

From: \_\_\_\_\_ To: \_\_\_\_\_ Not Applicable:

**Requestor Contact Information**

Name: Elizabeth Matamoros Company (if applicable): AKRF Inc

Phone: 9149222397 Fax: 9149497559 Email: ematamoros@akrf.com

Mailing Address 34 South Broadway #401, White Plains NY 10601

**Electronic copies preferred**

All requests must be in writing and may be submitted to the New York State Department of Environmental Conservation (NYSDEC) via:

Email: [access.records@dec.ny.gov](mailto:access.records@dec.ny.gov)

Fax: (518) 402-9018

Mail: Records Access Officer

NYSDEC, 625 Broadway, Albany, NY 12233-1500

For more information go to <http://www.dec.ny.gov/public/373.html>

**APPENDIX H**  
**STATE AND LOCAL RECORDS**

**103-107 and 143-159 West 108th Street**

103-107 and 143-159 West 108th Street  
New York, NY 10025

Inquiry Number: 4298005.8

May 18, 2015

# EDR Building Permit Report

Target Property and Adjoining Properties

## TABLE OF CONTENTS

### **SECTION**

**About This Report**

**Executive Summary**

**Findings**

**Glossary**

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

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# EDR BUILDING PERMIT REPORT

## About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

## ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

## Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



## EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of AKRF, Inc. on May 18, 2015.

### TARGET PROPERTY

103-107 and 143-159 West 108th Street  
New York, NY 10025

### SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

### RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

### P//New York City, NY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
2015	New York City, Department of Buildings		X
2014	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2013	New York City, Department of Buildings		X
2012	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2011	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2010	New York City, Department of Buildings		X
2009	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2008	New York City, Department of Buildings		X
2007	New York City, Department of Buildings		X
2006	New York City, Department of Buildings		X
2005	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2004	New York City, Department of Buildings		X
	New York City, Department of Buildings	X	
2003	New York City, Department of Buildings		X
2002	New York City, Department of Buildings		
2001	New York City, Department of Buildings		
2000	New York City, Department of Buildings		
1999	New York City, Department of Buildings		
1998	New York City, Department of Buildings		
1997	New York City, Department of Buildings		
1996	New York City, Department of Buildings		
1995	New York City, Department of Buildings		
1994	New York City, Department of Buildings		

## EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
1993	New York City, Department of Buildings		
1992	New York City, Department of Buildings		
1991	New York City, Department of Buildings		
1990	New York City, Department of Buildings		
1989	New York City, Department of Buildings		
1988	New York City, Department of Buildings		

### **BUILDING DEPARTMENT RECORDS SEARCHED**

Name: P//New York City, NY  
Years: 1988-2015  
Source: New York City, Department of Buildings, BROOKLYN, NY  
Phone: (212) 566-5000

Name: Albany  
Years: 1999-2010  
Source: City of Albany, Building and Codes, ALBANY, NY  
Phone: (518) 434-5165

Name: Kingston  
Years: 1977-2010  
Source: City of Kingston, Building Safety Division, NEW YORK, NY  
Phone: (845) 331-1217

Name: Poughkeepsie town  
Years: 1961-2010  
Source: Town of Poughkeepsie, Building Department, POUGHKEEPSIE, NY  
Phone: (845) 485-3655

Name: Troy  
Years: 2001-2010  
Source: City of Troy, Code Enforcement, TROY, NY  
Phone: (518) 270-4584

## TARGET PROPERTY FINDINGS

### TARGET PROPERTY DETAIL

**103-107 and 143-159 West 108th Street  
New York, NY 10025**

#### **103 W 108TH ST**

Date: **12/12/2014**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
REBUILD PARAPET AS SHOWN ON PLANS. NO CHANGES TO USES, EGRESS OR  
OCCUPANCY. HPD  
MEMO # KF00760.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140279712-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FARRUKH JAVAID**

Date: **7/27/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Repair roof parapet wall and part of left side exterior wall as shown on plans  
provided. No changes to uses, egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104175349-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JATINDER SINGH**

## TARGET PROPERTY FINDINGS

Date: **7/27/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION**  
**Repair roof parapet wall and part of left side exterior wall as shown on plans provided. No changes to uses, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104175349-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JATINDER SINGH**

Date: **5/4/2004**  
Permit Type:  
Description:  
Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z100350**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NORLIN ELECL CONTRS INC**

## TARGET PROPERTY FINDINGS

### 149 W 108TH ST

Date: **1/15/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER**  
**Replacement of boiler and hot water heater. No change in use egress or occupancy under this application.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104884074-01-EW-BL**  
Status: **ISSUED, REISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER J YOHE**

Date: **1/13/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Replacement of boiler and hot water heater. No change in use egress or occupancy under this application.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104884074-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER J YOHE**

## TARGET PROPERTY FINDINGS

Date: **7/19/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Install new dunnage for a/c installation and create new roof opening for associated ductwork. NO CHANGE IN USE, OCCUPANCY, AND EGRESS IS INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103802574-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AL LORIS**

Date: **7/19/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**Replace 1 existing a/c system. Install 1 new a/c unit on roof and modify existing ductwork as shown on drawings filed herewith. NO CHANGE IN USE, OCCUPANCY, AND EGRESS IS INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103802574-02-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AL LORIS**

## TARGET PROPERTY FINDINGS

**151 W 108TH ST**

Date: **11/13/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GARAGE REPAIRS  
PROPOSED REPAIRS TO PARKING GARAGE AS INDICATED ON PLANS AN  
APPLICATIONS. THERE  
IS NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120371677-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL PALMIOTTO**

Date: **11/29/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED AS PER PLANS. DURING  
REMEDIAL REPAIRS,  
WORK SHALL COMPLY WITH 2008 BUILDING CODE CHAPTER 33. NO CHANGE IN  
USE, EGRESS  
OR OCCUPANCY**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120710677-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL GROSMAN**

## ADJOINING PROPERTY FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### AMSTERDAM AVE

##### 934 AMSTERDAM AVE

Date: 2/10/2015  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 5B AS PLAN. MINOR  
PARTITION, PAINTING  
AND FLOORING AT THIS APPLICATION. NO CHANGE IN OCCUPANCY, USE AND  
EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140308487-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: KAIYIN WANG

Date: 9/25/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
REPAIR AND PAINTING ON EXISTING STAIRCASE AT PUBLIC HALLWAY FROM  
1ST THRU 5TH  
FLOORS. NO CHANGE IN OCCUPANCY, USE OR EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140257371-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: KAIYIN WANG

## ADJOINING PROPERTY FINDINGS

Date: **6/30/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATE EXISTING MIXED USE BUILDING. RENOVATE FACADE AND  
STOREFRONT. RENOVATE  
CELLAR. NO CHANGE TO EGRESS,USE OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121099916-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD A ADINOLFI**

Date: **9/10/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD50237-01) WITH GAS  
HEATING BOILER,  
INSTALL GAS DOMESTIC HOT WATER BOILER, NEW GAS SERVICE, METER, AND  
GAS PIPING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121358262-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

## ADJOINING PROPERTY FINDINGS

Date: **9/10/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE BOILER AND OIL BURNER (NYC BOILER # MD50237-01) WITH GAS HEATING BOILER, INSTALL GAS DOMESTIC HOT WATER BOILER, NEW GAS SERVICE, METER, AND GAS PIPING.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121358262-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

Date: **7/25/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**RENOVATE EXISTING MIXED USE BUILDING. RENOVATE FACADE AND STOREFRONT. RENOVATE CELLAR. NO CHANGE TO EGRESS,USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121099916-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMAR FARUQ**

## ADJOINING PROPERTY FINDINGS

Date: **6/21/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121117184-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HARJIT SINGH**

Date: **8/19/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
THIS APPLICATION IS FILED TO RENOVATE EXISTING COMMERCIAL SPACE FOR  
A PROPOSED  
DELI. THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120734241-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HIMENDU CHAUDHURI**

## ADJOINING PROPERTY FINDINGS

Date: **7/6/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**THIS APPLICATION IS FILED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120734241-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CONSTANTINE KOUMPAROULIS**

Date: **7/5/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**THIS APPLICATION IS FILED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120734241-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MAHMOUD ALKHATIB**

## ADJOINING PROPERTY FINDINGS

Date: **7/5/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR**  
**THIS APPLICATION IS FILED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120734241-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MAHMOUD ALKHATIB**

Date: **6/29/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE**  
**THIS APPLICATION IS FILED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120734241-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MAHMOUD ALKHATIB**

## ADJOINING PROPERTY FINDINGS

Date: **6/29/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z130841

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: A.C.G. ELECT. CO., INC.

Date: **6/22/2006**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
MODIFICATION OF KITCHEN FIRE SUPPRESSION  
SYSTEM NO CHANG IN USE,EGRESS OROCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104464615-01-EW-FP

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: PETER MARTINEZ

Date:

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z134387

Status: OBJECTION PENDING AT OWNER

Valuation: \$0.00

Contractor Company:

Contractor Name:

## ADJOINING PROPERTY FINDINGS

### 936 AMSTERDAM AVE

Date: **2/22/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z129220

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ABSOLUTE ELEC'L CONTRG OF

Date: **12/16/2010**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALL FIRE SUPPRESSION SYSTEM ONLY. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120544866-01-EW-FP

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: PETER MARTINEZ

## ADJOINING PROPERTY FINDINGS

Date: **7/2/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**CONSTRUCT RESTAURANT AS PER PLAN NO CHANGE IN USE EGRESS OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120353508-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LACY J JOHNSON**

Date: **6/16/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**CONSTRUCT RESTAURANT AS PER PLAN NO CHANGE IN USE EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120353508-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY PINTO**

## ADJOINING PROPERTY FINDINGS

Date: **6/16/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
CONSTRUCT RESTAURANT AS PER PLAN NO CHANGE IN USE EGRESS OR  
OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120353508-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY PINTO**

Date: **4/20/2010**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
REMOVE INTERIOR PARTITIONS AND CEILING AS PER PLANS**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120315337-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY PINTO**

## ADJOINING PROPERTY FINDINGS

Date: **4/20/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - REMOVAL  
REMOVE INTERIOR PARTITIONS AND CEILING AS PER PLANS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120315337-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY PINTO**

### 938 AMSTERDAM AVE

Date: **5/2/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
PROPOSED TO INSTALL A NEW FIRE SUPPRESSION SYSTEM AL AS PER PLAN.  
FILLED  
HEREWITH.NO CHANCE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110148475-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MARTINEZ**

## ADJOINING PROPERTY FINDINGS

Date: **4/14/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**Renovation of existing storefront, new kitchen, new bathrooms, new accessory ladder to cellar. Additional structural support of existing cellar. No change to occupancy use or egress.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110034622-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARK KATSELSNIK**

Date: **3/5/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z116283**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MULTI-PHASE ELEC. CO. INC**

## ADJOINING PROPERTY FINDINGS

Date: **1/28/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE**  
**Renovation of existing storefront, new kitchen, new bathrooms,new accessory ladder to cellar. Additional structural support of existing cellar.No change to occupancy use or egress.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110034622-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AIK KATSELSNIK**

Date: **1/28/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Renovation of existing storefront, new kitchen, new bathrooms,new accessory ladder to cellar. Additional structural support of existing cellar.No change to occupancy use or egress.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110034622-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AIK KATSELSNIK**

## ADJOINING PROPERTY FINDINGS

Date: **12/28/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Renovation of existing storefront, new kitchen, new bathrooms,new accessory ladder to cellar. Additional structural support of existing cellar.No change to occupancy use or egress.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110034622-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN ALVINO**

Date: **12/6/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z106856**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BERNARDO ELECTRIC CO.**

## ADJOINING PROPERTY FINDINGS

Date: **8/10/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE LOW PRESSURE BOILER AND OIL BURNER.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104191465-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VINCENT COLUCCI**

Date: **8/10/2005**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **104191465-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

### 940 AMSTERDAM AVE

Date: **7/25/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF FIRE SUPPRESSION SYSTEM ONLY. THERE WILL BE NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121702540-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MASTER FIRE SYSTEMS, INC 0000371-FS**

Date: **6/28/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
MINOR INTERIOR RENOVATION OF AN EXISTING RESTAURANT, REPLACE AND  
INSTALL NEW  
PLUMBING FIXTURES. NO CHANGE IN USE, EGRESS, BULK OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140062759-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BENT MECHANICAL CORP**

## ADJOINING PROPERTY FINDINGS

Date: **6/28/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION OF AN EXISTING RESTAURANT, REPLACE AND  
INSTALL NEW  
PLUMBING FIXTURES. NO CHANGE IN USE, EGRESS, BULK OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140062759-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: BENT MECHANICAL CORP

Date: **6/28/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
MINOR INTERIOR RENOVATION OF AN EXISTING RESTAURANT, REPLACE AND  
INSTALL NEW  
PLUMBING FIXTURES. NO CHANGE IN USE, EGRESS, BULK OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140062759-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: BENT MECHANICAL CORP

## ADJOINING PROPERTY FINDINGS

Date: **9/14/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF 25 L.F. TEMPORARY SIDEWALK SHED FOR FACADE REPAIRS.  
NO CHANGE  
IN USES, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104475337-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BALWINDER KAUR**

Date: **8/31/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z113853**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALSON ELEC'L CONTR. INC**

## ADJOINING PROPERTY FINDINGS

Date: **12/22/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110432

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: COMPUTER AUTOMTD MACH LTD

### 942 AMSTERDAM AVE

Date: **11/17/2011**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATE INTERIOR OF EXISTING CAFE AND REPAIR PORTION OF SIDEWALK  
VAULT.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120851774-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: VALENTINO BUONO

## ADJOINING PROPERTY FINDINGS

Date: **10/26/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
RENOVATE INTERIOR OF EXISTING CAFE AND REPAIR PORTION OF SIDEWALK  
VAULT.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120851774-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **REGINALD L TANKARD**

Date: **10/26/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE INTERIOR OF EXISTING CAFE AND REPAIR PORTION OF SIDEWALK  
VAULT.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120851774-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **REGINALD L TANKARD**

## ADJOINING PROPERTY FINDINGS

### 943 AMSTERDAM AVE

Date: 1/31/2014  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**APPLICATION FILED TO REFURBISH THE EXISTING CONDITION DUE TO FIRE**  
**DAMAGE IN APT**  
**2N. INTERIOR WORK ONLY. ALL PLUMBING WILL BE A DIRECT REPLACEMENT.**  
**NO CHANGE IN**  
**USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121582714-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MICHAEL A WIDING

Date: 12/27/2013  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**APPLICATION FILED TO REFURBISH THE EXISTING CONDITION DUE TO FIRE**  
**DAMAGE IN APT**  
**2N. INTERIOR WORK ONLY. ALL PLUMBING WILL BE A DIRECT REPLACEMENT.**  
**NO CHANGE IN**  
**USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESIDENTIAL 1-2 FAMILY HOUSES  
Permit Number: 121582714-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: BUILDING MAINTENANCE CORP

## ADJOINING PROPERTY FINDINGS

Date: **9/18/2013**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
STRUCTURAL REINFORCEMENT FOR VAULT IN CELLAR. NO CHANGES TO USES,  
EGRESS OR  
OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140112928-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABC PERMIT EXPEDITING INC**

Date: **7/26/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE EXISTING OIL BOILER AND OIL BURNER. CHANGE IN USE OR MEANS  
OF EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140098800-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **QUALITY HEATING DESIGN IN 0004270-OB**

## ADJOINING PROPERTY FINDINGS

Date: **7/26/2013**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 140098800-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

### 945 AMSTERDAM AVE

Date: **2/16/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
THIS APPLICATION IS FILLED TO RENOVATE EXISTING COMMERCIAL SPACE  
FOR A  
PROPOSED DELI. THERE IS NO CHANGE TO USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104626004-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHARLES ZHOU

## ADJOINING PROPERTY FINDINGS

Date: **12/18/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**THIS APPLICATION IS FILLED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104626004-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CONSTANTINE NOUMPAROULIS**

Date: **12/18/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.**  
**THIS APPLICATION IS FILLED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104626004-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CONSTANTINE NOUMPAROULIS**

## ADJOINING PROPERTY FINDINGS

Date: **12/18/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**THIS APPLICATION IS FILLED TO RENOVATE EXISTING COMMERCIAL SPACE FOR A PROPOSED DELI. THERE IS NO CHANGE TO USE EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104626004-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CONSTANTINE NOUMPAROULIS**

Date: **12/14/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z110328**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **A.C.G. ELECT. CO., INC.**

## ADJOINING PROPERTY FINDINGS

### 947 AMSTERDAM AVE

Date: **10/7/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140122132-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BAZINI ENGINEERING P.C**

Date: **10/7/2013**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **140122132-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

### 948 AMSTERDAM AVE

Date: 12/23/2009  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
PROPOSE TO ERECT PARTITION WALLS, INSTALL LINTELS ON EXISTING LOAD BEARING WALL,  
FLOORING WORK AS INDICATED ON PLANS SUBMITTED HEREWITH ON EXISTING COMMERCIAL  
RETAIL STORE USE GROUP 6A(LIQUOR STORE).THERE SHALL BE NO CHANGES IN USE,  
OCCUPANCY OR MEANS OF EGRESS UNDER THIS APPLICATION

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120229396-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RADHAMNES DEJESUS

### 949 AMSTERDAM AVE

Date: 8/13/2004  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SIDEWALK SHED 20' DURING FACADE REPAIR. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY. SHED TO COMPLY WITH LL33/91 AND TPPN 9/99.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 103854045-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PETER O'FARRELL

## ADJOINING PROPERTY FINDINGS

### 951 AMSTERDAM AVE

Date: **1/24/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
MODIFY HVAC & PLUMBING ON CELL AND 1STFORS. NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104783405-02-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND SOO**

Date: **9/12/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER  
MODIFICATION OF SPRINKLER SYSTEM ON CEL- LAR FLOOR NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104786750-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **YEON C LEE**

## ADJOINING PROPERTY FINDINGS

Date: **7/27/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
MODIFY INTERIOR NON-BEARING PARTITIONSHUNG CEILINGS AND FINISHES ON  
CE  
LLAR FLOOR AND 1ST FLOOR NO CHANGES**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104783405-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND SOO**

Date: **7/27/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
MODIFY INTERIOR NON-BEARING PARTITIONSHUNG CEILINGS AND FINISHES ON  
CE  
LLAR FLOOR AND 1ST FLOOR NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104783405-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND SOO**

## ADJOINING PROPERTY FINDINGS

Date: **7/16/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**MODIFY HVAC & PLUMBING ON CELL AND 1STFORS. NO CHANGES**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104783405-02-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **YEON LEE**

Date: **7/16/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z113214**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HESTER ELECTRICAL INC**

## ADJOINING PROPERTY FINDINGS

Date: **7/9/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1  
EXISTING RENTAL OFFICE COMMUNITY ROOM AND MANAGEMENT OFFICE TO  
BE  
CONVERTED IN TO A SUPERS APARTMENT.**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **102635052-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS O'GRADY**

Date: **6/26/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z112883**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VERTEX ELECTRIC CORP.**

## ADJOINING PROPERTY FINDINGS

### 952 AMSTERDAM AVE

Date: **3/5/2010**  
Permit Type:  
Description:  
  
Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z124984  
Status: AWAITING INSPECTION REQUEST  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: NEW CENTURY ELEC'L CONTR

### 953 AMSTERDAM AVE

Date: **4/30/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
TO MODIFY THE EXISTING FIRE SUPPRESSION APPROVED APP #10168637, AND  
NEW  
EP, SYSTEM IN KITCHEN AREA, AS INDICATED ON PLANS FILED HEREWITH**  
  
Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110218737-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PETER MARTINEZ

## ADJOINING PROPERTY FINDINGS

Date: **3/4/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**Application filed to install new plumbing fixtures, exhaust ventilation sys., and accessory equipment, as per plan filed herewith as a professional certification. Use, egress or occupancy filed concurrent under a seperate application (Alt.I) to this application as professional certification. (DOB # 110011772)**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110011763-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WAGNER CARRION**

Date: **10/8/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z114315**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAOTEK ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **9/6/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INT DEMO**  
**Application filed to interior demo. only entire first floor as per plan filed herewith. Proposed work shall be filed in a seperate application subsequently. No change in use ergess or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104891191-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WAGNER CARRION**

### **960 AMSTERDAM AVE**

Date: **3/24/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**INSTALL COOKING EQUIPMENT, PLUMBING FIXTURES, RANGE HOOD & HVAC SYSTEM AND NEW STOREFRONT FOR PROPOSED RESTAURANT IN CONJUNCTION WITH APPLICATION # 104646493.**  
**NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104655204-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUN ZHANG**

## ADJOINING PROPERTY FINDINGS

Date: **10/4/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
MODIFY EXISTING AUTOMATIC FIRE SUPPRESSION SYSTEM (FD PLAN#289-07,  
DOB#  
104660519) IN KITCHEN RANGE HOOD. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.  
COOKING EQUIPMENTS AND GAS VALVE WERE FILED IN JOB# 104655204.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104914354-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES ZHOU**

Date: **2/23/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALL FIRE SUPPRESSION SYSTEM FOR RESTAURANT. FIRE SUPP SHUT OFF  
VALVE IS  
FILING UNDER IN CONJUNCTION APPLICATION # 104655204. NO CHANGE IN USE,  
EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104660519-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES ZHOU**

## ADJOINING PROPERTY FINDINGS

Date: **2/7/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110822

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: NEW GRAND ELECTRIC, INC.

Date: **1/30/2007**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL COOKING EQUIPMENT, PLUMBING FIXTURES, RANGE HOOD & HVAC  
SYSTEM AND NEW  
STOREFRONT FOR PROPOSED RESTAURANT IN CONJUNCTION WITH  
APPLICATION # 104646493.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104655204-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: WILLIAM HARVEY

## ADJOINING PROPERTY FINDINGS

Date: 1/26/2007  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GC  
INSTALL COOKING EQUIPMENT, PLUMBING FIXTURES, RANGE HOOD & HVAC SYSTEM AND NEW STOREFRONT FOR PROPOSED RESTAURANT IN CONJUNCTION WITH APPLICATION # 104646493.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104655204-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUN ZHANG

Date: 1/23/2007  
Permit Type: EQ  
Description: ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
DEMOLISH EXISTING STOREFRONT, SHEETROCK PARTITIONS. ERECT NEW SHEETROCK ON WALL AND CEILING. INSTALL TILE ON FLOOR FOR PROPOSED RESTAURANT. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104646493-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUN ZHANG

## ADJOINING PROPERTY FINDINGS

Date: **1/23/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
DEMOLISH EXISTING STOREFRONT, SHEETROCK PARTITIONS. ERECT NEW  
SHEETROCK ON WALL  
AND CEILING. INSTALL TILE ON FLOOR FOR PROPOSED RESTAURANT. NO  
CHANGE IN USE,  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104646493-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUN ZHANG**

### 961 AMSTERDAM AVE

Date: **5/18/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE EXIST BOILER FOR EXIST. DRY CLEAN STORE, AS SHOWN ON PLAN.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102992086-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANASTASIOS ELENIS**

## ADJOINING PROPERTY FINDINGS

963 AMSTERDAM AVE

Date: **6/8/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REPLACE EXISTING ROOFING PAPER AND FLASHING SYSTEM. BRUSH PAINT  
METAL FIRE  
ESCAPE AS PER PLANS SUBMITTED HEREWITH. NO CHANGE IN USE,  
OCCUPANCY OR MEANS OF  
EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121082443-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARTHA GAVILANES**

Date: **4/29/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER WITH A WEIL MCLAIN 6-80-S AND A CARLIN  
301 CRD.  
NO CHANGE IN EGRESS USE OR OCCUPNACY FILED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104097610-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DANIEL COLASANTO**

## ADJOINING PROPERTY FINDINGS

Date: **4/29/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL BURNING  
REPLACE BOILER AND OIL BURNER WITH A WEIL MCLAIN 6-80-S AND A CARLIN  
301 CRD.  
NO CHANGE IN EGRESS USE OR OCCUPNACY FILED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104097610-01-EW-FB**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DANIEL COLASANTO**

### **964 AMSTERDAM AVE**

Date: **11/13/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 5A AS PLAN. MINOR  
PARTITION WORK,  
FLOORING AND PAINTING. NO CHANGE IN OCCUPANCY, USE OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140276225-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **8/11/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 6D APARTMENT AS PER PLAN. MINOR  
PARTITION WORK,  
FLOORING AND PAINTING. NO CHANGE IN OCCUPANCY, USE, OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140236812-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

Date: **8/1/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION AT APT#6A. NO CHANGES IN USE, EGRESS, OR  
OCCUPANCY UNDER  
THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140233851-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

## ADJOINING PROPERTY FINDINGS

Date: **12/13/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 121444829-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **11/26/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE OIL BURNER WITH GAS BURNER ON EXISTING BOILER. (NYC BOILER  
NO. MD  
27352-01).**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121444829-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RAYMOND A MUCCI

## ADJOINING PROPERTY FINDINGS

Date: **8/20/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE MIXED USE BUILDING. RENOVATE FACADE. NO CHANGE TO USE,  
EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121115523-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SHAHID CHOUDHARY**

Date: **6/19/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121117521-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HARJIT SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **7/24/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
PROPOSE TO INSTALL FIRE SUPPRESSION (ANSUL) SYSTEM ON FIRST FLOOR,  
GAS SHUT-OFF  
VALVE FILED UNDER SEPARATE APPLICATION # 104515883. NO CHANGE IN USE,  
OCCUPANCY  
& EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104847052-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARK MCGOEY**

Date: **11/29/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z110132**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEW GRAND ELECTRIC, INC.**

## ADJOINING PROPERTY FINDINGS

Date: 11/28/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF 50 LINEAR FEET OF HEAVY DUTY SIDEWALK  
SHED FOR  
REMEDIAL REPAIRS. SIDEWALK SHED SHALL COMPLY WITH LL 33/91. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PSF. NO  
STORAGE ON  
SIDEWALK SHED.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104613731-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOANNE PANTANELLI

Date: 11/13/2006  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING EATING & DRINKING ESTABLISHMENT, INSTALL NEW  
EQUIPMENT,  
PLUMBING FIXTURES, NON-RESIDENTAL COOKING EQUIPMENT, MECHANICAL  
VENT, FAN &  
BLOWER FOR FIRE SUPPRESSION (ANSUL) SYSTEM BEING FILED UNDER  
SEPARATE  
APPLICATION. NO CHANGE IN USE, OCCUPANCY & EGRESS

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104515883-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: DOMINICK MONACO

## ADJOINING PROPERTY FINDINGS

Date: 11/8/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
RENOVATION OF EXISTING EATING & DRINKING ESTABLISHMENT, INSTALL NEW  
EQUIPMENT,  
PLUMBING FIXTURES, NON-RESIDENTAL COOKING EQUIPMENT, MECHANICAL  
VENT, FAN &  
BLOWER FOR FIRE SUPPRESSION (ANSUL) SYSTEM BEING FILED UNDER  
SEPARATE  
APPLICATION. NO CHANGE IN USE, OCCUPANCY & EGRESS

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104515883-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: EDWIN AYALA

Date: 11/8/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RENOVATION OF EXISTING EATING & DRINKING ESTABLISHMENT, INSTALL NEW  
EQUIPMENT,  
PLUMBING FIXTURES, NON-RESIDENTAL COOKING EQUIPMENT, MECHANICAL  
VENT, FAN &  
BLOWER FOR FIRE SUPPRESSION (ANSUL) SYSTEM BEING FILED UNDER  
SEPARATE  
APPLICATION. NO CHANGE IN USE, OCCUPANCY & EGRESS

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104515883-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: EDWIN AYALA

## ADJOINING PROPERTY FINDINGS

Date: 9/21/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF 50 LINEAR FEET OF HEAVY DUTY SIDEWALK  
SHED FOR  
REMEDIAL REPAIRS. SIDEWALK SHED SHALL COMPLY WITH LL 33/91. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PSF. NO  
STORAGE ON  
SIDEWALK SHED.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104552627-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AMRIK SINGH

Date: 6/21/2006  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
APPLICATION FILED FOR NEW GAS METERS INCELLER AND GAS RISERS DUE  
TO FIR  
E DAMAGE INDICATED ON DRAWINGS FILED HEREWITH. NO CHANGE IN USE  
EGRESS OR OCCUPA  
NCY UNDER THIS APPLICATION.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104430992-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GEORGE BATEMAN

## ADJOINING PROPERTY FINDINGS

Date: **2/24/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPAIR FIRE DAMAGED BUILDING, GENERALCONSTRUCTION , STRUCTURAL**  
**MECHANICAL VENT AND PLUMBING WORK INDICATED ON DRAWINGS FILED**  
**HEREWITH. NO CHANG**  
**E IN USE EGRESS OR OCCUPANCY UNDERTHIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104338600-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GEORGE BATEMAN**

Date: **2/10/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC**  
**REPAIR FIRE DAMAGED BUILDING, GENERALCONSTRUCTION , STRUCTURAL**  
**MECHANICAL VENT AND PLUMBING WORK INDICATED ON DRAWINGS FILED**  
**HEREWITH. NO CHANG**  
**E IN USE EGRESS OR OCCUPANCY UNDERTHIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104338600-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALEXANDER CASELLA**

## ADJOINING PROPERTY FINDINGS

Date: **2/10/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
REPAIR FIRE DAMAGED BUILDING, GENERAL CONSTRUCTION , STRUCTURAL  
MECHANICAL VENT AND PLUMBING WORK INDICATED ON DRAWINGS FILED  
HEREWITH. NO CHANGE IN USE EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104338600-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALEXANDER CASELLA**

Date: **9/23/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z106037**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **QUEENSBORO ELEC'L CONTR'G**

## ADJOINING PROPERTY FINDINGS

Date: **7/16/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF KITCHEN FIRE SUPPRESSION NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103818326-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MARTINEZ**

### **965 AMSTERDAM AVE**

Date: **12/7/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **121369713-01-EW-MH**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **11/16/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
ESTABLISHMENT OF LAUNDRY WITH WASHERS, DRYERS, SPRINKLERS AND  
WATER HEATERS. NO  
CHANGE IN USE, MEAN OF EGRESS, AND OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121369713-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN WASSERMAN**

Date: **11/9/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
ESTABLISHMENT OF LAUNDRY WITH WASHERS, DRYERS, SPRINKLERS AND  
WATER HEATERS. NO  
CHANGE IN USE, MEAN OF EGRESS, AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121369713-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **9/10/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION IN EXISTING APARTMENT 5D, SMALL PARTITION  
WORKS, PAINTING,  
FLOORING AND PLUMBING FIXTURES, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
DIRECTIVE 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121361524-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **8/14/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION IN EXISTING APARTMENT 4A, SMALL PARTITION  
WORKS, PAINTING,  
FLOORING AND PLUMBING FIXTURES, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
DIRECTIVE 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121337311-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **8/2/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION IN EXISTING APARTMENT 5B, SMALL PARTITION  
WORKS, PAINTING,  
FLOORING AND PLUMBING FIXTURES, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
DIRECTIVE 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121174219-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **4/9/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION IN EXISTING APARTMENT 5A, SMALL PARTITION  
WORKS, PAINTING,  
FLOORING AND PLUMBING FIXTURES, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
DIRECTIVE 14 APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121032122-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL J PASSALACQUA**

## ADJOINING PROPERTY FINDINGS

Date: **4/6/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**PLUMBING APPLICATION IS FILED IN CONJUNCTION WITH ALT#2 APPLICATION**  
**#120999599**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121032131-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL J PASSALACQUA**

Date: **4/6/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**INTERIOR RENOVATION IN EXISTING APARTMENT 5A, SMALL PARTITION**  
**WORKS, PAINTING,**  
**FLOORING AND PLUMBING FIXTURES, NO CHANGE IN USE, EGRESS OR**  
**OCCUPANCY UNDER THIS**  
**DIRECTIVE 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121032122-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **3/30/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RELOCATED EXIST'G 28 GAS METERS INTO CELLAR. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121027361-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT A MIDROY**

Date: **3/8/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APT# 3D AS PER PLANS. NO CHANGE IN  
USE EGRESS,  
AND OCCUPANCY UNDER DIRECTIVE 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120999599-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **3/18/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z099748

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: SCIENTIFIC ELEC. CO. INC

### 969 AMSTERDAM AVE

Date: **8/9/2012**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT#5N AND 5S, MINOR PARTITION WORKS,  
PAINTING AND  
FLOORING, NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS  
APPLICATION**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 121337302-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: JIAJIE NI

## ADJOINING PROPERTY FINDINGS

Date: **6/29/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT# 2S, MINOR PARTITION WORKS, PAINTING AND  
FLOORING, NO  
CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121133834-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **6/21/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS .  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE. NO STORAGE PERMITTED ON SIDEWALK SHED. LIVE LOAD  
300PSF.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121120054-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **4/6/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**PLUMBING APPLICATION IS FILED IN CONJUNCTION WITH ALT#2 APPLICATION#**  
**120999580**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121032113-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL J PASSALACQUA**

Date: **3/6/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**INTERIOR RENOVATION, FLOORING, PAINTING AND MINOR PARTITION WORKS**  
**ON APT#3S, NO**  
**CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120999580-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **11/3/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z119544

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ID ELECTRIC CORP.

Date: **10/14/2008**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF NEW FIRE SUPPRESSION SYSTEM. GAS SHUT OFF VALVE  
FILED UNDER APP  
# 110173197**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 110354964-01-EW-FP

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: MUNTAZ KHAN

## ADJOINING PROPERTY FINDINGS

Date: **10/6/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z119307

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: BALANCE ELEC CONT'G CORP.

Date: **9/16/2008**

Permit Type: **SG**

Description: **SIGN -  
INSTALLATION OF AN ILLUMINATED CHANNEL LETTER SIGN, WORDING  
"WONDEE" NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **SIGN**

Work Class: SG - SIGN

Proposed Use:

Permit Number: 110302716-01-SG

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FENGHAIXU ZHANG

## ADJOINING PROPERTY FINDINGS

Date: **5/30/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR ALTERATION OF EXISTING STORE INCLUDING INSTALLATION OF  
COOKING  
EQUIPMENT, PLUMBING FIXTURES,MECHANICAL EQUIPMENT AND NEW  
STOREFRONT. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110173197-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN WASSERMAN**

Date: **5/20/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
INTERIOR ALTERATION OF EXISTING STORE INCLUDING INSTALLATION OF  
COOKING  
EQUIPMENT, PLUMBING FIXTURES,MECHANICAL EQUIPMENT AND NEW  
STOREFRONT. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110173197-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VIRACHART POKPOONIPAT**

## ADJOINING PROPERTY FINDINGS

Date: **5/20/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INTERIOR ALTERATION OF EXISTING STORE INCLUDING INSTALLATION OF  
COOKING  
EQUIPMENT, PLUMBING FIXTURES,MECHANICAL EQUIPMENT AND NEW  
STOREFRONT. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110173197-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VIRACHART POKPOONIPAT**

Date: **5/20/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR ALTERATION OF EXISTING STORE INCLUDING INSTALLATION OF  
COOKING  
EQUIPMENT, PLUMBING FIXTURES,MECHANICAL EQUIPMENT AND NEW  
STOREFRONT. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110173197-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VIRACHART POKPOONIPAT**

## ADJOINING PROPERTY FINDINGS

Date: **10/27/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z109815

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ALL WAYS ELECTRIC CORP.W

### 971 AMSTERDAM AVE

Date: **7/11/2014**

Permit Type: **AL**

Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
REMOVE MINOR PARTITIONS, CEILING AND REPLACE EXIST'G COUNTER TOP @  
APT#4N(4TH  
FL) .NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **ALTERATION**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 122066806-01-AL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: ALLEN YU

## ADJOINING PROPERTY FINDINGS

Date: 11/7/2013  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS .  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE.LIVE LOAD 300PSF.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140132461-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ROYAL ENGINEERING P.C.

Date: 11/7/2013  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALLATION OF TEMPORARY PIPE SCAFFOLD 48'HIGH ORIGINATING OFF  
SHED AS PER  
PLANS . NO CHANGE IN USE, EGRESS OR OCCUPANCY. PIPE SCAFFOLD SHALL  
COMPLY WITH  
CHAPTER #33 OF 2008 THE NYC BUILDING CODE. SIDEWALK SHED FILED UNDER  
SEPARATE  
APPLICATION FOR PUBLIC SAFETY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140132470-01-EQ-SF  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ROYAL ENGINEERING P.C.

## ADJOINING PROPERTY FINDINGS

Date: **11/4/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE ESCAPE  
FILE NEW FIRE ESCAPE AT FRONT OF BUILDING IN CONJUNCTION WITH  
PREVIOUS  
APPLICATION # 121588692. NO CHANGE IN USE AND OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140129947-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PHS CONSULTING & SERVICE CORP**

Date: **10/9/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - NO WORK  
FILE NEW FIRE ESCAPE AT FRONT OF BUILDING IN CONJUNCTION WITH  
PREVIOUS APPLICAT  
ION # 121588692. NO CHANGE IN USE AND OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121616260-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LKR CONSTRUCTION INC**

## ADJOINING PROPERTY FINDINGS

Date: **8/27/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
NEW PARTITION WALLS, AND PLUMBING WORK ON\_APT #2N & 2S. NO CHANGE  
IN USE EGRESS  
OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121588692-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CASE PLUMBING LLC 0000474-MP**

Date: **8/23/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
NEW PARTITION WALLS, AND PLUMBING WORK ON\_APT #2N & 2S. NO CHANGE  
IN USE EGRESS  
OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121588692-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **6/21/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS .  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE. NO STORAGE PERMITTED ON SIDEWALK SHED. LIVE LOAD  
300PSF.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121120027-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL SINGH**

Date: **3/23/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION FLOORING, PAINTING AND MINOR PARTITION WORK ON  
APT#3N, NO  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120999606-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: 11/24/2009  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INTERIOR RENOVATION FOR AN EXISTING STORE ON FIRST FLOOR. INSTALL**  
**PLUMBING**  
**FIXTURES AND MECHANICAL VENTILATION AS REQUIRED. NO CHANGE IN USE,**  
**EGRESS OR**  
**OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120236244-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOEL A COHEN

Date: 11/20/2009  
Permit Type: EQ  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE**  
**INTERIOR RENOVATION FOR AN EXISTING STORE ON FIRST FLOOR. INSTALL**  
**PLUMBING**  
**FIXTURES AND MECHANICAL VENTILATION AS REQUIRED. NO CHANGE IN USE,**  
**EGRESS OR**  
**OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120236244-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: LIE-JUN KUO

## ADJOINING PROPERTY FINDINGS

Date: 11/20/2009  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
INTERIOR RENOVATION FOR AN EXISTING STORE ON FIRST FLOOR. INSTALL  
PLUMBING  
FIXTURES AND MECHANICAL VENTILATION AS REQUIRED. NO CHANGE IN USE,  
EGRESS OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120236244-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MICHAEL KUO

Date: 11/20/2009  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION FOR AN EXISTING STORE ON FIRST FLOOR. INSTALL  
PLUMBING  
FIXTURES AND MECHANICAL VENTILATION AS REQUIRED. NO CHANGE IN USE,  
EGRESS OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120236244-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: LIE-JUN KUO

## ADJOINING PROPERTY FINDINGS

Date: **10/15/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z123585

Status: ASSIGNED TO INSPECTOR

Valuation: \$0.00

Contractor Company:

Contractor Name: AL-LECTRIC ELECT'L CONTRG

### 973 AMSTERDAM AVE

Date: **12/16/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z124265

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: P.N. TRAMANTANO.LIC ELCTR

## ADJOINING PROPERTY FINDINGS

Date: **5/2/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE COOKING EQUIPMENT IN CONJUNCTION WITH JOB#110025534, AS SHOWN ON PLAN.**  
**NO CHANGE IN USE, OCCUPANCY, OR EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110136264-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DOMINGO VALERA**

Date: **6/30/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z105447**  
Status: **NO ACCESS**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NORWAY ELECTRIC CORP.**

## ADJOINING PROPERTY FINDINGS

974 AMSTERDAM AVE

Date: 9/16/2013  
Permit Type: EQ  
Description: ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
FILING IN CONJUNCTION WITH APPLIC# 121543650 FOR MINOR INTERIOR WORK;  
NEW WOOD  
COUNTER; WALL FINISHES & TO REPLACE EXISTING STOREFRONT. ALL WORK  
AS PER  
PROPOSED PLAN. NO CHANGE IN USE; EGRESS OR OCCUPANCY

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: COMMERCIAL BUILDINGS - OLD CODE  
Permit Number: 121780830-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: E & H CONSTRUCTION GROUP

Date: 9/16/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
FILING IN CONJUNCTION WITH APPLIC# 121543650 FOR MINOR INTERIOR WORK;  
NEW WOOD  
COUNTER; WALL FINISHES & TO REPLACE EXISTING STOREFRONT. ALL WORK  
AS PER  
PROPOSED PLAN. NO CHANGE IN USE; EGRESS OR OCCUPANCY

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: COMMERCIAL BUILDINGS - OLD CODE  
Permit Number: 121780830-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: E & H CONSTRUCTION GROUP

## ADJOINING PROPERTY FINDINGS

Date: **4/16/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
FILING TO INSTALL NEW FIRE SUPPRESSION SYSTEM. GAS SHUT OFF VALVE  
FILED UNDER  
APPLICATION #121543650. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121564725-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUE FIRE SYSTEMS INC 0000978-FS**

Date: **4/8/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALLATION OF COOKING EQUIPMENT AND S/S HOOD WITH EXHAUST DUCT.  
NO CHANGE IN  
USE, OCCUPANCY AND MEANS OF EGRESS IS INVOLVED UNDER THIS  
APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121543650-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SP PLUMBING AND HEATING 0002260-MP**

## ADJOINING PROPERTY FINDINGS

Date: **3/8/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALLATION OF COOKING EQUIPMENT AND S/S HOOD WITH EXHAUST DUCT.  
NO CHANGE IN  
USE, OCCUPANCY AND MEANS OF EGRESS IS INVOLVED UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121543650-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUES FIRE SYSTEMS INC**

Date: **3/27/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
PROPOSED INTERIOR RENOVATION IN EXISTINGSTORE. NO CHANGE IN USE  
GROUP, O  
CCUPANCY OR EGRESS UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104232536-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE GROSSMAN**

## ADJOINING PROPERTY FINDINGS

Date: **3/23/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - CONSTR  
PROPOSED INTERIOR RENOVATION IN EXISTINGSTORE. NO CHANGE IN USE  
GROUP, O  
CCUPANCY OR EGRESS UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104232536-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EUSEBIO BANKS**

### 975 AMSTERDAM AVE

Date: **11/19/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALL FIRE SUPPRESSION SYSTEM UNDER THE KITCHEN HOOD. U.G.#6 (THIS  
APPLICATION  
IS FILED IN CONJUNCTION WITH JOB #122101144.) NO CHANGE IN EGRESS,  
OCCUPANCY OR  
USE IS INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122126706-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES B ZHOU**

## ADJOINING PROPERTY FINDINGS

Date: 11/3/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
RENOVATE EXISTING STORE FOR EATING AND DRINKING ESTABLISHMENT  
INCLUDING  
INSTALLATION OF PARTITION WALLS, PLUMBING FIXTURE, NEW STOREFRONT  
AND HVAC UNITS  
AS PER PLAN. U.G.#6 NO CHANGE IN EGRESS, OCCUPANCY OR USE IS  
INVOLVED UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122101144-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHIN S KHOO

Date: 11/3/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE EXISTING STORE FOR EATING AND DRINKING ESTABLISHMENT  
INCLUDING  
INSTALLATION OF PARTITION WALLS, PLUMBING FIXTURE, NEW STOREFRONT  
AND HVAC UNITS  
AS PER PLAN. U.G.#6 NO CHANGE IN EGRESS, OCCUPANCY OR USE IS  
INVOLVED UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122101144-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHIN S KHOO

## ADJOINING PROPERTY FINDINGS

Date: 11/3/2014  
Permit Type: EQ  
Description: ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
RENOVATE EXISTING STORE FOR EATING AND DRINKING ESTABLISHMENT  
INCLUDING  
INSTALLATION OF PARTITION WALLS, PLUMBING FIXTURE, NEW STOREFRONT  
AND HVAC UNITS  
AS PER PLAN. U.G.#6 NO CHANGE IN EGRESS, OCCUPANCY OR USE IS  
INVOLVED UNDER THIS  
APPLICATION.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122101144-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHIN S KHOO

Date: 1/6/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FIRE SUPPRESSION  
MODIFICATION OF KITCHEN FIRE SUPPRESSION SYSTEM. NO CHANGE IN USE  
EGRESS  
OR OCCUPANCY

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104287077-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PETER MARTINEZ

## ADJOINING PROPERTY FINDINGS

976 AMSTERDAM AVE

Date: **5/24/2013**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF AN ILLUMINATED ACCESSORY BUSINESS WALL SIGN  
READING : DR DUANE  
READE**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use: **A**  
Permit Number: **121608000-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RED HOOK SIGN AND ELECT 0000197-SI**

Date: **5/24/2013**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF A NON-ILLUMINATED ACCESSORY BUSONESS WALL SIGN  
READING :  
PHARMACY RX**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use: **A**  
Permit Number: **121608019-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RED HOOK SIGN AND ELECT 0000197-SI**

## ADJOINING PROPERTY FINDINGS

Date: **5/13/2013**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF A NON-ILLUMINATED ACCESSORY BUSINESS WALL SIGN  
READING : DR**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use: **A**  
Permit Number: **121608028-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RED HOOK SIGN AND ELECT 0000197-SI**

Date: **5/13/2013**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF AN ILLUMINATED ACCESSORY BUSINESS WALL SIGN  
READING : DUANE  
RADE**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use: **A**  
Permit Number: **121608037-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RED HOOK SIGN AND ELECT 0000197-SI**

## ADJOINING PROPERTY FINDINGS

### 982 AMSTERDAM AVE

Date: **11/25/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALLATION OF NEW HVAC UNIT WITH DUCT WORK. NO CHANGE IN USE,  
EGRESS AND  
OCCUPANCY IS INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110279902-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JEONG D KIM**

Date: **8/12/2008**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -  
PROPOSED APPLICATION TO BE CHANGE OF USE FROM E TO F-4. MINOR  
PARTITION WORK  
UNDER THIS APPLICATION. AMEND C OF O IS REQUIRED.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **110098304-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICK THATOS**

## ADJOINING PROPERTY FINDINGS

Date: **4/17/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z116874

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: FIBERTEK DATA & ELEC CORP

Date: **3/20/2008**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
PROPOSE RENOVATE EXISTING EATING AND DRINKING ESTABLISHMENT  
SPACE WITH MINOR P  
ARTITION, INTERIOR FINISHED WORKS, INSTALL PLUMBING, GAS WORK AND  
HVAC WORK AS  
PER PLAN. THIS APPLICATION FILED IN CONJUNCTION WITH ALT 1 #310000000.  
NO CHAN  
GE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 110104039-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: MATHEW WEISS

## ADJOINING PROPERTY FINDINGS

Date: **3/20/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z116404

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: Y.S. ELECTRIC

Date: **3/12/2008**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - MECH/HVAC  
PROPOSE RENOVATE EXISTING EATING AND DRINKING ESTABLISHMENT  
SPACE WITH MINOR P  
ARTITION, INTERIOR FINISHED WORKS, INSTALL PLUMBING, GAS WORK AND  
HVAC WORK AS  
PER PLAN. THIS APPLICATION FILED IN CONJUNCTION WITH ALT 1 #310000000.  
NO CHAN  
GE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 110104039-01-EW-MH

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: NICK THATOS

## ADJOINING PROPERTY FINDINGS

Date: **3/12/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
PROPOSE RENOVATE EXISTING EATING AND DRINKING ESTABLISHMENT  
SPACE WITH MINOR P  
ARTITION, INTERIOR FINISHED WORKS, INSTALL PLUMBING, GAS WORK AND  
HVAC WORK AS  
PER PLAN. THIS APPLICATION FILED IN CONJUNCTION WITH ALT 1 #310000000.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110104039-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICK THATOS**

Date: **1/29/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - FENCE  
INSTALL TEMPORARY WOOD FENCE IN CONJUNCTION WITH ALT II # 110058446.  
NO CHANGE  
IN USE, EGRESS AND OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **110081125-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICK THATOS**

## ADJOINING PROPERTY FINDINGS

Date: **1/10/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONST.  
PROPOSED MINOR PARTITION, INTERIOR FINIS HED WORK, PLUMBING WORK,  
REPAIR  
AND INSTALL STOREFRONT AS PER PLAN. NO C HANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110058446-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICK THATOS**

### 983 AMSTERDAM AVE

Date: **6/3/2009**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
RENOVATION OF THE EXISTING SALES SPACE NO CHANGE IN USE, BALKS,  
FLOOR AREA OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120054350-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ADAM IAZBEK**

## ADJOINING PROPERTY FINDINGS

Date: **6/3/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
RENOVATION OF THE EXISTING SALES SPACE NO CHANGE IN USE, BALKS,  
FLOOR AREA OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120054350-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ADAM IAZBEK**

Date: **6/3/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
RENOVATION OF THE EXISTING SALES SPACE NO CHANGE IN USE, BALKS,  
FLOOR AREA OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120054350-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ADAM IAZBEK**

## ADJOINING PROPERTY FINDINGS

Date: **5/5/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z121545

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: VEGA ELECTRIC CORP.

Date: **7/24/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108922

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: OHM'S ELECTRICAL CORP

## ADJOINING PROPERTY FINDINGS

Date: **3/17/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Install Heavy duty Sidewalk Shed 45' long at 983 Amsterdam Avenue-in**  
**conjunction with application #103820652 Work shall comply with LL33/91. No**  
**change in use egress or occupancy.No storage permitted on sidewalk Shed. Live**  
**load 300PSF**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104220923-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEWAZ AKTHAR**

Date: **3/14/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 1 - CONSTRUCTION EQUIPMENT - FENCE**  
**New kitchen, baths, partitions, and miscellaneous reapiers. Obtain new**  
**Certificate of Occupancy. Sprinkler application to be filed under a separate**  
**application.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **103820652-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEWARZ AKTHAR**

## ADJOINING PROPERTY FINDINGS

Date: **3/14/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - OTHER**  
**Install construction Chute in conjunction with Application#103820652- as per plans filed . No change in use egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104220914-01-EQ-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEWAZ AKTHAR**

Date: **3/14/2006**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -**  
**New kitchen, baths, partitions, and miscellaneous reapirs. Obtain new Certificate of Occupancy. Sprinkler application to be filed under a separate application.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **103820652-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEWARZ AKTHAR**

## ADJOINING PROPERTY FINDINGS

Date: 1/26/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - BOILER  
REPLACE LOW PRESSURE BOILER. INSTALL GAS HW HEATER. MAKE FINAL  
CONNECTIO  
N TO GAS PIPING FILED UNDER APPLICATION103820652. INSTALL METAL GAS  
VENT.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104334445-01-EW-BL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PAUL PADDOCK

Date: 1/26/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONST.  
REPLACE LOW PRESSURE BOILER. INSTALL GAS HW HEATER. MAKE FINAL  
CONNECTIO  
N TO GAS PIPING FILED UNDER APPLICATION103820652. INSTALL METAL GAS  
VENT.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104334445-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHRISTOPHER KAY

## ADJOINING PROPERTY FINDINGS

Date: **1/26/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE LOW PRESSURE BOILER. INSTALL GAS HW HEATER. MAKE FINAL**  
**CONNECTIO**  
**N TO GAS PIPING FILED UNDER APPLICATION103820652. INSTALL METAL GAS**  
**VENT.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104334445-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL PADDOCK**

Date: **9/30/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER**  
**Installation of Sprinkler System. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103820661-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES JAMES**

## ADJOINING PROPERTY FINDINGS

Date: **9/20/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1**  
**New kitchen, baths, partitions, and miscellaneous repairs. Obtain new Certificate of Occupancy. Sprinkler application to be filed under a separate application.**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **103820652-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES JAMES**

Date: **5/25/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z106242**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TECHNO-VOLT ELEC, INC**

## ADJOINING PROPERTY FINDINGS

### 985 AMSTERDAM AVE

Date: 1/11/2007  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONST.  
INSTALL NEW STEEL GIRDER AND COLUMN SUPPORTS AT FIRST FLOOR  
CEILINGS TO  
SUPPORT EXISTING WALL ABOVE. NO CHANGE TO OCCUPANCY, USE OR  
EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104624970-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JERRY MIGDOL

Date: 1/27/2005  
Permit Type: EW  
Description: ALTERATION TYPE 2 - BOILER  
REPLACE TWO (2) GAS BOILERS WITH ONE GAS BOILER (NYC BOILER NO. MD  
27355-01).  
NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104011285-01-EW-BL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: SANTO GIAMPAPA

## ADJOINING PROPERTY FINDINGS

Date: **1/27/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE TWO (2) GAS BOILERS WITH ONE GAS BOILER (NYC BOILER NO. MD**  
**27355-01).**  
**NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104011285-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SANTO GIAMPAPA**

### **987 AMSTERDAM AVE**

Date: **9/25/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**REPLACE EXISTING WOOD STAIR FROM FIRST TO SECOND FLOOR AS PER**  
**PLAN. NO CHANGE**  
**IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120815993-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

988 AMSTERDAM AVE

Date: 5/7/2008  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF FIRE SUPPRESSIOM, HOOD AND DUCT WORKS TO ROOF. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110145664-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PETER MARTINEZ

Date: 5/7/2008  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
INSTALLATION OF FIRE SUPPRESSIOM, HOOD AND DUCT WORKS TO ROOF. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110145664-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PETER MARTINEZ

## ADJOINING PROPERTY FINDINGS

989 AMSTERDAM AVE

Date: 2/20/2015  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
ERECT A TOTAL OF 35 LINEAR FEET BY 8-14 FEET APPROXIMATE HIGH HEAVY  
DUTY  
SIDEWALK SHED, PER DRAWINGS, RATED FOR 300 LBS PER SQUARE FOOT.  
INSTALLATION  
SHALL COMPLY WITH BSA-351-74-SM, LL-33/91, CHAPTER 33, SECTION 3307 OF  
2008 NYC  
DOB BUILDING CODE, AND TPPN # 9/99. NO CHANGE IN EGRESS, OCCUPANCY  
OR USE  
ASSOCIATED WITH THIS PERMIT.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 122268241-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: NORBERT WLODKOWSKI

Date: 2/20/2015  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
ERECT A TOTAL OF 130 LINEAR FEET BY 70 FEET APPROXIMATE HEIGHT OF  
TUBULAR  
SCAFFOLD STRUCTURE, PER DRAWINGS. INSTALLATION SHALL COMPLY WITH  
BSA-362-44-SM,  
LL-52/05 CHAPTER 33, SECTION 3314 OF 2008 NYC BC AND TPPN # 9/99. NO  
CHANGE IN  
EGRESS, OCCUPANCY OR USE ASSOCIATED WITH THIS PERMIT.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 122268820-01-EQ-SF  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: NORBERT D WLODKOWSKI

## ADJOINING PROPERTY FINDINGS

Date: **6/5/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z100721

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: PHONG ELECTRIC INC.

### 990 AMSTERDAM AVE

Date: **12/23/2013**

Permit Type: **AL**

Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
FILING APPLICATION TO REMOVE EXISTING NON-COMPLIANCE HANDICAPPED  
RAMP. ALL WORK  
AS PER SUBMITTED PLAN. NEW HC RAMP TO BE FILED SEPARATELY. NO  
CHANGE IN USE,  
EGRESS OR OCCUPANCY**

Permit Description: **ALTERATION**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use: COMMERCIAL BUILDINGS - OLD CODE

Permit Number: 121662101-01-AL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: BCS CONSTRUCTION SERVICES

## ADJOINING PROPERTY FINDINGS

Date: **3/1/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
FILING TO INSTALL NEW FIRE SUPPRESSION SYSTEM. ALL COOKING  
EQUIPMENT IS  
ELECTRIC,NO GAS VALUE NEEDED.NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **ASSEMBLY: EATING & DRINKING**  
Permit Number: **121531798-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUE FIRE SYSTEMS INC 0000978-FS**

Date: **2/14/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
RENOVQATION OF STORE, INCLUDING INSTALLATION OF ELECTRIC COOKING  
EQUIPMENT AND  
S/S HOOD WITH EXHAUST DUCT. NO CHANGE IN USE, OCCUPANCY AND MEANS  
OF EGRESS IS  
INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121531805-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUES FIRE SYSTEMS INC**

## ADJOINING PROPERTY FINDINGS

### 991 AMSTERDAM AVE

Date: **3/11/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
LIMITED EXTERIOR REPAIRS ALONG THE REAR AND COURTYARD ELEVATIONS.  
NO CHANGE IN  
USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120202645-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ZBIGNIEW JAKUBIAK**

Date: **11/11/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z119705**  
Status: **CLOSED/CANCELLED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENOVESE ELEC & MTN INC**

## ADJOINING PROPERTY FINDINGS

Date: **11/22/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z114792

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: JOHN CAPPELLI ELEC'L INST

Date: **2/6/2006**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - NO WORK**

**No work under this application. Application filed to obtain administrative sign-off for apartment combination. All work filed by the City of New York (HPD) and permitted under application number ALT 274/85. Work to be signed off under Directive 14. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104333277-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: AROLDO MARQUEZ

## ADJOINING PROPERTY FINDINGS

### 992 AMSTERDAM AVE

Date: 11/4/2011  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR REMEDIAL REPAIRS AS PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER # 33 OF THE 2008 CODE.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 120884640-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: DENNIS CLARKE

Date: 3/1/2005  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC RENOVATE EXISTING COMMERCIAL STORE FOR TAKEOUT RESTAURANT. No change of room counts. No change in egress, use or occupancy is involved under this application.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104023316-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHENG-KUANG CHEN

## ADJOINING PROPERTY FINDINGS

Date: **3/1/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RENOVATE EXISTING COMMERCIAL STORE FOR TAKEOUT RESTAURANT. No  
change of room  
counts. No change in egress, use or occupancy is involved under this  
application.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104023316-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHENG-KUANG CHEN**

### **993 AMSTERDAM AVE**

Date: **8/1/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
General construction including drywall partitions and plumbing revisions on the  
3rd floor. No change to occupancy, use or egress.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104581267-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY DISABATO**

## ADJOINING PROPERTY FINDINGS

Date: **6/26/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
VAULT REPAIRS, NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110011530-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WAYNE BELLET**

Date: **7/10/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
PROPOSED INTERIOR RENOVATION TO APARTMENT 4B ON 4TH FLOOR. MINOR  
PARTITION  
WORK, AND MINOR PLUMBING WORK, AS PER PLANS. NO CHANGE IN USE  
EGRESS AND  
OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104570331-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

## ADJOINING PROPERTY FINDINGS

Date: **2/14/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONST.  
PROPOSED INTERIOR RENOVATION TO APARTMENT 4B ON 4TH FLOOR. MINOR  
PARTITION  
WORK, AND MINOR PLUMBING WORK, AS PER PLANS. NO CHANGE IN USE  
EGRESS AND  
OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104570331-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MAX SOTO**

Date: **2/10/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z110658**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DENMAR ELECTRIC CORP**

## ADJOINING PROPERTY FINDINGS

Date: **10/31/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**General construction including drywall partitions and plumbing revisions on the 3rd floor. No change to occupancy, use or egress.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104581267-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NIKI SINCLAIR**

Date: **4/21/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATION TO AN EXISTING APARTMENT TO INCLUDE GENERAL CONSTR. AND PLUMBING WORK AS PER PLANS FILED HEREWITH. NO CHANGE TO USE, EGRESS OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104316759-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ERROL SMALL**

## ADJOINING PROPERTY FINDINGS

Date: **1/24/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RENOVATION TO AN EXISTING APARTMENT TO INCLUDE GENERAL CONSTR.AND  
PLUMBING WORK AS PER PLANS FILED HEREWITH. NO CHANGE TO USE,  
EGRESS OR OC  
CUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104316759-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN OSTOP**

Date: **12/27/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z106937**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN H. MOORE**

## ADJOINING PROPERTY FINDINGS

### 994 AMSTERDAM AVE

Date: **3/25/2005**  
Permit Type:  
Description:  
  
Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z104292  
Status: AWAITING INSPECTION REQUEST  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: NORWAY ELECTRIC CORP.

Date: **3/9/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
REPLACE AUTOMATIC FIRE SUPPRESSION SYSTEM IN EXISTING KITCHEN  
RANGEHOOD. NO  
CHANGE IN USE, EGRESS AND OCCUPANCY. COOKING EQUIPMENTS WERE  
FILED IN  
104023316.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104050759-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHARLES ZHOU

## ADJOINING PROPERTY FINDINGS

### 997 AMSTERDAM AVE

Date: 4/29/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
MAKE MODIFICATIONS TO CON EDISON'S WEST 110TH STREET SUB STATION  
FIRE PROTECTION  
PIPING. RUN NEW 6" PIPING OVERHEAD FROM THE SIAMESE CONNECTION TO  
THE FIRE PUMP  
ROOM. THERE IS NO CHANGE IN USE, OCCUPANCY, EGRESS OR FLOR AREA  
UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140155258-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GREGORY QUATTLANDER

Date: 4/29/2014  
Permit Type: EQ  
Description: ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - OTHER  
MAKE MODIFICATIONS TO CON EDISON'S WEST 110TH STREET SUB STATION  
FIRE PROTECTION  
PIPING. RUN NEW 6" PIPING OVERHEAD FROM THE SIAMESE CONNECTION TO  
THE FIRE PUMP  
ROOM. THERE IS NO CHANGE IN USE, OCCUPANCY, EGRESS OR FLOR AREA  
UNDER THIS  
APPLICATION.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140155258-01-EQ-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GREGORY QUATTLANDER

## ADJOINING PROPERTY FINDINGS

Date: **4/29/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER  
MAKE MODIFICATIONS TO CON EDISON'S WEST 110TH STREET SUB STATION  
FIRE PROTECTION  
PIPING. RUN NEW 6" PIPING OVERHEAD FROM THE SIAMESE CONNECTION TO  
THE FIRE PUMP  
ROOM. THERE IS NO CHANGE IN USE, OCCUPANCY, EGRESS OR FLOR AREA  
UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140155258-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GREGORY QUATTLANDER**

Date: **2/22/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALL NEW FM200 CLEAN AGENT SYSTEM (FIRE ALARM APPLICATION FILED  
UNDER  
SEPERATE DOB APPLICAION NUMBER).**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121129901-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **METRO PROTECTION SYST.INC 0000947-FS**

## ADJOINING PROPERTY FINDINGS

Date: **10/28/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
PLUMBING WORK IN ASSOCIATION WITH APPLICATION NUMBER 110383852 AT  
CON EDISON'S  
WEST 110 STREET SUBSTATION. THERE IS NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120182836-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT FIDUCCIA**

Date: **9/26/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REPLACE EXISTING PIPING TO TRANSFORMER DELUGE RINGS AND  
CONSTRUCT VALVE  
ENCLOSURES.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110383852-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARNOLD KLINE**

## ADJOINING PROPERTY FINDINGS

Date: **9/6/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER  
REPLACE EXISTING PIPING TO TRANSFORMER DELUGE RINGS AND  
CONSTRUCT VALVE  
ENCLOSURES.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110383852-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT M LANCELOTTI**

### **998 AMSTERDAM AVE**

Date: **5/1/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z111947**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEW YORK CITY ELECTRIC IN**

## ADJOINING PROPERTY FINDINGS

### CATHEDRAL PKWY

#### 419 CATHEDRAL PKWY

Date: 5/23/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED 40 ' DURING FACADE  
REPAIR .NO CHANGE  
IN USE EGRESS OR. OCCUPANCY. SHED TO COMPLY WITH LL33/99 AND TPPN  
9/99

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104438413-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: THOMAS DEL MASTRO

Date: 5/23/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALLATION OF SCAFFOLD 200' LONG X 74' HIGH DURING FACADE  
REPAIR .NO CHANGE  
IN USE EGRESS OR. OCCUPANCY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104438422-01-EQ-SF  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: THOMAS DEL MASTRO

## ADJOINING PROPERTY FINDINGS

### COLUMBUS AVE

#### 1003 COLUMBUS AVE

Date: 3/31/2010  
Permit Type: AL  
Description: ALTERATION TYPE 3 - AWNING  
INSTALL AWNING

Permit Description: ALTERATION  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 120290862-01-AL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHANG HAHN

Date: 1/30/2006  
Permit Type:  
Description:

Permit Description: ELECTRICAL  
Work Class:  
Proposed Use:  
Permit Number: Z107559  
Status: AWAITING INSPECTION REQUEST  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: WALLICCAN ELEC'L CONTR IN

## ADJOINING PROPERTY FINDINGS

950 COLUMBUS AVE

Date: 4/7/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - INTERIOR RENOVATION  
JOB FILED TO DO GENERAL CONSTRUCTION IN EXISTING COMMERCIAL SPACE  
AND INSTALL  
NEW PLUMBING FIXTURES FOR NEW NAIL SALON IN EXISTING COMMERCIAL  
SPACE . NO  
CHANGE TO EGRESS OR OCCUPANCY UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121932882-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JAYARRE SCOTT

Date: 4/7/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
JOB FILED TO DO GENERAL CONSTRUCTION IN EXISTING COMMERCIAL SPACE  
AND INSTALL  
NEW PLUMBING FIXTURES FOR NEW NAIL SALON IN EXISTING COMMERCIAL  
SPACE . NO  
CHANGE TO EGRESS OR OCCUPANCY UNDER THIS APPLICATION.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121932882-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RAYMOND W RODNITE

## ADJOINING PROPERTY FINDINGS

Date: **11/24/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z109741

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: JOHN CAPPELLI ELEC'L INST

Date: **11/24/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z106612

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: JOHN CAPPELLI ELEC'L INST

Date: **11/24/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z102239

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: JOHN CAPPELLI ELEC'L INST

## ADJOINING PROPERTY FINDINGS

### 953 COLUMBUS AVE

Date: **10/15/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APT#3N, MINOR PARTITION WORKS,  
PAINTING AND  
FLOORING, NO CHANGE IN USE EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140265530-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **6/21/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL GAS HOT WATER HEATER AND STORAGE TANK.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121691785-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HI-TECH HTG SPEC INC 0000989-MP**

## ADJOINING PROPERTY FINDINGS

Date: **9/14/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 121367608-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **9/6/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE OIL BURNER WITH GAS BURNER ON NYC BOILER NO. MD903511-01.  
INSTALL NEW  
GAS SERVICE, METER AND PIPING.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121367608-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RAYMOND A MUCCI

## ADJOINING PROPERTY FINDINGS

Date: **7/11/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE EXISTING MIXED USE BUILDING. RENOVATE FACADE,RENOVATE  
APT.1F.RENOVATE  
LOBBY.NO CHANGE TO EGRESS,USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121099907-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMAR FARUQ**

Date: **6/19/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121117736-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HARJIT SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **9/12/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z113943

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: A.C.G. ELECT. CO., INC.

Date: **7/17/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z113252

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: BELMONT ELECTRICAL, INC

## ADJOINING PROPERTY FINDINGS

Date: 9/21/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF 25 LINEAR FEET OF HEAVY DUTY SIDEWALK  
SHED FOR  
REMEDIAL REPAIRS. SIDEWALK SHED SHALL COMPLY WITH LL 33/91. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PSF. NO  
STORAGE ON  
SIDEWALK SHED.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104552618-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AMRIK SINGH

Date: 5/25/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FUEL STORAGE  
REMOVE TWO (2) 275 GALLON FUEL OIL TANKS AND INSTALL REPLACEMENT  
1500 GALLON  
ABOVEGROUND OIL TANK. NO CHANGE IN EGRESS, OCCUPANCY OR USE  
UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104435096-01-EW-FS  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: IRVING BAUER

## ADJOINING PROPERTY FINDINGS

Date: **5/25/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
REMOVE TWO (2) 275 GALLON FUEL OIL TANKS AND INSTALL REPLACEMENT  
1500 GALLON  
ABOVEGROUND OIL TANK. NO CHANGE IN EGRESS, OCCUPANCY OR USE  
UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104435096-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **IRVING BAUER**

### 961 COLUMBUS AVE

Date: **2/12/2015**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 1A AS PLAN. MINOR  
PARTITION, PAINTING  
AND FLOORING AT THIS APPLICATION. NO CHANGE IN OCCUPANCY, USE AND  
EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140309529-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **8/21/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
APPLICATION HEREWITH FILE TO INSTALL UL 300 FIRE SUPPRESSION SYSTEM  
ONLY. THERE  
SHALL BE NO CHANGE IN USE EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121179875-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL J KERR**

Date: **8/10/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE EXISTING MIXED USE BUILDING.RENOVATE FACADE. NO CHANGE  
TO EGRESS,USE OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121115514-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMAR FARUQ**

## ADJOINING PROPERTY FINDINGS

Date: **8/2/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF PIZZERIA. NO CHANGE IN USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121135324-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALBERT CHANG**

Date: **8/1/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALL HVAC UNIT ON DUNNAGE. APPLICATION FILED IN CONJUNCTION WITH  
#121135324.  
NO CHANGE IN USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121160545-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALBERT CHANG**

## ADJOINING PROPERTY FINDINGS

Date: **7/25/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE OIL BURNER WITH GAS BURNER ON EXISTING BOILER (NYC BOILER**  
**NO. MD**  
**76656-01) AND INSTALL NEW GAS SERVICE, METER AND PIPING.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121163472-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

Date: **7/11/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INTERIOR RENOVATION OF PIZZERIA. NO CHANGE IN USE, EGRESS, OR**  
**OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121135324-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GERI K CASH**

## ADJOINING PROPERTY FINDINGS

Date: **6/19/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121117754-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HARJIT SINGH**

Date: **11/16/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z114971**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PS&E ELECTRIC CONTRS INC**

## ADJOINING PROPERTY FINDINGS

Date: **9/20/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
REPLACEMENT OF STORE FRONT, ROLL UP GATE AND INSTALLATION OF DROP  
CEILING. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104188683-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JUNG J PARK**

Date: **8/5/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
REPLACEMENT OF STORE FRONT, ROLL UP GATE AND INSTALLATION OF DROP  
CEILING. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104188683-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JUNG J PARK**

## ADJOINING PROPERTY FINDINGS

### 971 COLUMBUS AVE

Date: **1/15/2015**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**SEE COMMENTS IN SECTION 24**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121767150-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **H & F PLUMBING INC 0001350-MP**

Date: **12/23/2014**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -**  
**REMODEL COMMERCIAL SPACE ON FIRST FLOOR. CONVERT CELLAR INTO**  
**COMMERCIAL SPACE.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **121827880-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

## ADJOINING PROPERTY FINDINGS

Date: **12/23/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
SEE COMMENTS IN SECTION 24**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121767150-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SCS UNION REALTY CO LLC**

### 973 COLUMBUS AVE

Date: **10/17/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APT# 3D, MINOR PARTITION WORKS,  
PAINTING, AND  
FLOORING, NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140265512-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

## ADJOINING PROPERTY FINDINGS

Date: **10/24/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE GAS BOILER (NYC BOILER NO. MD 76657-01) AND REPLACE GAS HOT  
WATER HEATER  
WITH GAS DOMESTIC HOT WATER BOILER AND ONE STORAGE TANK.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121419642-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

Date: **10/24/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE GAS BOILER (NYC BOILER NO. MD 76657-01) AND REPLACE GAS HOT  
WATER HEATER  
WITH GAS DOMESTIC HOT WATER BOILER AND ONE STORAGE TANK.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121419642-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

## ADJOINING PROPERTY FINDINGS

Date: **8/10/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE EXISTING MIXED USE BUILDING. RENOVATE FACADE. NO CHANGE  
TO EGRESS,USE  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121114659-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMAR FARUQ**

Date: **6/19/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121117745-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HARJIT SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **10/5/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE GAS BOILER. NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104901475-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN ROSENBERG**

Date: **1/24/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z115753**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PS&E ELECTRIC CONTRS INC**

## ADJOINING PROPERTY FINDINGS

Date: **9/18/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE GAS BOILER. NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER  
THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104901475-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN ROSENBERG**

### 980 COLUMBUS AVE

Date: **10/31/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SIDEWALK SHED 45' LONG AS PER PLANS  
DURING GENERAL  
CONSTRUCTION WORK. NO CHANGE IN USE, EGRESS OR OCCUPANCY.  
SIDEWALK SHED TO  
COMPLY WITH CHAPTER 33 OF NYC BUILDING CODE OF 2008.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **122116879-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FARI HAMA**

## ADJOINING PROPERTY FINDINGS

Date: **11/29/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
FACADE REPAIRS AS INDICATED ON DRAWINGS. NO CHANGE IN OCCUPANCY,  
USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120860103-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE EXTERIOR RESTORA**

Date: **9/6/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF 460 LINEAR FEET OF HEAVY DUTY SIDEWALK SHED FOR  
BUILDING  
ALTERATION FILED SEPARATELY. LIVE LOAD 300 PSF. SIDEWALK SHED SHALL  
COMPLY WITH  
CHAPTER #33 OF THE 2008 CODE. NO CHANGE IN USE, OCCUPANCY OR  
EGRESS UNDER THIS  
APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120883240-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **REPUBLIC SCAFFOLD&HOIST C**

## ADJOINING PROPERTY FINDINGS

Date: **8/26/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120725313-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

Date: **8/26/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120725322-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

## ADJOINING PROPERTY FINDINGS

Date: **3/11/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - FENCE  
INSTALLATION OF A FENCE ENCLOSURE AS PER DRAWINGS DURING BUILDING  
ALTERATION  
FILED SEPARATELY. FENCE ENCLOSURE SHALL COMPLY WITH CHAPTER #33  
OF THE 2008  
CODE. NO CHANGE IN USE, OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120526591-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FARI HAMA**

Date: **11/5/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z128166**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BLAZE ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **11/5/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z128222

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: SHUIR ELEC'L CONTR'S CORP

Date: **11/3/2010**

Permit Type: **EQ**

Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
GENERAL CONSTRUCTION MODIFICATIONS TO THE STOREFRONT AS  
INDICATED ON DRAWINGS.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120504374-01-EQ-FN

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: GLENN LEVEY

## ADJOINING PROPERTY FINDINGS

Date: **11/3/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
GENERAL CONSTRUCTION MODIFICATIONS TO THE STOREFRONT AS  
INDICATED ON DRAWINGS.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120504374-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GLENN LEVEY**

Date: **7/21/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE EXISTING HOT WATER HEATER WITH NEW AT CELLAR & REPLACE  
EXISTING HVAC  
WITH NEW AT OPEN SPACE. NO CHANGE IN USE, MEANS OF EGRESS OR  
OCCUPANCY IN THIS  
APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120330702-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MATHEW WEISS**

## ADJOINING PROPERTY FINDINGS

Date: **1/29/2010**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
MINOR INTERIOR RENOVATION TO REPAIR & REPAINT PARTITION, WALLS &  
CEILING AND  
REPLACE FLOOR TILES AS SHOWN ON PLANS ON EXISTING 1ST FLOOR STORE**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120253698-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHONG SON**

Date: **1/8/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z124431**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RONNART ELECTRIC CO.**

## ADJOINING PROPERTY FINDINGS

Date: **12/26/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z124329

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: BLAZE ELECTRIC INC.

Date: **2/14/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110766

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBERT GARCIA ELECL CONT

## ADJOINING PROPERTY FINDINGS

Date: **11/13/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE GAS FIRED DOMESTIC HOT WATER BOILER AND STORAGE TANK. NO  
CHANGE IN  
EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104594985-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VITO VACIRCA**

Date: **11/13/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE GAS FIRED DOMESTIC HOT WATER BOILER AND STORAGE TANK. NO  
CHANGE IN  
EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104594985-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VITO VACIRCA**

## ADJOINING PROPERTY FINDINGS

Date: **2/18/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Installation of 400 linear feet of light duty sidewalk shed for waterproofing  
and repointing of facade only. All work to comply with LL 33/91. No change of  
use, egress or occupancy under this application.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103635390-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMRIK SINGH**

### 981 COLUMBUS AVE

Date: **12/31/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALLATION OF KITCHEN FIRE SUPPRESSION SYSTEM FOR DAYCARE  
CENTER. NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121594667-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VALENTINO BUONO**

## ADJOINING PROPERTY FINDINGS

Date: **5/1/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF KITCHEN FIRE SUPPRESSION SYSTEM FOR DAYCARE  
CENTER. NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESIDENTIAL APT HOUSE  
Permit Number: 121594667-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MASTER FIRE SYSTEMS, INC 0000371-FS

Date: **3/5/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL EATING AND DRINKING ESTABLISHMENT. NO CHANGE TO USE,  
EGRESS, OR  
OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110004361-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ANTHONY DISABATO

## ADJOINING PROPERTY FINDINGS

### 982 COLUMBUS AVE

Date: 9/30/2011  
Permit Type: SG  
Description: SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IS USE,  
OCCUPANCY OR  
EGRESS.

Permit Description: SIGN  
Work Class: SG - SIGN  
Proposed Use:  
Permit Number: 120816144-01-SG  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: FENGHAIXU ZHANG

### 986 COLUMBUS AVE

Date: 3/6/2012  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
NEW INTERIOR PARTITIONS, DOOR & FRAMES. SUSPENDED CEILINGS &  
LIGHTING FIXTURES.  
WALL & FLOOR FINISHES. NEW PLUMBING FIXTURES & PIPING NO CHANGE TO  
CONST.  
CLASS, OCCUPANCY, USE OR EGRESS IS PROPOSED.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120910452-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOHN G O'SULLIVAN

## ADJOINING PROPERTY FINDINGS

Date: **3/2/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
NEW INTERIOR PARTITIONS, DOOR & FRAMES. SUSPENDED CEILINGS &  
LIGHTING FIXTURES.  
WALL & FLOOR FINISHES. NEW PLUMBING FIXTURES & PIPING NO CHANGE TO  
CONST.  
CLASS, OCCUPANCY, USE OR EGRESS IS PROPOSED.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120910452-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOSEPH MELUSO**

Date: **2/10/2012**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z133733**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ELBUD ELECTRICAL CORP**

## ADJOINING PROPERTY FINDINGS

Date: **2/6/2012**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z133614

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: BLAZE ELECTRIC INC.

Date: **8/15/2007**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GC  
PROPOSE CREATE 10'-0" HEIGHT BY 12'-0" WIDE OPENING TO CONNECT  
ADYCENT STORE AT  
FIRST FLOOR ON EXISTING COMMERCIAL STORE (SAME BUILDING OWNER).  
PROVIDE TWO (2)  
SPRINKLER HEAD. ONE (1) ON THE CENTER OF EACH EACH OPENING. THERE IS  
NO CHANGE  
IN USE GROUP OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104851929-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: SIXTO GAVILANES

## ADJOINING PROPERTY FINDINGS

988 COLUMBUS AVE

Date: **11/29/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
FACADE REPAIRS AS INDICATED ON DRAWINGS. NO CHANGE IN OCCUPANCY,  
USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120860096-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE EXTERIOR RESTORA**

Date: **10/3/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120804077-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

## ADJOINING PROPERTY FINDINGS

Date: **9/30/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120804004-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

Date: **11/10/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z128165**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BLAZE ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **2/14/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110765

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBERT GARCIA ELECL CONT

### 990 COLUMBUS AVE

Date: **8/26/2011**

Permit Type: **SG**

Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**

Work Class: SG - SIGN

Proposed Use:

Permit Number: 120725199-01-SG

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FENGHAIXU ZHANG

## ADJOINING PROPERTY FINDINGS

Date: **7/29/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z101439

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: CRUZ ELECTRIC CORP.

### 992 COLUMBUS AVE

Date: **10/3/2011**

Permit Type: **SG**

Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**

Work Class: SG - SIGN

Proposed Use:

Permit Number: 120808439-01-SG

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FENGHAIXU ZHANG

## ADJOINING PROPERTY FINDINGS

Date: **9/24/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z132039

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: J&R REY ELEC. CONTR. INC.

Date: **7/26/2011**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
NEW INTERIOR PARTITIONS, SUSPENDED CEILING, LIGHTING FIXTURES, WALL &  
FLOOR  
FINISHES. NEW PLUMBING PIPING & FIXTURES NO CHANGE TO OCCUPANCY,  
USE OR EGRESS  
IS PROPOSED.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120727482-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: IRA AUSLANDER

## ADJOINING PROPERTY FINDINGS

Date: **7/18/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
NEW INTERIOR PARTITIONS, SUSPENDED CEILING, LIGHTING FIXTURES, WALL &  
FLOOR  
FINISHES. NEW PLUMBING PIPING & FIXTURES NO CHANGE TO OCCUPANCY,  
USE OR EGRESS  
IS PROPOSED.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120727482-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NAUM VINOGRADOV**

Date: **6/3/2011**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z130533**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BLAZE ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

### 993 COLUMBUS AVE

Date: **4/16/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF KITCHEN FIRE SUPPRESSION SYSTEM. NO CHANGE IN USE,  
EGRESS OR O  
CCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110123740-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MARTINEZ**

### 994 COLUMBUS AVE

Date: **3/1/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
FILING TO INSTALL NEW FIRE SUPPRESSION SYSTEM. GAS SHUT OFF VALVE  
FILED UNDER  
APPLICATION #121476250. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121528374-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUE FIRE SYSTEMS INC 0000978-FS**

## ADJOINING PROPERTY FINDINGS

Date: **1/7/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALLATION OF EXHAUST DUCT AND FAN ON ROOF. THIS APPLICATION IS IN  
CONJUNCTION  
WITH APPLICATION# 121160867. NO CHANGE IN USE, OCCUPANCY AND MEANS  
OF EGRESS IS  
INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121476250-01-EW-MH**  
Status: **REVOKED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **UNIQUES FIRE SYSTEMS INC**

Date: **9/24/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION TO STORE INCLUDING STORE FRONT NO CHANGE TO USE  
OCCUPANCY OR EGRESS**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121160867-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SIMON HUNG**

## ADJOINING PROPERTY FINDINGS

Date: **9/11/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
RENOVATION TO STORE INCLUDING STORE FRONT NO CHANGE TO USE  
OCCUPANCY OR EGRESS**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121160867-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MIN J MAI**

Date: **9/11/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATION TO STORE INCLUDING STORE FRONT NO CHANGE TO USE  
OCCUPANCY OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121160867-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MIN J MAI**

## ADJOINING PROPERTY FINDINGS

Date: **10/3/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120808448-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

Date: **10/3/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120808457-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

## ADJOINING PROPERTY FINDINGS

Date: **9/30/2011**  
Permit Type: **SG**  
Description: **SIGN -  
INSTALLATION OF ILLUMINATED NON-ADVERTISING SIGN. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120804068-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FENGHAIXU ZHANG**

Date: **12/26/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z124330**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BLAZE ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

998 COLUMBUS AVE

Date: **2/15/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION**  
**Install kitchen fire suppression system, as shown on plan. No change in use, occupancy, or egress.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110283853-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MARTINEZ**

Date: **5/4/2007**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - AWNING**  
**INSTALL STORE FRONT AWNING .**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104744555-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND MONTANA**

## ADJOINING PROPERTY FINDINGS

### W 106 ST

#### 140 W 106 ST

Date: 9/28/2007  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SHED 40' DURING FACADE REPAIR. NO  
CHANGES IN USE,  
EGRESS OR OCCUPANCY. SHED TO COMPLY WITH LL33/91 AND TPPN 9/99.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104887277-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JONETTE OBER

Date: 9/19/2007  
Permit Type:  
Description:

Permit Description: ELECTRICAL  
Work Class:  
Proposed Use:  
Permit Number: Z114125  
Status: CLOSED/CANCELLED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MARI ELEC. CONTR'S INC.

## ADJOINING PROPERTY FINDINGS

Date: **6/22/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
FACADE RESTORATION. BRICK REPLACEMENT AND RELATED EXTERIOR  
REPAIRS AS PER  
PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104445245-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RUSSELL GALINDO**

Date: **5/5/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Installation of heavy duty sidewalk shed 165ft long on the front of building  
and 35ft long on the back of the building a total of 200ft long at 140 West  
106 Street - During remedial work Work shall comply with LL33/91 No change in  
use of egress or occupancy**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103478274-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

## ADJOINING PROPERTY FINDINGS

Date: 4/13/2005  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK BRIDGE 40'DURING FACADE  
REPAIR. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY. HEAVY DUTY SIDEWALK SHED  
300=PSF LIVE LOAD  
SHED TO COMPLY WITH LL33/91. NO STORAGE OF ANY CONSTRUCTION  
EQUIPMENT OF MATERIAL  
ON TOP OF SHED.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 103151660-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CONSTANTIN ZAHARIA

### 151-155 W 106 ST

Date: 7/2/2004  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Install heavy duty sidewalk shed a total of 25 ft long at 151 West 106 Street -  
during remedial repairs. Work shall comply with LL33/91. No change in use  
egress or occupancy.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 103826512-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JERIMIAH HARRINGTON

## ADJOINING PROPERTY FINDINGS

### W 106TH ST

#### 125 W 106TH ST

Date: 10/4/2014  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS.  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE.LIVE LOAD 300PSF.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 140262711-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PAUL SINGH

Date: 5/15/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION AT APT# 3B, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140198293-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ALLEN YU

## ADJOINING PROPERTY FINDINGS

Date: **5/12/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE EXISTING INDIVIDUAL MODULAR BOILERS AT CELLAR LEVEL WITH  
NEW. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122001760-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD A ADINOLFI**

Date: **1/27/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 5B APARTMENT AS PER PLAN. MINOR  
PARTITION WORK,  
FLOORING, AND PAINTING. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140155677-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

## ADJOINING PROPERTY FINDINGS

Date: **9/18/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION AT APT#5A, NO CHANGE IN USE, EGRESS OR  
OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121781438-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

### **127 W 106TH ST**

Date: **6/5/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 5B ON 5TH FL. PAINTING, FLOORING AND  
MINOR PARTITION  
WORK. NO CHANGE IN USE, EGRESS OR OCCUPANCY, UNDER THIS  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140207611-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **5/16/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION ON UNIT #3A FLOORING, PAINTING, WALL ONLY,  
NO CHANGE  
IN USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140199443-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **5/8/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE EXISTING INDIVIDUAL MODULAR BOILERS AT CELLAR LEVEL WITH  
NEW. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122001751-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD A ADINOLFI**

## ADJOINING PROPERTY FINDINGS

Date: **2/18/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 2B ON 2FL. PAINTING, FLOORING AND MINOR  
PARTITION  
WORK. NO CHANGE IN USE, EGRESS OR OCCUPANCY, UNDER THIS  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140162213-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **1/13/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION ON UNIT #2A FLOORING, PAINTING, WALL ONLY,  
NO CHANGE  
IN USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140145064-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

## ADJOINING PROPERTY FINDINGS

135 W 106TH ST

Date: **10/25/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
REPLACEMENT OF AIR CONDITIONING UNITS. NO CHANGE IN USE EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESIDENTIAL APT HOUSE**  
Permit Number: **121752745-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EMCOR SERVICES NY/NJ INC**

Date: **10/9/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
THE PROPOSED WORK FILED UNDER THIS APPLICATION INCLUDED REPLACE  
ALL A/C GRILLES;  
REPLACE LINTELS AT STAIR / ELEVATOR BULKHEADS; REPLACE EDGE /  
FLASHING AT  
SPANDREL BEAM; AND SELECTIVE POINTING. NO CHANGE IN USE, EGRESS, OR  
OCCUPANCY IS  
INVOLVED UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121140602-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CARL REINKE**

## ADJOINING PROPERTY FINDINGS

Date: **7/17/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS .  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE. NO STORAGE PERMITTED ON SIDEWALK SHED. LIVE LOAD  
300PSF.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121152153-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAKHWINDER SINGH**

Date: **8/24/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALL FIRE SUPPRESSION SYSTEM ONLYNO CHANGE IN USE EGRESS OR  
OCCUP  
ANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104868252-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHEAL KERR**

## ADJOINING PROPERTY FINDINGS

### 151 W 106TH ST

Date: **7/2/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Install heavy duty sidewalk shed a total of 25 ft long at 151 West 106 Street - during remedial repairs. Work shall comply with LL33/91. No change in use egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103826512-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

### 153 W 106TH ST

Date: **7/2/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Install heavy duty sidewalk shed a total of 25 ft long at 153 West 106 Street - during remedial repairs. Work shall comply with LL33/91. No change in use egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103826503-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

## ADJOINING PROPERTY FINDINGS

Date: **7/1/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE REPAIR  
FILING HEREWITH FOR FACADE REPAIR AS PER PLANS.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103806856-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN SCHINDERMAN**

### **155 W 106TH ST**

Date: **7/2/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Install heavy duty sidewalk shed a total of 25 ft long at 155 West 106 Street -  
during remedial repairs. Work shall comply with LL33/91. No change in use  
egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103826497-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

## ADJOINING PROPERTY FINDINGS

Date: **7/1/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE REPAIR  
FILING HEREWITH FOR FACADE REPAIR AS PER PLANS. NO CHANGE TO USE,  
EGRES  
OR OCUPANCY. FEES PAID UNDER APPLICATION 103788803**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103806847-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN SCHINDERMAN**

### **157 W 106TH ST**

Date: **12/26/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **121424315-01-EW-OT**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

## ADJOINING PROPERTY FINDINGS

Date: **12/24/2012**

Permit Type: **EW**

Description:

Permit Description: **EQUIPMENT WORK**

Work Class:

Proposed Use:

Permit Number: 121139213-01-EW-MH

Status:

Valuation: \$0.00

Contractor Company:

Contractor Name: JACOB AVID

Date: **12/24/2012**

Permit Type: **EW**

Description:

Permit Description: **EQUIPMENT WORK**

Work Class:

Proposed Use:

Permit Number: 121139213-01-EW-OT

Status:

Valuation: \$0.00

Contractor Company:

Contractor Name: JACOB AVID

## ADJOINING PROPERTY FINDINGS

Date: **9/24/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REMODEL TWO (2) APARTMENTS ON THE GROUND FLOOR. ADD RECREATION**  
**ROOMS AT CELLAR**  
**CONNECTED TO THE SAME. NO CHANGE TO USE, OCCUPANCY OR EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121139213-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WILLIAM F HARVEY**

### **159 W 106TH ST**

Date: **3/13/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1**  
**PLUMBING AND MECHANICAL IN CONJUNCTION WITH ENLARGEMENT**  
**APPLICATION**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **120545990-02-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER J MICELI**

## ADJOINING PROPERTY FINDINGS

Date: **4/25/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -  
ADD A SUPERS APARTMENT AND REC ROOMS IN THE CELLAR CONNECTED TO  
THE APARTMENTS  
ABOVE**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **120545990-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **YISHAI BARKAI**

Date: **10/6/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO APARTMENT 4B LOCATED ON THE 4TH FLOOR ,  
REMOVE AND  
CONSTRUCT PARTITIONS, ALL AS PER PLAN NO CHANGE IN USE EGREES OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120827828-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VALENTINO BUONO**

## ADJOINING PROPERTY FINDINGS

Date: **10/4/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APARTMENT 5C LOCATED ON THE 5TH FLOOR ,  
REMOVE AND  
CONSTRUCT PARTITIONS, IN ADDITION INSTALL GWB AT CELLAR CEILING AND  
WALLS ALL  
AS PER PLAN NO CHANGE IN USE EGREES OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120485974-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **VALENTINO BUONO**

### **160 W 106TH ST**

Date: **12/11/2013**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
REMOVE MINOR PARTITIONS, CEILING AND REPLACE EXIST'G COUNTER TOP @  
APT#1B,3C,  
1ST & 3RD FLOOR. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121862056-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **10/31/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INSTALL MINOR PARTITIONS, RETILE @ APT#2A 2ND FL. NO CHANGE IN USE,  
OCCUPANCY OR  
EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **COMMERCIAL BUILDINGS - OLD CODE**  
Permit Number: **121827354-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **8/27/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APARTMENT #2D. MINOR PATITION WORK,  
PAINTING,  
AND FLOORING, NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140108648-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **9/26/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
FILING TO REPAIR BUILDING FACADE AS PER PLANS FILED HEREWITH.  
APPLICATION  
FILED IN CONJUNCTION WITH SHED APPLICATION # 104628020. NO CHANGE IN  
USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104904301-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TANWEEN HUSSAIN**

### 161 W 106TH ST

Date: **4/11/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF KITCHEN EXHAUST HOOD FIRE SUPPRESSION SYSTEM IN  
CONJUNCTION OF  
MAIN JOB APPLICATION (JOB#:121530655). NO CHANGE TO EXISTING USE,  
EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **MERCANTILE**  
Permit Number: **121564501-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NY FIRE LLC 0000504-FS**

## ADJOINING PROPERTY FINDINGS

Date: 2/15/2013  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2  
ALTERATION OF EXISTING COMMERCIAL SPACE TO A RESTAURANT. MINOR  
PARTITIONS,  
COUNTER, WALL , FLOOR FINISHES & NEW STORE FRONT. PLUMBING FIXTURES  
AND KITCHEN  
EXHAUST HOOD SYSTEM TO BE INSTALLED. NO CHANGE IN USE, OCCUPANCY  
OR EGRESS  
UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121530655-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: TRUFLOW PLBG & HTG, LLC 0002125-MP

Date: 2/11/2013  
Permit Type: EQ  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
ALTERATION OF EXISTING COMMERCIAL SPACE TO A RESTAURANT. MINOR  
PARTITIONS,  
COUNTER, WALL , FLOOR FINISHES & NEW STORE FRONT. PLUMBING FIXTURES  
AND KITCHEN  
EXHAUST HOOD SYSTEM TO BE INSTALLED. NO CHANGE IN USE, OCCUPANCY  
OR EGRESS  
UNDER THIS APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121530655-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: HUI BIAO WANG

## ADJOINING PROPERTY FINDINGS

Date: 2/11/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
ALTERATION OF EXISTING COMMERCIAL SPACE TO A RESTAURANT. MINOR  
PARTITIONS,  
COUNTER, WALL , FLOOR FINISHES & NEW STORE FRONT. PLUMBING FIXTURES  
AND KITCHEN  
EXHAUST HOOD SYSTEM TO BE INSTALLED. NO CHANGE IN USE, OCCUPANCY  
OR EGRESS  
UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121530655-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: HUI BIAO WANG

Date: 2/11/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
ALTERATION OF EXISTING COMMERCIAL SPACE TO A RESTAURANT. MINOR  
PARTITIONS,  
COUNTER, WALL , FLOOR FINISHES & NEW STORE FRONT. PLUMBING FIXTURES  
AND KITCHEN  
EXHAUST HOOD SYSTEM TO BE INSTALLED. NO CHANGE IN USE, OCCUPANCY  
OR EGRESS  
UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121530655-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: HUI BIAO WANG

## ADJOINING PROPERTY FINDINGS

Date: **5/28/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z101227

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: STANISLAW H. WISZKOWSKI L

### 200 W 106TH ST

Date: **5/8/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z112179

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: GEMINI ELECTRIC CO., INC.

## ADJOINING PROPERTY FINDINGS

**201 W 106TH ST**

Date: **12/3/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING COMMERCIAL SPACE INCL. MINOR PLUMBING WORK  
AND NEW  
FINISHES AND NEW STOREFRONT AS SHOWN ON PLANS. WORK FILED TO  
CORRECT ECB  
#35030213Z. NO CHANGE IN USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121785416-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOSE R ROSA, JR**

Date: **6/16/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATION OF EXISTING COMMERCIAL SPACE INCL. MINOR PLUMBING WORK  
AND NEW  
FINISHES AND NEW STOREFRONT AS SHOWN ON PLANS. WORK FILED TO  
CORRECT ECB  
#35030213Z. NO CHANGE IN USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121785416-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GLADYS VELEZ**

## ADJOINING PROPERTY FINDINGS

Date: 1/28/2014  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
1. INSTALLATION OF TWELVE (12) NEW GAS METERS TO REPLACE METERS DISCONNECTED/REMOVED BY ?CON EDISON?. PROVIDE 12 NEW CLASS 250 METER BARS.  
REPAIR/REPLACE GAS PIPING THROUGHOUT, PERFORM AIR PRESSURE TEST  
2.INTERIOR  
RENOVATION OF APT. #3 AT 2ND FL, LIMITED TO REPAIRING EX?G PARTITIONS AND  
REPLACING INTERIOR DOORS AND FINISHES (PAINT & TILE) WITH NE

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121829968-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOSE R ROSA, JR

Date: 12/30/2013  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
1. INSTALLATION OF TWELVE (12) NEW GAS METERS TO REPLACE METERS DISCONNECTED/REMOVED BY ?CON EDISON?. PROVIDE 12 NEW CLASS 250 METER BARS.  
REPAIR/REPLACE GAS PIPING THROUGHOUT, PERFORM AIR PRESSURE TEST  
2.INTERIOR  
RENOVATION OF APT. #3 AT 2ND FL, LIMITED TO REPAIRING EX?G PARTITIONS AND  
REPLACING INTERIOR DOORS AND FINISHES (PAINT & TILE) WITH NE

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 121829968-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: A VELEZ CO INC

## ADJOINING PROPERTY FINDINGS

Date: **10/24/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - FENCE  
ERECT TEMPORARY CONSTRUCTION FENCE AS SHOWN ON PLAN. NO CHANGE  
IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121811511-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **A VELEZ CO INC**

Date: **4/22/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. LIVE LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL  
COMPLY WITH  
CHAPTER # 33 OF THE 2008 CODE. NO CHANGE IN USE OCCUPANCY OR  
EGRESS UNDER THIS  
APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121597389-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NY SKYLINE GENERAL CONSTR**

## ADJOINING PROPERTY FINDINGS

Date: **1/12/2005**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 104010062-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **1/12/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE OIL BURNER. CHANGE GRADE IN FUEL #4 TO #2 OIL IN EXISTING 2500  
GALLON.  
NO CHANGE IN EGRESS, USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104010062-01-EW-FS  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: DANIEL COLASANTO

## ADJOINING PROPERTY FINDINGS

### W 107 ST

#### 108 W 107 ST

Date: 1/19/2011  
Permit Type: AL  
Description: ALTERATION TYPE 3 - ANTENNA  
INSTALLATION OF ADDITIONAL CABINET IN EXISTING TELECOMMUNICATIONS  
ROOM IN BASE  
MENT. INSTALLATION OF RELATED ANTENNAS ON ROOF. INITIAL INSTALLATION  
APPROVED  
UNDER APPLICATION #100444949. ALL WORK IN COMPLIANCE WITH TPPN #5/98.  
NO CHANG E  
TO USE, EGRESS OR OCCUPANCY.

Permit Description: ALTERATION  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 120530345-01-AL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOSEPH LAGANA

Date: 9/5/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - BOILER  
INSTALL TWO (2) BOILERS. ALL PLUMBING WORK FILED UNDER APPLICATION#  
104115645.  
NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104542078-01-EW-BL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ANTHONY CORBO

## ADJOINING PROPERTY FINDINGS

Date: **8/29/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Erect 20' of Temorary Heavy Duty Sidewalk Shed 300 psf for protection during lifting of materials to make repairs on roof. Shed shall comply with LL/33/91. No change of use, egress or occupancy this appl.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104538635-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOM HALLICK**

Date: **8/23/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER**  
**Installation of sprinkler system as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104102285-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL WALBY**

## ADJOINING PROPERTY FINDINGS

Date: **7/31/2006**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -  
Renovate building. Porposed caretaker's apartment on 3rd floor and increase  
occupant load.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104115645-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PASQUALE SURIANO**

Date: **7/11/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SHED 170' DURING FACADE REPAIR. NO  
CHANGES IN  
USE, EGRESS OR OCCUPANCY. SHED TO COMPLY WITH LL33/91 AND TPPN 9/99.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104143883-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NARUS MERA**

## ADJOINING PROPERTY FINDINGS

Date: **6/22/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALL PIPE SCAFFOLD 100 FT LONG BY 40 - 60 FT HIGH AT 108 WEST 107  
STREET.  
- DURING REPAIRS. - WORK SHALL COMPLY WITH LL33/91. NO CHANGE IN USE,  
EGRESS  
OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104469861-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TONY MAMOUNAS**

Date: **6/6/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z108391**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AFA PROTECTIVE SYS INC.**

## ADJOINING PROPERTY FINDINGS

Date: **7/14/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
FACADE REPAIRS TO ENTIRE BUILDING INCLUDING POINTING BRICK REPLACE  
MENT BULK HEAD WALL SHEATHING STEEL INTL REPLACEMENT AND RELATED  
WORK AS PER PLA  
S FILED SIDEWALK SHED TO BE FOILED UNDER SEPARATE APPLICATION  
NO CHANGE IN USE EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104152729-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DANIEL BRUNO**

Date: **5/26/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1  
Mechanical and plumbing work filed in conjunction with building renovation as  
per plans filed.**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104115645-02-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RALPH DE MARTINO**

## ADJOINING PROPERTY FINDINGS

Date: **5/23/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Removal of interior partitions and plumbing fixture on floors 1 thru 9 as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104054915-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RALPH DEMARTINO**

Date: **5/20/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 1 - CONSTRUCTION EQUIPMENT - FENCE**  
**Renovate building. Porposed caretaker's apartment on 3rd floor and increase occupant load.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104115645-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GEORGE KALERGIOS**

## ADJOINING PROPERTY FINDINGS

Date: **5/20/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104544

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: R & L SYSTEMS, INC.

Date: **5/10/2005**

Permit Type: **EQ**

Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - OTHER**  
**Application filed for mechanical means. The following equipment will be used throughout building: Takeuchi TB-108,CAT 226 Skid Steer Loader, Brokk 150C, Brokk 250. No change in use, egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 104063843-01-EQ-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: JOHN AMOROSANO

## ADJOINING PROPERTY FINDINGS

Date: **5/10/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INT PART**  
**Removal of interior partitions and plumbing fixture on floors 1 thru 9 as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104054915-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN AMOROSANO**

### **108-120 W 107 ST**

Date: **1/19/2011**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - ANTENNA**  
**INSTALLATION OF ADDITIONAL CABINET IN EXISTING TELECOMMUNICATIONS**  
**ROOM IN BASE**  
**MENT. INSTALLATION OF RELATED ANTENNAS ON ROOF. INITIAL INSTALLATION**  
**APPROVED**  
**UNDER APPLICATION #100444949. ALL WORK IN COMPLIANCE WITH TPPN #5/98.**  
**NO CHANG E**  
**TO USE, EGRESS OR OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120530345-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOSEPH LAGANA**

## ADJOINING PROPERTY FINDINGS

Date: **9/5/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
INSTALL TWO (2) BOILERS. ALL PLUMBING WORK FILED UNDER APPLICATION#  
104115645.  
NO CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104542078-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY CORBO**

Date: **8/29/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Erect 20' of Temorary Heavy Duty Sidewalk Shed 300 psf for protection during  
lifting of materials to make repairs on roof. Shed shall comply with  
LL/33/91. No change of use, egress or occupancy this appl.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104538635-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOM HALLICK**

## ADJOINING PROPERTY FINDINGS

Date: **8/23/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - SPRINKLER**  
**Installation of sprinkler system as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104102285-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL WALBY**

Date: **7/31/2006**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -**  
**Renovate building. Proposed caretaker's apartment on 3rd floor and increase occupant load.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104115645-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PASQUALE SURIANO**

## ADJOINING PROPERTY FINDINGS

Date: **7/11/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SHED 170' DURING FACADE REPAIR. NO  
CHANGES IN  
USE, EGRESS OR OCCUPANCY. SHED TO COMPLY WITH LL33/91 AND TPN 9/99.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104143883-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NARUS MERA**

Date: **6/22/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALL PIPE SCAFFOLD 100 FT LONG BY 40 - 60 FT HIGH AT 108 WEST 107  
STREET.  
- DURING REPAIRS. - WORK SHALL COMPLY WITH LL33/91. NO CHANGE IN USE,  
EGRESS  
OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104469861-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TONY MAMOUNAS**

## ADJOINING PROPERTY FINDINGS

Date: **6/6/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108391

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: AFA PROTECTIVE SYS INC.

Date: **7/14/2005**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
FACADE REPAIRS TO ENTIRE BUILDING INCLUDING POINTING BRICK REPLACE  
MENT BULK HEAD WALL SHEATHING STEEL INTL REPLACEMENT AND RELATED  
WORK AS PER PLA  
S FILED SIDEWALK SHED TO BE FOILED UNDER SEPARATE APPLICATION  
NO CHANGE IN USE EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104152729-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: DANIEL BRUNO

## ADJOINING PROPERTY FINDINGS

Date: **5/26/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1**  
**Mechanical and plumbing work filed in conjunction with building renovation as per plans filed.**

Permit Description: **PLUMBING**  
Work Class: A1 - ALTERATION TYPE 1  
Proposed Use:  
Permit Number: 104115645-02-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RALPH DE MARTINO

Date: **5/23/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Removal of interior partitions and plumbing fixture on floors 1 thru 9 as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104054915-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: RALPH DEMARTINO

## ADJOINING PROPERTY FINDINGS

Date: **5/20/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 1 - CONSTRUCTION EQUIPMENT - FENCE**  
**Renovate building. Porposed caretaker's apartment on 3rd floor and increase occupant load.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: A1 - ALTERATION TYPE 1  
Proposed Use:  
Permit Number: 104115645-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GEORGE KALERGIOS

Date: **5/20/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z104544  
Status: COMPLETED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: R & L SYSTEMS, INC.

## ADJOINING PROPERTY FINDINGS

Date: **5/10/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - OTHER**  
**Application filed for mechanical means. The following equipment will be used throughout building: Takeuchi TB-108,CAT 226 Skid Steer Loader, Brokk 150C, Brokk 250. No change in use, egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104063843-01-EQ-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN AMOROSANO**

Date: **5/10/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INT PART**  
**Removal of interior partitions and plumbing fixture on floors 1 thru 9 as per plans filed herewith. No change in use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104054915-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN AMOROSANO**

## ADJOINING PROPERTY FINDINGS

### 110 W 107 ST

Date: 2/1/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
INSTALL HVAC UNIT IN BASEMENT AND ROOF. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121006179-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: T.C. AIR CONDITIONING COR

### 112 W 107 ST

Date: 6/22/2006  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALL PIPE SCAFFOLD 50 FT LONG BY 40 - 60 FT HIGH AT 112 WEST 107 STREET.  
- DURING REPAIRS. - WORK SHALL COMPLY WITH LL33/91. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 104469870-01-EQ-SF  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: TONY MAMOUNAS

## ADJOINING PROPERTY FINDINGS

### 152 W 107 ST

Date: 4/9/2008

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z116776

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: LINTECH ELECTRIC, INC.

### W 107TH ST

### 103 W 107TH ST

Date: 10/20/2010

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALL ROOF MOUNTED AIR COOLED CONDENSING UNIT AND A REMOTE  
WALL MOUNTED AC  
UNIT IN ROOM 220A, INCLUDING REFRIGERATION PIPING BETWEEN THE UNITS.  
DRAIN  
CONDENSATE TO EXISTING ROOF DRAIN.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 103887313-01-EW-MH

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: RANJIT SINGH

## ADJOINING PROPERTY FINDINGS

Date: **3/8/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION**  
**JHS54 REPLACE GYM CEILING: REPAIR PARTSOF GYM WALLS & FL, REMOVE &**  
**REPA**  
**CE DRS INTO GYM REPLACE FOUNTAIN IN GYM**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102395739-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOS FAKATSELIS**

Date: **10/5/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z123368**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MILAD CONTRACTING CORP.**

## ADJOINING PROPERTY FINDINGS

Date: **8/19/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
JHS54 FLOOD CONTROL, MASONRY POINTING AND REPAIR, ROOF REPAIR.  
REMOVE A  
D REPLACE 3 AREA DRAINS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102381147-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOS FAKTSELIS**

Date: **4/20/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z121405**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **A & S ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **9/25/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**JHS54 REPLACE GYM CEILING: REPAIR PARTSOF GYM WALLS & FL, REMOVE & REPA**  
**CE DRS INTO GYM REPLACE FOUNTAIN IN GYM**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102395739-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY V SANDS**

Date: **5/9/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z117202**  
Status: **CLOSED/CANCELLED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STANCO SYSTEM ELEC'L CONT**

## ADJOINING PROPERTY FINDINGS

Date: **3/12/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - FENCE  
JHS 54, INSTALLATION OF TEMPORARY CONSTRUCTION FENCE IN CONJUNCTION  
WITH DOB# 1  
02399931 (EXTERIOR MASONRY) TOTAL LINEAR FOOTAGE-870', NO CHANGE IN  
USE, EGRES S  
OR OCCUPANCY**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103878788-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DEVANAND A JURAKHAN**

Date: **3/12/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
JHS 54, INSTALLATION OF TEMPORARY CONSTRUCTION SCAFFOLD IN  
CONJUNCTION WITH DOB #  
102399931 (EXTERIOR MASONRY) TOTAL LINEAR FOOTAGE-1067' NO CHANGE IN  
USE, EG  
RESS OR OCCUPANCY**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103878797-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **OFFER NOAH**

## ADJOINING PROPERTY FINDINGS

Date: **3/12/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
JHS 54, INSTALLATION OF TEMPORARY CONSTRUCTION SHED IN CONJUNCTION  
WITH DOB#102  
399931 (EXTERIOR MASONRY) TOTAL LINEAR FOOTAGE 721'**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103878804-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **OFFER NOAH**

Date: **3/12/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION  
JHS54 RE-POINT BRICK MORTAR JOINTS @ ALL FACADES, INCLUDING NEW  
PARAPET  
WALLS, REPLACE RELIEVING ANGLE, PWER WASH PARAPET WA.S & ALL  
FACADES, PROVIDE NE  
W COPING FLASHING, REMOVE & REPLACE EXISTING COPING STONES, RAKE  
JOINTS, CAULK &  
SEAL @ STONE TREADS BY NORTH ENTRANCE STEPS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102399931-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DEVANAND A JURAKHAN**

## ADJOINING PROPERTY FINDINGS

Date: **1/23/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z115744

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: STANCO SYSTEM ELEC'L CONT

Date: **10/15/2007**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
JHS54 FLOOD CONTROL, MASONRY POINTING AND REPAIR, ROOF REPAIR.  
REMOVE A  
D REPLACE 3 AREA DRAINS.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 102381147-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: ANTHONY SANDS

## ADJOINING PROPERTY FINDINGS

Date: **10/15/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**JHS 54 REMOVE AND REPLACE SELECTED PLUMBING PIPING.**  
**HEATING PLANT UPGRADE, REMOVE & REPLACE SELECTED PL FIXTURES &**  
**PIPING.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102381147-02-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY SANDS**

Date: **9/28/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**JHS054;INSTALLATION OF A HEAVY DUTY SIDEWALK SHED IN CONJ. WITH**  
**102381147. NO CHANGE IN USE, EGRESSOR OCCUPANCY. SIDEWALK SHED TO**  
**COMPLY**  
**WITH LL33/91 AND TPPN9/99.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **102403294-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KENNETH BUETTNER**

## ADJOINING PROPERTY FINDINGS

Date: **9/25/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
JHS 54 INSTALLATION OF SCAFFOLD 217' LONG X 40'-50' HIGH IN CONJUNCTION  
WITH DOB# 102381147. NO CHANGE IN USE, EGRESS OR OCCUPANCY. SIDEWALK  
SHED TO COMPLETE WITH LL33/91 AND TPPN 9/99**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **102403276-01-EQ-SF**  
Status: **REISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KENNETH BUETTNER**

Date: **8/29/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z113852**  
Status: **CLOSED/CANCELLED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STAR-DELTA ELECTRIC INC**

## ADJOINING PROPERTY FINDINGS

Date: **7/23/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z112944

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: POSITIVE ELECT'L ASSOC.IN

Date: **1/30/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110436

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MILAD CONTRACTING CORP.

## ADJOINING PROPERTY FINDINGS

Date: 11/6/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - CONSTRUCTION  
JS54 REMOVAL & INSTALLATION OF NON-LOAD BEARING PARTITIONS, MH  
ALTERATIO  
NS & PL FIXTURES, EXIST CLASSRMS, ORIGIN ALLY BUILT AS SCIENCE  
CLASSRMS ARE BEIN  
RENOVATED INTO NEW SCIENCE CLASSRMS. U TILITIES & SERVICES WILL BE  
REINSTALLED  
& REACTIVATED

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 102302964-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GRABRIEL LEIBOVIC

Date: 3/24/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
JS54 REMOVAL & INSTALLATION OF NON-LOAD BEARING PARTITIONS, MH  
ALTERATIO  
NS & PL FIXTURES, EXIST CLASSRMS, ORIGIN ALLY BUILT AS SCIENCE  
CLASSRMS ARE BEIN  
RENOVATED INTO NEW SCIENCE CLASSRMS. U TILITIES & SERVICES WILL BE  
REINSTALLED  
& REACTIVATED

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 102302964-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOHN ENGLISH

## ADJOINING PROPERTY FINDINGS

Date: **3/24/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
JS54 REMOVAL & INSTALLATION OF NON-LOAD BEARING PARTITIONS, MH  
ALTERATIO  
NS & PL FIXTURES, EXIST CLASSRMS, ORIGIN ALLY BUILT AS SCIENCE  
CLASSRMS ARE BEIN  
RENOVATED INTO NEW SCIENCE CLASSRMS. U TILITIES & SERVICES WILL BE  
REINSTALLED  
& REACTIVATED**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102302964-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICHOLAS KATRAGIS**

Date: **12/14/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z107015**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **A.T.J. ELECTRICAL CO.INC.**

## ADJOINING PROPERTY FINDINGS

Date: **12/1/2005**  
Permit Type: **PL**  
Description:

Permit Description: **PLUMBING**  
Work Class:  
Proposed Use:  
Permit Number: 102375895-01-PL  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **11/28/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
I.S. 054M; INSTALL KITCHEN FIRESUPPRESSION SYSTEM, AS SHOWN  
ON PLANS. NO CHANGE IN USE, EGRESS OROCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 102375895-01-EW-FP  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JAMES MEYER

Date: **1/11/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z103298  
Status: COMPLETED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: G & F.A.ST ELECTRIC INC

## ADJOINING PROPERTY FINDINGS

Date: **6/10/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z101517

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: STANCO SYSTEM ELEC'L CONT

### 165 W 107TH ST

Date: **10/4/2011**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - BOILER  
REPLACE EXISTING BOILER WITH NEW BOILER. NO CHANGE IN USE,  
OCCUPANCY OR MEANS OF  
EGRESS.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120830477-01-EW-BL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: RALPH BARONE

## ADJOINING PROPERTY FINDINGS

Date: **10/4/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE EXISTING BOILER WITH NEW BOILER. NO CHANGE IN USE,**  
**OCCUPANCY OR MEANS OF**  
**EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120830477-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RALPH BARONE**

Date: **5/10/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC ST**  
**THIS APPLICATION IS FILED SOLELY TO REPLACE THE 1ST FLOOR DOUBLE**  
**HUNG WINDOW A N**  
**DTEEL LINTELS ABOVE NO CHANGE IN OCCUPANCY OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120334691-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **IMRAN ALAM**

## ADJOINING PROPERTY FINDINGS

Date: **4/29/2010**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF APPROX. 30 LF. OF HEAVY-DUTY SIDEWALK SHED AS  
INDICATED ON  
PLANS. THERE WILL BE NO CHANGE IN THE USE, EGRESS, OR OCCUPANCY  
UNDER THIS  
APPLICATION. SIDEWALK SHED SHALL COMPLY WITH CHAPTER 33 OF THE 2008  
BUILDING  
CODE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120331079-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JASON PHILLIPS**

Date: **4/27/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z125727**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALEF ELEC'L CONTR'G INC**

## ADJOINING PROPERTY FINDINGS

Date: **11/24/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z124029

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: R.J.ELECTRICAL CONTRACTOR

Date: **8/27/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z118724

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: R.J.ELECTRICAL CONTRACTOR

### 166 W 107TH ST

Date: **11/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110004

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: CONTROL SPEC ELECL SYSTEM

## ADJOINING PROPERTY FINDINGS

167 W 107TH ST

Date: 11/6/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
REPLACEMENT OF ROOFTOP HVAC UNITS ON EXISTING CURBS. NO  
MODIFICATION OR REMOVAL  
OF EXISTING DUCTWORK. NO CHANGE TO OCCUPANCY, USE, OR EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140267084-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHRIS PAPADOPOULOS

Date: 10/15/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
REPLACEMENT OF ROOFTOP HVAC UNITS ON EXISTING CURBS. NO  
MODIFICATION OR REMOVAL  
OF EXISTING DUCTWORK. NO CHANGE TO OCCUPANCY, USE, OR EGRESS.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140267084-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AUSENCIO H SANTOS

## ADJOINING PROPERTY FINDINGS

Date: **2/21/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z116126

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: GOTHAM TECHNICAL SERVICES

### 168 W 107TH ST

Date: **8/27/2013**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APARTMENT #4A. MINOR PARTITION  
WORK, PAINTING  
AND FLOORING, NO CHANGE IN USE EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use: RESID. BLDG - OLD CODE

Permit Number: 140108666-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FUTUREISTIC DEVELOPMENT I

## ADJOINING PROPERTY FINDINGS

Date: **11/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z109992

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: CONTROL SPEC ELECL SYSTEM

### 170 W 107TH ST

Date: **12/15/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z115108

Status: NO ACCESS

Valuation: \$0.00

Contractor Company:

Contractor Name: CONTROL SPEC ELECL SYSTEM

## ADJOINING PROPERTY FINDINGS

### 171 W 107TH ST

Date: 7/1/2008

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z117020

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: SLADE ELECTRIC INC

### 172 W 107TH ST

Date: 12/15/2007

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z115107

Status: NO ACCESS

Valuation: \$0.00

Contractor Company:

Contractor Name: CONTROL SPEC ELECL SYSTEM

## ADJOINING PROPERTY FINDINGS

173 W 107TH ST

Date: **6/1/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z126163

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ASSOCIATED ELEC CONT OF N

Date: **5/18/2010**

Permit Type: **AL**

Description: **ALTERATION TYPE 3 - ANTENNA  
INSTALLING TELECOMMUNICATIONS CABINETS WITH RELATED DUNNAGE ON  
ROOF REPLACE  
EXISTING ANTENNAS WITH PROPOSED ANTENNAS ON ROOF ALL IN  
COMFORMANCE WITH  
TPPN 5/98**

Permit Description: **ALTERATION**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 110132776-01-AL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: JERRY AMATUCCI

## ADJOINING PROPERTY FINDINGS

Date: **2/1/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Exterior repairs. No change to egress, use or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104343257-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE CORSO**

### **174 W 107TH ST**

Date: **11/28/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z115046**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTONIO CERIELLO ELEC INC**

## ADJOINING PROPERTY FINDINGS

Date: **8/3/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
LEGALIZE REPLACEMENT OF BOILER AND OIL BURNER (BOILER NO. MD12724-01). NO  
CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104854686-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOSEPH DEBELLIS**

Date: **8/3/2007**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **104854686-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **8/11/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SIDEWALK SHED125 DURING FACADE  
REPAIR. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY. SHED TO COMPLY WITH LL33/91 AND TPPN  
9/99.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103854376-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SUSAN GREGORIO**

### **175 W 107TH ST**

Date: **9/22/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING APARTMENT 7A ON FOURTH FLOOR, PARTITION AND  
PLUMBING WORK  
AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122090511-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EDWARD KHAVIN**

## ADJOINING PROPERTY FINDINGS

Date: **9/18/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATION OF EXISTING APARTMENT 7A ON FOURTH FLOOR, PARTITION AND  
PLUMBING WORK  
AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122090511-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY DOBROW**

Date: **9/8/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION IN 175 W107ST ON FIRST FLOOR. REPLACE TILE  
FLOORING AND  
PAINTING. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140245465-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HAI HUA ZHAO**

## ADJOINING PROPERTY FINDINGS

Date: **9/8/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INTERIOR RENOVATION IN 175 W107ST ON FIRST FLOOR. REPLACE TILE**  
**FLOORING AND**  
**PAINTING. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140245465-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MISAEEL MORALES**

Date: **6/23/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INSTALLATION OF NEW WASHER AND DRYER AND UNDER-SINK DRAWER**  
**DISHWASHER IN APT.**  
**10B ON 5TH FLOOR. REPLACEMENT OF BATHROOM FIXTURES WITH NEW ON**  
**EXISTING**  
**ROUGHING. MINOR PARTITION WORK RELATED TO INSTALLATION OF WASHER**  
**AND DRYER. NO**  
**CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121972801-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EDWARD KHAVIN**

## ADJOINING PROPERTY FINDINGS

Date: **6/19/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INSTALLATION OF NEW WASHER AND DRYER AND UNDER-SINK DRAWER  
DISHWASHER IN APT.  
10B ON 5TH FLOOR. REPLACEMENT OF BATHROOM FIXTURES WITH NEW ON  
EXISTING  
ROUGHING. MINOR PARTITION WORK RELATED TO INSTALLATION OF WASHER  
AND DRYER. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121972801-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY DOBROW**

Date: **2/4/2013**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121481324-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN MOORE**

## ADJOINING PROPERTY FINDINGS

Date: **1/15/2013**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121476526-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN MOORE**

Date: **12/24/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121467750-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN MOORE**

## ADJOINING PROPERTY FINDINGS

Date: **11/29/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121437436-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

Date: **11/16/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121437338-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

## ADJOINING PROPERTY FINDINGS

Date: **10/26/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121419731-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

Date: **10/15/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121399067-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

## ADJOINING PROPERTY FINDINGS

Date: **9/17/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATE EXISTING APARTMENTS 10A & 10B ON 5TH FLR,PARTITION AND**  
**PLUMBING**  
**NO WORK AS PER PLANS FILED HEREWITH EXTENDED EXISTING FIRE**  
**ESCAPE NO CHANGE**  
**IN USE,EGRESS OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103426464-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EDWARD KHAVIN**

Date: **9/17/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATE EXISTING APARTMENTS 7C & 9 ON FOURTH FLOOR, PARTITION AND**  
**PLUMBING**  
**NO WORK AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103497351-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STUART WACHTEL**

## ADJOINING PROPERTY FINDINGS

Date: **7/24/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121148196-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

Date: **7/24/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A BUSINESS ACCESSORY WALL SIGN; WORDING: AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE IS FILED UNDER A SEPARATE APPLICATION.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **121148720-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

## ADJOINING PROPERTY FINDINGS

Date: **1/24/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - STRUCTURE  
TO INSTALL A STRUCTURE FOR A WALL BUSINESS ACCESSORY SIGN, SIGN  
FILED UNDER A  
SEPARATE APPLICATION.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120818231-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

Date: **1/24/2012**  
Permit Type: **SG**  
Description: **SIGN -  
TO INSTALL A WALL BUSINESS ACCESSORY SIGN, WORDING AS PER  
ARCHITECTURAL  
DRAWINGS. STRUCTURE FILED UNDER A SEPARATE APPLICATION.**

Permit Description: **SIGN**  
Work Class: **SG - SIGN**  
Proposed Use:  
Permit Number: **120819338-01-SG**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID WEHMEYER**

## ADJOINING PROPERTY FINDINGS

Date: 1/11/2012  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
RENOVATE EXISTING APARTMENT 12 ON FIFTH FLOOR, PARTITION AND  
PLUMBING WORK AS  
PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120796763-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GENNADY DOBROW

Date: 10/27/2011  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
RENOVATE EXISTING APARTMENT 12 ON FIFTH FLOOR, PARTITION AND  
PLUMBING WORK AS  
PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120796763-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: EDWARD KHAVIN

## ADJOINING PROPERTY FINDINGS

Date: **9/20/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
VAULT AND AREAWAY RECONSTRUCTION AS PER PLANS FILED. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120628482-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NASIR MAHMOOD**

Date: **9/20/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
VAULT AND AREAWAY RECONSTRUCTION AS PER PLANS FILED. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120628482-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NASIR MAHMOOD**

## ADJOINING PROPERTY FINDINGS

Date: **2/20/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING APARTMENTS 4A/5ON 3RD FLOOR PARTITION AND  
PLUMB  
ING WORK AS PER PLAN NO CHANGES**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110023581-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ERNEST LEIBY**

Date: **1/31/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RENOVATION OF EXISTING APARTMENTS 4A/5ON 3RD FLOOR PARTITION AND  
PLUMB  
ING WORK AS PER PLAN NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110023581-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY DOBROW**

## ADJOINING PROPERTY FINDINGS

Date: **10/11/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING APARTMENT #4 ONTHIRD FLOOR. PARTITION &  
PLUMBING  
G WORK AS PER PLAN.NO CHANGE IN USE,EGRESS OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104852456-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ERNEST LEIBY**

Date: **8/9/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
RENOVATION OF EXISTING APARTMENT #4 ONTHIRD FLOOR. PARTITION &  
PLUMBING  
G WORK AS PER PLAN.NO CHANGE IN USE,EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104852456-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY NOBROW**

## ADJOINING PROPERTY FINDINGS

Date: **7/19/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF EXISTING APT'S 5&6 ON THIRD FLOOR, PARTITION AND  
PLUMBING  
WORK AS PER PLANS. NO CHANGE IN USE , EGRESS OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104417515-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ERNEST LEIBY**

Date: **5/9/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RENOVATION OF EXISTING APT'S 5&6 ON THIRD FLOOR, PARTITION AND  
PLUMBING  
WORK AS PER PLANS. NO CHANGE IN USE , EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104417515-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY DOBROW**

## ADJOINING PROPERTY FINDINGS

Date: **3/9/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
RENOVATE EXISTING APARTMENTS 7C & 9 ON F ORTH FLOOR, PARTITION AND  
PLUMB  
NG WORK AS PER PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103497351-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GENNADY DOBROW**

### **200 W 107TH ST**

Date: **1/13/2015**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF SIDEWALK SHED AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140298318-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL GROSMAN**

## ADJOINING PROPERTY FINDINGS

Date: **5/16/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT FIRST FLOOR LOBBY PROPOSED RENOVATION AS INDICATED ON PLANS  
AND APPLICATIONS.  
NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120546445-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

Date: **12/7/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT EXTERIOR STAIR CONCRETE REPAIRS INCLUDING REPLACEMENT OF METAL  
GATE AND  
RAILING AS INDICATED ON PLANS AND APPLICATIONS. NO CHANGE IN USE  
EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120522648-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

## ADJOINING PROPERTY FINDINGS

Date: **6/17/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
AT APARTMENT 3B, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS AND FINISHES AND RELATED PLUMBING AS PER PLANS. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219165-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE S GROSSMAN**

Date: **6/17/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
AT APARTMENT 2B, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS AND FINISHES AND RELATED PLUMBING AS PER PLANS. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219414-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE S GROSSMAN**

## ADJOINING PROPERTY FINDINGS

Date: **2/10/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT APARTMENT 3B, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS AND FINISHES AND RELATED PLUMBING AS PER PLANS. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219165-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

Date: **2/10/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT APARTMENT 2B, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS AND FINISHES AND RELATED PLUMBING AS PER PLANS. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219414-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

## ADJOINING PROPERTY FINDINGS

Date: 1/21/2010  
Permit Type: EQ  
Description: ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
AT CELLAR & FIRST FLOORS, PROPOSED REMOVAL AND INSTALLATION OF  
PARTITIONS AND  
NEW STORE FRONT AS PER PLANS. NO CHANGE IN USE EGRESS OR  
OCCUPANCY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120239170-01-EQ-FN  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CLIFF REED

Date: 1/21/2010  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
AT CELLAR & FIRST FLOORS, PROPOSED REMOVAL AND INSTALLATION OF  
PARTITIONS AND  
NEW STORE FRONT AS PER PLANS. NO CHANGE IN USE EGRESS OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120239170-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CLIFF REED

## ADJOINING PROPERTY FINDINGS

Date: **6/4/2009**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE**  
**IT IS PROPOSED TO REPAIR THE SIDEWALK VAULT AS SHOWN ON PLANS. NO CHANGE TO USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110423382-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MALONEY**

Date: **6/4/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR**  
**IT IS PROPOSED TO REPAIR THE SIDEWALK VAULT AS SHOWN ON PLANS. NO CHANGE TO USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110423382-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PETER MALONEY**

## ADJOINING PROPERTY FINDINGS

### 201 W 107TH ST

Date: **6/26/2013**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
INTERIOR RENOVATION OF APARTMENT, AS PER PLANS. NO CHANGES TO  
USES, EGRESS OR  
OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121693033-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BEST NY CONSTRUCTION INC**

### 202 W 107TH ST

Date: **6/30/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF SIDEWALK SHED AS PER PLANS. WORK SHALL COMPLY  
WITH 2008 BUILDING  
CODE CHAPTER 33. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140219305-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER DOWNES**

## ADJOINING PROPERTY FINDINGS

Date: **6/30/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
INSTALLATION OF PIPE SCAFFOLD AS PER PLANS. WORK SHALL COMPLY WITH  
2008 BUILDING  
CODE CHAPTER 33. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140219341-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER DOWNES**

Date: **1/24/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT APARTMENTS 1R & 2R, PROPOSED RENOVATION OF APARTMENT  
INCLUDING REMOVAL OF  
MINOR PARTITIONS, INSTALLATION OF PLUMBING FIXTURES & FINISHES AS  
PER PLANS. NO  
CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120522620-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

## ADJOINING PROPERTY FINDINGS

Date: **12/29/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
AT APARTMENTS 1R & 2R, PROPOSED RENOVATION OF APARTMENT  
INCLUDING REMOVAL OF  
MINOR PARTITIONS, INSTALLATION OF PLUMBING FIXTURES & FINISHES AS  
PER PLANS. NO  
CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120522620-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE S GROSSMAN**

Date: **6/17/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
AT APARTMENT 2E, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS & FINISHES AND RELATED PLUMBING AS PER PLANS. NO CHANGE  
IN USE EGRESS  
OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219227-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LAWRENCE S GROSSMAN**

## ADJOINING PROPERTY FINDINGS

Date: **2/10/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
AT APARTMENT 2E, PROPOSED RENOVATION OF APARTMENT INCLUDING  
REMOVAL OF MINOR  
PARTITIONS & FINISHES AND RELATED PLUMBING AS PER PLANS. NO CHANGE  
IN USE EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120219227-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ABDUL MOHAMMED**

Date: **4/28/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z121474**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PS&E ELECTRIC CONTRS INC**

## ADJOINING PROPERTY FINDINGS

Date: **3/24/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INTERIOR RENOVATION TO APARTMENT #4E ON THE 4th FLOOR, REMOVE AND  
CONSTRUCT  
PARTITIONS, PLUMBING WORK, ALL AS PER PLAN. NO CHANGE IN EGRESS,  
USE OR  
OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104318454-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ATILLA SENGUN**

Date: **2/10/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION TO EXISTING APARTMENTS 6E AND 6R ON THE 6TH  
FLOOR. REMOVE  
AND CONSTRUCT NEW PARTITIONS, INSTAL NEW VENTILATION FOR  
BATHROOM, REMOVE,  
REPLACE & INSTALL NEW PLUMBING FIXTURES. ALL AS PER PLAN. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110310574-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

## ADJOINING PROPERTY FINDINGS

Date: **11/24/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD819280-01) WITH BOILER  
AND GAS/OIL  
BURNER AND CHANGE FROM #6 TO #4 OIL. THIS BOILER ALSO HEATS 200 WEST  
107TH  
STREET,**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110392824-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **IRVING BAUER**

Date: **11/24/2008**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **110392824-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: 11/24/2008  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD819280-01) WITH BOILER  
AND GAS/OIL  
BURNER AND CHANGE FROM #6 TO #4 OIL. THIS BOILER ALSO HEATS 200 WEST  
107TH  
STREET,

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110392824-01-EW-FS  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: IRVING BAUER

Date: 11/24/2008  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FIRESTOPS  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD819280-01) WITH BOILER  
AND GAS/OIL  
BURNER AND CHANGE FROM #6 TO #4 OIL. THIS BOILER ALSO HEATS 200 WEST  
107TH  
STREET,

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110392824-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: IRVING BAUER

## ADJOINING PROPERTY FINDINGS

Date: 11/24/2008  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD819280-01) WITH BOILER  
AND GAS/OIL  
BURNER AND CHANGE FROM #6 TO #4 OIL. THIS BOILER ALSO HEATS 200 WEST  
107TH  
STREET,

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110392824-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ALAN E ROSENBERG

Date: 10/3/2008  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
INTERIOR RENOVATION TO EXISTING APARTMENTS 6E AND 6R ON THE 6TH  
FLOOR. REMOVE  
AND CONSTRUCT NEW PARTITIONS, INSTAL NEW VENTILATION FOR  
BATHROOM, REMOVE,  
REPLACE & INSTALL NEW PLUMBING FIXTURES. ALL AS PER PLAN. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 110310574-01-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ATILLA SENGUN

## ADJOINING PROPERTY FINDINGS

Date: **10/3/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO EXISTING APARTMENTS 6E AND 6R ON THE 6TH  
FLOOR. REMOVE  
AND CONSTRUCT NEW PARTITIONS, INSTAL NEW VENTILATION FOR  
BATHROOM, REMOVE,  
REPLACE & INSTALL NEW PLUMBING FIXTURES. ALL AS PER PLAN. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110310574-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ATILLA SENGUN**

Date: **2/1/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION TO APARTMENT #4E ON THE 4th FLOOR, REMOVE AND  
CONSTRUCT  
PARTITIONS, PLUMBING WORK, ALL AS PER PLAN. NO CHANGE IN EGRESS,  
USE OR  
OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104318454-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

## ADJOINING PROPERTY FINDINGS

Date: **1/27/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
INTERIOR RENOVATION TO APARTMENT #4E ON THE 4th FLOOR, REMOVE AND  
CONSTRUCT  
PARTITIONS, PLUMBING WORK, ALL AS PER PLAN. NO CHANGE IN EGRESS,  
USE OR  
OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104318454-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN BROWN**

Date: **5/2/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z103791**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **R & L SYSTEMS, INC.**

## ADJOINING PROPERTY FINDINGS

203 W 107TH ST

Date: 7/16/2014  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL APARTMENT 4B ON THE FOURTH FLOOR. NO CHANGE TO USE,  
EGRESS, OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140200226-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CLEANTHIS S MEIMAROGLOU

Date: 7/11/2014  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REMODEL APARTMENT 4B ON THE FOURTH FLOOR. NO CHANGE TO USE,  
EGRESS, OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140200226-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: GRAMATAS POULOS

## ADJOINING PROPERTY FINDINGS

Date: **12/2/2011**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 120909641-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **12/2/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE OIL BURNER WITH GAS/OIL BURNER ON NYC BOILER NO. MD10040-01  
AND INSTALL  
NEW GAS SERVICE, GAS METER AND GAS PIPING.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120909641-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MICHAEL A MANISCOLCO

## ADJOINING PROPERTY FINDINGS

Date: **11/19/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INTERIOR RENOVATION TO APT. 8B. MINOR PARTITIONS. PLUMBING WORK. ALL**  
**AS PER**  
**PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110192791-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DAVID L LEO**

Date: **6/30/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z117960**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PATAGONIA ELEC'L CONTR'G**

## ADJOINING PROPERTY FINDINGS

Date: **5/21/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APT. 8B. MINOR PARTITIONS. PLUMBING WORK. ALL  
AS PER  
PLANS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110192791-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KALMAN ARVAI**

Date: **5/14/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND BURNER AND CHANGE GRADE OF OIL FROM #6 TO #2.  
NO CHANGE IN  
USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110145888-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HAROLD WHITE**

## ADJOINING PROPERTY FINDINGS

Date: **5/14/2008**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 110145888-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **3/28/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z116633  
Status: COMPLETED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: NEW GRAND ELECTRIC, INC.

## ADJOINING PROPERTY FINDINGS

Date: **6/15/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
INTERIOR RENOVATION TO APARTMENTS #1B & #1D ON THE 1st FLOOR AND  
#5C ON THE 5th  
FLOOR, PARTITION AND PLUMBING WORK, ALL AS PER PLAN. NO CHANGE IN  
EGRESS, USE  
OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104603430-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KALMAR ARVAI**

Date: **5/1/2007**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z111295**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BOBTEK ELECTRICAL CORP.**

## ADJOINING PROPERTY FINDINGS

Date: **1/9/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION TO APARTMENTS #1B & #1D ON THE 1st FLOOR AND  
#5C ON THE 5th  
FLOOR, PARTITION AND PLUMBING WORK, ALL AS PER PLAN. NO CHANGE IN  
EGRESS, USE  
OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104603430-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THEODORE WAGNER**

Date: **9/15/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z109420**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NEW GRAND ELECTRIC, INC.**

## ADJOINING PROPERTY FINDINGS

Date: **3/14/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104128

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: BARBARO ELECT CO.INC

### 205 W 107TH ST

Date: **2/27/2013**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - BOILER  
PROPOSE TO REMOVE AND REBUILD PARTITIONS,INSTALL NEW PLUMBING &  
SANITARY AND GAS  
RISERS. REPLACE/RELOCATE PLUMBING FIXTURES, REPLACE BOILER AS PER  
PLANS FILED  
HEREWITH. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120841624-01-EW-BL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FJS PLUMBING, INC 0001106-MP

## ADJOINING PROPERTY FINDINGS

Date: **2/19/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
PROPOSE TO REMOVE AND REBUILD PARTITIONS,INSTALL NEW PLUMBING &  
SANITARY AND GAS  
RISERS. REPLACE/RELOCATE PLUMBING FIXTURES, REPLACE BOILER AS PER  
PLANS FILED  
HEREWITH. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120841624-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMETHYST ARTISAN CORP**

Date: **1/11/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
PROPOSE TO REMOVE AND REBUILD PARTITIONS,INSTALL NEW PLUMBING &  
SANITARY AND GAS  
RISERS. REPLACE/RELOCATE PLUMBING FIXTURES, REPLACE BOILER AS PER  
PLANS FILED  
HEREWITH. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120841624-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FJS PLUMBING, INC 0001106-MP**

## ADJOINING PROPERTY FINDINGS

Date: **9/15/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z127555

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MILLENNIUM MAINT & ELEC'L

Date: **9/1/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z127440

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MILLENNIUM MAINT & ELEC'L

## ADJOINING PROPERTY FINDINGS

207 W 107TH ST

Date: **1/9/2015**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
INSTALL NEW BOILER IN THE CELLAR WITH OIL AND GAS USE. NO CHANGE TO  
USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122244696-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HECTOR J ASENCIO, JR**

Date: **1/9/2015**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL NEW BOILER IN THE CELLAR WITH OIL AND GAS USE. NO CHANGE TO  
USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122244696-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HECTOR J ASENCIO, JR**

## ADJOINING PROPERTY FINDINGS

Date: **1/2/2015**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
REMODEL GROUND FLOOR APARTMENT AND ADD RECREATION ROOM IN  
CELLAR CONNECTED TO  
SAME. REMODEL EXISTING CELLAR APARTMENT. ADD ACCESSORY SUPER'S  
WORKSHOP IN  
CELLAR. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122165414-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

Date: **12/31/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATE APARTMENT 2W ON THE 2ND FLOOR. NO CHANGE TO USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122149834-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HECTOR J ASENCIO, JR**

## ADJOINING PROPERTY FINDINGS

Date: 12/31/2014  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL GROUND FLOOR APARTMENT AND ADD RECREATION ROOM IN  
CELLAR CONNECTED TO  
SAME. REMODEL EXISTING CELLAR APARTMENT. ADD ACCESSORY SUPER'S  
WORKSHOP IN  
CELLAR. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122165414-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: HECTOR J ASENCIO, JR

Date: 12/30/2014  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REMODEL GROUND FLOOR APARTMENT AND ADD RECREATION ROOM IN  
CELLAR CONNECTED TO  
SAME. REMODEL EXISTING CELLAR APARTMENT. ADD ACCESSORY SUPER'S  
WORKSHOP IN  
CELLAR. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122165414-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JACOB AVID

## ADJOINING PROPERTY FINDINGS

Date: **12/26/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
RENOVATE APARTMENT 2W ON THE 2ND FLOOR. NO CHANGE TO USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122149834-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

Date: **12/23/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATE APARTMENT 2W ON THE 2ND FLOOR. NO CHANGE TO USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122149834-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

## ADJOINING PROPERTY FINDINGS

Date: **6/19/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REPAIR STAIRS THROUGHOUT BUILDING. NO CHANGE TO USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122042976-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

Date: **3/5/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL APARTMENT 3E ON THE THIRD FLOOR AND APARTMENT 4E ON THE  
FOURTH FLOOR. NO  
CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121909658-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WILLIAM F HARVEY**

## ADJOINING PROPERTY FINDINGS

Date: **1/31/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
REMODEL APARTMENT 3E ON THE THIRD FLOOR AND APARTMENT 4E ON THE  
FOURTH FLOOR. NO  
CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121909658-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

Date: **1/31/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REMODEL APARTMENT 3E ON THE THIRD FLOOR AND APARTMENT 4E ON THE  
FOURTH FLOOR. NO  
CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121909658-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JACOB AVID**

## ADJOINING PROPERTY FINDINGS

Date: **9/5/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z131759

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: PETERBUILT ELECTRIC, INC

### 210 W 107TH ST

Date: **11/17/2014**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APT 6H, PARTITION WORK, PAINTING AND  
FLOORING,  
NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 140280201-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: KAIYIN WANG

## ADJOINING PROPERTY FINDINGS

Date: **1/9/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION ON UNIT #3E FLOORING, PAINTING, WALL ONLY  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140145180-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **4/30/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED FOR REMEDIAL  
REPAIRS AS PER  
PLANS . NO CHANGE IN USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL  
COMPLY WITH  
CHAPTER #33 OF THE NYC BUILDING CODE.LIVE LOAD 300PSF.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140074327-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROYAL ENGINEERING PC**

## ADJOINING PROPERTY FINDINGS

Date: **3/27/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**SEE COMMENT #24**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121375127-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CASE PLUMBING LLC 0000474-MP**

Date: **3/13/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**INTERIOR RENOVATION ON UNIT #2A, FLOORING, PAINTING AND MINOR**  
**PARTITION WALLS,**  
**NO CHANGE IN USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121565056-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

## ADJOINING PROPERTY FINDINGS

Date: **5/12/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
THE REMOVAL OF EXISTING STONE FINISHES FROM LOBBY WALLS AND THE  
REMOVAL OF  
ORNAMENTAL PLASTER AT LOBBY CEILINGS. THE WALLS ARE THEN FURRED  
AND FINISHED  
WITH WOOD PANELING AND THE CEILINGS FINISHED WITH DRYWALL  
ATTACHED TO METAL  
FURRING AND EXISTING BLACK IRON. THERE IS NO CHANGE TO USE  
OCCUPANCY OR  
EGRESS..**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104429539-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD MISHKIN**

### 211 W 107TH ST

Date: **5/20/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
RENOVATION TO EXISTING APT. ADD BATHROOM, THRU WALL AC UNITS,  
RENOVATE KITCHEN  
NO CHANGE TO USE OCCUPANCY OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120615708-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN RAMOS**

## ADJOINING PROPERTY FINDINGS

Date: **2/24/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATION TO EXISTING APT. ADD BATHROOM, THRU WALL AC UNITS,**  
**RENOVATE KITCHEN**  
**NO CHANGE TO USE OCCUPANCY OR EGRESS**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120615708-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT E MCMANUS**

Date: **2/22/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR**  
**RENOVATION TO EXISTING APT. ADD BATHROOM, THRU WALL AC UNITS,**  
**RENOVATE KITCHEN**  
**NO CHANGE TO USE OCCUPANCY OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120615708-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN RAMOS**

## ADJOINING PROPERTY FINDINGS

Date: **7/9/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z126650

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: PRO ELECTRIC CORP.

Date: **6/10/2010**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE BOILER AND OIL BURNER (NYC BOILER NO. MD 12492-01). INSTALL  
H.W. STORAGE  
TANK.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120075195-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: JOSEPH LAMARCA

## ADJOINING PROPERTY FINDINGS

Date: **3/24/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER (NYC BOILER NO. MD 12492-01). INSTALL  
H.W. STORAGE  
TANK.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120075195-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LESTER STARR**

Date: **3/24/2009**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **120075195-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **1/8/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
CREATE RECREATION ROOM IN CELLER WITH ACCESS FROM 1ST FLR.INSTALL  
NEW WOODEN  
STAIRCASE W/REINFORCED FRAMED OPENING.MINOR PARTITION WORK ON  
1ST FLOOR,NEW BATH  
IN CELLAR AS PER PLANS FILED**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110119489-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAMES ARVANTIS**

Date: **11/18/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
CREATE RECREATION ROOM IN CELLER WITH ACCESS FROM 1ST FLR.INSTALL  
NEW WOODEN  
STAIRCASE W/REINFORCED FRAMED OPENING.MINOR PARTITION WORK ON  
1ST FLOOR,NEW BATH  
IN CELLAR AS PER PLANS FILED**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110119489-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ZBIGNIEW WANIELISTA**

## ADJOINING PROPERTY FINDINGS

Date: **8/29/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
MINOR PARTITION, VENTILATION AND PLUMBING CHANGES ON PART OF 2ND  
FLOOR.  
NO CHANGE TO USE, EGRESS OR OCCUPANCY .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104449679-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WOJCEICH KWIACHOWSKI**

Date: **8/29/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
MINOR PARTITION, VENTILATION AND PLUMBING CHANGES ON PART OF 2ND  
FLOOR.  
NO CHANGE TO USE, EGRESS OR OCCUPANCY .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104449679-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WOJCEICH KWIACHOWSKI**

## ADJOINING PROPERTY FINDINGS

Date: **7/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108755

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: AMPOL ELEC'L CONT. INC.

Date: **6/29/2006**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
MINOR PARTITION, VENTILATION AND PLUMBING CHANGES ON PART OF 2ND  
FLOOR.  
NO CHANGE TO USE, EGRESS OR OCCUPANCY .**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104449679-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: SEMYON PIVOVAROV

## ADJOINING PROPERTY FINDINGS

### W 108 ST

#### 156 W 108 ST

Date: 10/1/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
FILING HEREWITH DEMO & CONSTRUCTION PLANS SHOWING PARTIAL  
RENOVATION WORK ON 1ST  
AND ROOF LEVEL AS PER PLANS SUBMITTED. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY  
UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121867569-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PATRICK FITZPATRICK

Date: 10/1/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - MECH/HVAC  
FILING HEREWITH DRAWINGS SHOWING MECHANICAL WORK ON THE 1ST AND  
ROOF LEVEL AS  
PER PLANS SUBMITTED. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER  
THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121867569-02-EW-MH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PATRICK FITZPATRICK

## ADJOINING PROPERTY FINDINGS

Date: **5/9/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF INERGEN FIRE SUPPRESSIONSYSTEM ON THE 1ST FLOOR AS  
PLANS  
NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104309785-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD ALEXANDER**

### **W 108TH ST**

**156 W 108TH ST**

Date: **10/1/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
FILING HEREWITH DEMO & CONSTRUCTION PLANS SHOWING PARTIAL  
RENOVATION WORK ON 1ST  
AND ROOF LEVEL AS PER PLANS SUBMITTED. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY  
UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121867569-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PATRICK FITZPATRICK**

## ADJOINING PROPERTY FINDINGS

Date: **10/1/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
FILING HEREWITH DRAWINGS SHOWING MECHANICAL WORK ON THE 1ST AND  
ROOF LEVEL AS  
PER PLANS SUBMITTED. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER  
THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121867569-02-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PATRICK FITZPATRICK**

Date: **9/16/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON FIRST FLOOR TO INCLUDE REMOVAL OF DOOR  
CONSTRUCTION OF  
NEW NON-LOADING BEARING WALL ELECTRICAL EQUIPMENT BASE AND  
FINISHES. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120827917-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TIM MOORE**

## ADJOINING PROPERTY FINDINGS

Date: **4/1/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z129475

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: CARUSO & SONS ELECTL CONT

Date: **4/26/2010**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACING OF AN EXISTING EMERGENCY GENERATOR WITH A NEW  
EMERGENCY GENERATOR WITH  
ASSOCIATED WORKS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120318799-01-EW-FS

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: REED D RICKMAN

## ADJOINING PROPERTY FINDINGS

Date: **4/20/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REPLACING OF AN EXISTING EMERGENCY GENERATOR WITH A NEW  
EMERGENCY GENERATOR WITH  
ASSOCIATED WORKS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120318799-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TIM MOORE**

Date: **4/16/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
REPLACING OF AN EXISTING EMERGENCY GENERATOR WITH A NEW  
EMERGENCY GENERATOR WITH  
ASSOCIATED WORKS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120318799-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TIM MOORE**

## ADJOINING PROPERTY FINDINGS

Date: **5/9/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF INERGEN FIRE SUPPRESSION SYSTEM ON THE 1ST FLOOR AS  
PLANS  
NO CHANGES**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104309785-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RICHARD ALEXANDER**

### **161 W 108TH ST**

Date: **10/2/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z109569**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **OHM'S ELECTRICAL CORP**

## ADJOINING PROPERTY FINDINGS

Date: **8/1/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER**  
**Install one low pressure steam boiler, #2 oil burner, one 1,500 gallon oil storage tank, one exterior 12" diameter double wall stainless steel chimney and all related work.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104503814-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CLEVIE STEWART**

Date: **8/1/2006**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **104503814-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **8/1/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE**  
**Install one low pressure steam boiler, #2 oil burner, one 1,500 gallon oil storage tank, one exterior 12" diameter double wall stainless steel chimney and all related work.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104503814-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CLEVIE STEWART**

Date: **8/1/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - EXT. CHIMNEY**  
**Install one low pressure steam boiler, #2 oil burner, one 1,500 gallon oil storage tank, one exterior 12" diameter double wall stainless steel chimney and all related work.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104503814-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER KAY**

## ADJOINING PROPERTY FINDINGS

200 W 108TH ST

Date: 1/7/2015  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2  
HEREWITH THIS APPLICATION IS BEING FILED FOR PROPOSED RENOVATION OF  
THE EXISTING  
APARTMENT, CONSISTING OF GENERAL CONSTRUCTION & PLUMBING. NO  
CHANGE TO USE  
OCCUPANCY OR EGRESS.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140297462-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JULIO MUNDO

Date: 1/5/2015  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
HEREWITH THIS APPLICATION IS BEING FILED FOR PROPOSED RENOVATION OF  
THE EXISTING  
APARTMENT, CONSISTING OF GENERAL CONSTRUCTION & PLUMBING. NO  
CHANGE TO USE  
OCCUPANCY OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140297462-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: SHAO DONG KWOK

## ADJOINING PROPERTY FINDINGS

Date: **12/9/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF SIDEWALK SHED AS PER PLANS. WORK SHALL COMPLY  
WITH 2008 BUILDING  
CODE CHAPTER 33. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140289104-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE KIM**

Date: **2/27/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
INSTALL A HOT WATER SUPPLY BOILER AND CONNECT TO THE EXISTING GAS  
LINE . HOT  
WATER STORAGE TANKS ALSO TO BE INSTALLED .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140165719-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LI KONG MA**

## ADJOINING PROPERTY FINDINGS

Date: **2/27/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INSTALL A HOT WATER SUPPLY BOILER AND CONNECT TO THE EXISTING GAS**  
**LINE . HOT**  
**WATER STORAGE TANKS ALSO TO BE INSTALLED .**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140165719-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LI KONG MA**

Date: **1/28/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**HEREWITH FILE TO COMBINE APARTMENTS 4AE WITH 4B AND 4F. MINOR**  
**DEMOLITION OF**  
**PARTITIONS, REMOVAL OF TWO KITCHENS AND MINOR NEW PARTIONS AND**  
**RENOVATION OF**  
**KITCHEN.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121841061-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS J MCMAHON**

## ADJOINING PROPERTY FINDINGS

Date: **1/27/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
OIL TANK REPLACEMENT .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140148436-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS VITTORIA JR**

Date: **12/11/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
HEREWITH FILE TO COMBINE APARTMENTS 4AE WITH 4B AND 4F. MINOR  
DEMOLITION OF  
PARTITIONS, REMOVAL OF TWO KITCHENS AND MINOR NEW PARTIONS AND  
RENOVATION OF  
KITCHEN.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESIDENTIAL: APARTMENT HOUSES**  
Permit Number: **121841061-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CORTLANDT CONTRACTING COR**

## ADJOINING PROPERTY FINDINGS

Date: **5/13/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION & COMBINATION OF APTS.PH-B,PH-C & PH-D INTO ONE  
APARTMENT &  
RESTORE PH-A (PREVIOUSLY COMBINED WITH PH-B UNDER ALT 104735271) TO  
SEPARATE  
APT. WORK TO INCLUDE NON-STRUCTURAL DEMOLITION,GENERAL  
CONSTRUCTION & PLUMBING  
MODIFICATIONS AS PER PLANS FILED HEREWITH. NO CHANGE IN USE, EGRESS  
OR  
OCCUPANCY. APTS. COMBINED AS PER TPPN 3/97.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121084780-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MIKE LORENZ, CORP 0002202-MP**

Date: **11/7/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **121505567-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **11/7/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
BURNER REPLACEMENT AND CONVERSION FROM #6 OIL TO #2 OIL AND  
NATURAL  
GAS .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121505567-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS VITTORIA JR**

Date: **11/7/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
BURNER REPLACEMENT AND CONVERSION FROM #6 OIL TO #2 OIL AND  
NATURAL  
GAS .**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121505567-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LI KONG MA**

## ADJOINING PROPERTY FINDINGS

Date: **6/1/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC/APT. COMBO.  
INTERIOR RENOVATION & COMBINATION OF APTS.PH-B,PH-C & PH-D INTO ONE  
APARTMENT &  
RESTORE PH-A (PREVIOUSLY COMBINED WITH PH-B UNDER ALT 104735271) TO  
SEPARATE  
APT. WORK TO INCLUDE NON-STRUCTURAL DEMOLITION,GENERAL  
CONSTRUCTION & PLUMBING  
MODIFICATIONS AS PER PLANS FILED HEREWITH. NO CHANGE IN USE, EGRESS  
OR  
OCCUPANCY. APTS. COMBINED AS PER TPPN 3/97.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121084780-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICHOLA DIONOVIC**

Date: **4/30/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION OF APARTMENT 11G-D AS PER PLANS. REMOVE NON-BEARING  
INTERIOR  
PARTITIONS INSTALL NEW NON-BEARING INTERIOR PARTITIONS AND PATCH  
CEILINGS AS  
REQUIRED. INSTALLATION OF NEW PLUMBING FIXTURES. NO CHANGE TO  
OCCUPANCY, USE,  
EGRESS OR BULK.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120979441-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS J MCMAHON**

## ADJOINING PROPERTY FINDINGS

Date: **4/5/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
RENOVATION OF APARTMENT 11G-D AS PER PLANS. REMOVE NON-BEARING  
INTERIOR  
PARTITIONS INSTALL NEW NON-BEARING INTERIOR PARTITIONS AND PATCH  
CEILINGS AS  
REQUIRED. INSTALLATION OF NEW PLUMBING FIXTURES. NO CHANGE TO  
OCCUPANCY, USE,  
EGRESS OR BULK.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120979441-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRIAN HICKEY**

Date: **1/24/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
PROPOSED INTERIOR RENOVATION IN EXISTING STORE. CHANGE THE SPIRAL  
STAIRS TO THE  
CELLAR TO A NON COMBUSTIBLE STEEL STAIR, SHEETROCK AND PAINT  
EXISTING WALLS.  
INSTALL NEW SPRINKLER HEAD. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120716092-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS J O'GRADY**

## ADJOINING PROPERTY FINDINGS

Date: **1/9/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
PROPOSED INTERIOR RENOVATION IN EXISTING STORE. CHANGE THE SPIRAL  
STAIRS TO THE  
CELLAR TO A NON COMBUSTIBLE STEEL STAIR, SHEETROCK AND PAINT  
EXISTING WALLS.  
INSTALL NEW SPRINKLER HEAD. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120716092-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LIZ LEKUTONAJ**

Date: **11/3/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
COMBINE APT 11D AND 11G REMOVE KITCHEN MINOR PARTITION REPAIR NO  
CHANGE IN  
USE OCCUPANCY OR EGRESS**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120479650-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SALVATORE ROTONDO**

## ADJOINING PROPERTY FINDINGS

Date: **10/25/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
COMBINE APT 11D AND 11G REMOVE KITCHEN MINOR PARTITION REPAIR NO  
CHANGE IN  
USE OCCUPANCY OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120479650-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PJETER GJONAJ**

Date: **8/10/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
COMBINE TWO ADJOINING APARTMENTS - MINOR PARTITION CHANGE AND  
REMOVAL OF  
KITCHEN FIXTURE.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120438865-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL HARTIGAN**

## ADJOINING PROPERTY FINDINGS

Date: **6/23/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REMOVAL OF INTERIOR MINOR NON-BEARING PARTITION,NEW MIRROR  
INTERIOR PARTITION  
FOR RENOVATION OF TWO SEPARATE APARTMENTS 2A & 2E PLUMBING AS  
PER PLANS PREVIO  
US SCOPE OF WORK TO COMBINE APARTMENTS IS NO LONGER PROPOSED NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **101981893-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **THOMAS J O'GRADY**

Date: **6/18/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
MASONRY AND LINTEL REPLACEMENT. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120366932-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WAYNE BELLET**

## ADJOINING PROPERTY FINDINGS

Date: **3/26/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
MINOR PARTITION MODIFICATION AND REMOVAL OF PLUMBING ON 6TH FLOOR.  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110316587-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANDREW C IMPAGLIAZZO**

Date: **3/9/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
MINOR REMOVAL OF INTERIOR NON-BEARING PARTITIONS. MINOR NEW  
INTERIOR PARTITIONS  
FOR RENOVATION OF EXISTING KITCHEN. PLUMBING AS PER PLANS. NO  
CHANGE IN USE,  
EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110458282-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL A SPINELLI, JR**

## ADJOINING PROPERTY FINDINGS

Date: **2/25/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
MINOR REMOVAL OF INTERIOR NON-BEARING PARTITIONS. MINOR NEW  
INTERIOR PARTITIONS  
FOR RENOVATION OF EXISTING KITCHEN. PLUMBING AS PER PLANS. NO  
CHANGE IN USE,  
EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110458282-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARIELLE WILKES**

Date: **11/3/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
COMBINE TWO ADJOINING APARTMENTS-MINOR P ARTITION CHANGE AND  
REMOVAL OF  
ITCHEN FIXTURE.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102755190-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARISTOTELIS DDIAKOVASILIS**

## ADJOINING PROPERTY FINDINGS

Date: **8/20/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
MINOR PARTITION MODIFICATION AND REMOVAL OF PLUMBING ON 6TH FLOOR.  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110316587-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HECTOR SOLIS**

Date: **7/16/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
Renovation to interior partitions along with related plumbing work. No change  
to use, egress or occupancy.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104617498-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMENT SANGIRAY**

## ADJOINING PROPERTY FINDINGS

Date: **4/8/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.**  
**Renovation to interior partitions along with related plumbing work. No change to use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104617498-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NICK DJONOVICC**

Date: **8/8/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**MINOR ALTERATIONS TO EXISTING APT. #12A ON THE 12TH FL, INCLUDING PARTITION REMOVAL, PARTITION WORK, REMOVAL, RELOCATION AND REPLACEMENT OF BATHROOM AND KITCHEN PLUMBING FIXTURES AS INDICATED. NO CHANGE IN USE, EGRESS AND OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104829232-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

## ADJOINING PROPERTY FINDINGS

Date: **7/23/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
MINOR ALTERATIONS TO EXISTING APT. #12A ON THE 12TH FL, INCLUDING  
PARTITION  
REMOVAL, PARTITION WORK, REMOVAL, RELOCATION AND REPLACEMENT OF  
BATHROOM AND  
KITCHEN PLUMBING FIXTURES AS INDICATED. NO CHANGE IN USE, EGRESS  
AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104829232-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NIKOLA DJONOVIC**

Date: **1/17/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC/ST  
COMBINING APT 7B AND 8B. REMOVE ONE KITCHEN. NO CHANGE IN USE,  
OCCUPANCY  
OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104563820-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN ROAZZI**

## ADJOINING PROPERTY FINDINGS

Date: **1/17/2007**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Renovate apt 5C. Relocate non bearing partitions and replace plumbing fixtures on existing roughing. No change to use egress or occupancy under this applciaiton.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104598543-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HENRY TRAKTMAN**

Date: **12/28/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**COMBINING APT 7B AND 8B. REMOVE ONE KITCHEN. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104563820-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CARMINE SPIRIO**

## ADJOINING PROPERTY FINDINGS

Date: **12/28/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION OF AN EXISTING APARTMENT #12-C/D. ACTUAL  
NUMBER OF STORIES  
IS 17 ACTUAL HEIGHT IS 180 FEET; COMPUTER GLITCH PREVENTED US FROM  
ENTERING IT  
CORRECTLY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104622794-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT MCFARLAND**

Date: **12/28/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONST.  
Renovate apt 5C. Relocate non bearing partitions and replace plumbing fixtures  
on existing roughing. No change to use egress or occupancy under this  
applciaiton.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104598543-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLUARD BANTON**

## ADJOINING PROPERTY FINDINGS

Date: **12/18/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
INTERIOR RENOVATION OF AN EXISTING APARTMENT #12-C/D. ACTUAL  
NUMBER OF STORIES  
IS 17 ACTUAL HEIGHT IS 180 FEET; COMPUTER GLITCH PREVENTED US FROM  
ENTERING IT  
CORRECTLY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104622794-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DANIEL J MRPHY**

Date: **12/11/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
APPLICATION HEREBY FILED TO COMBINE APARTMENTS 16D AND 16G INTO  
ONE APARTMENT  
IN ACCORDANCE WITH TPN 3/97. PARTITION AND PLUMBING WORK AS  
SHOWN.NO OTHER  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104487299-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CARMINE SPIRO**

## ADJOINING PROPERTY FINDINGS

Date: **11/15/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONST.  
APPLICATION HEREBY FILED TO COMBINE APARTMENTS 16D AND 16G INTO  
ONE APARTMENT  
IN ACCORDANCE WITH TPN 3/97. PARTITION AND PLUMBING WORK AS  
SHOWN.NO OTHER  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104487299-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN ROAZZI**

Date: **10/18/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z109856**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **NORWAY ELECTRIC CORP.**

## ADJOINING PROPERTY FINDINGS

Date: **9/22/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
COMBINE TWO ADJOINING APARTMENTS-MINOR P ARTITION CHANGE AND  
REMOVAL OF  
ITCHEN FIXTURE.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102755190-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER LEAHY**

Date: **7/27/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF 60 LINEAR FEET OF HEAVY DUTY SIDEWALK  
SHED FOR  
REMEDIAL REPAIRS. SIDEWALK SHED SHALL COMPLY WITH LL 33/91. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PSF. NO  
STORAGE ON  
SIDEWALK SHED.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104501709-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTONIO MIRANDA**

## ADJOINING PROPERTY FINDINGS

Date: **7/12/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Remove and replace masonry Veneer at north and east and part of south penthouse elevation remove existing windows and doors and replace with new sliding doors make probes on north and east walls as per plans. No change in use egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103832658-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTONIO MIRANDA**

Date: **7/11/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD**  
**WE SHALL INSTALL PIPE SCAFFOLDING 40' HIGH. THIS SHALL BE USED FOR EXTERIOR FACADE RESTORATION. THIS WILL NOT CHANGE ANY USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103847786-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTONIO MIRANDA**

## ADJOINING PROPERTY FINDINGS

Date: **6/1/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108412

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: J.A. LEE ELECTRIC, INC.

Date: **4/3/2006**

Permit Type: **AL**

Description: **ALTERATION TYPE 3 - ANTENNA  
INSTALLING TELECOMMUNICATIONS CABINETS WITH HVAC, RELATED  
DUNNAGE AND  
RELATED ANTENNAS ON ROOF. ALL IN CONFORMANCE WITH TPPN#5/98. NO  
CHANGE  
IN USE , EGRESS OR OCCUPANCY.**

Permit Description: **ALTERATION**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 104261852-01-AL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: THOMAS COSTA

## ADJOINING PROPERTY FINDINGS

Date: **3/3/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Combine Apartmens 4b with 4a . Minor partition opening and plumbing work.**  
**No change in Use, Egress and Occupancy.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103414654-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARISTOTELIS DIAKOVASILIS**

Date: **2/10/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RESTORE APT 4 A AND 5A AS SEPERATE APT.SUPERCEEDING APPLICATION**  
**1034146**  
**54 PROVIDE 2 HR. SPERATING WALL WITHGAS RANGE ATKITCHEN**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104315466-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARISTOTELIS DIAKOVASLLIS**

## ADJOINING PROPERTY FINDINGS

Date: 1/11/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
RESTORE APT 4 A AND 5A AS SEPERATE APT.SUPERCEEDING APPLICATION  
1034146  
54 PROVIDE 2 HR. SPERATING WALL WITHGAS RANGE ATKITCHEN

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104315466-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHRISTOPHER LEAHY

Date: 1/10/2006  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN CON  
COMBINE APARTMENTS 17C & 17D REMOVE MISCELLANCEOUS PARTITIONS,  
NEW  
APARTMENT LAYOUT REPLACE EXISTING BATHROOM ON EXISTING ROUGHING,  
REPAAIR  
DAMAGED BRANCH, VENT AND DRAIN LINES AS REQUIRED. NO CHANGE IN  
USE,EGRESS OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104077561-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHRISTOPHER LEAHY

## ADJOINING PROPERTY FINDINGS

Date: **7/20/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z105415

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: SOPOT LIGHT & POWER ELEC'

Date: **6/28/2005**

Permit Type: **EQ**

Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
WE SHALL INSTALL 60 L.F. OF HEAVY DUTY SIDEWALK SHED. THERE WILL BE  
NO CHANGE  
IN USE EGRESS OR OCCUPANCY IT WILL BE USED FOR FACADE REPAIR.**

Permit Description: **CONSTRUCTION EQUIPMENT**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 103824391-01-EQ-SH

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: ANTONIO MIRANDA

## ADJOINING PROPERTY FINDINGS

Date: **5/27/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
COMBINE APARTMENTS 17C & 17D REMOVE MISCELLANEOUS PARTITIONS,  
NEW  
APARTMENT LAYOUT REPLACE EXISTING BATHROOM ON EXISTING ROUGHING,  
REPAAIR  
DAMAGED BRANCH, VENT AND DRAIN LINES AS REQUIRED. NO CHANGE IN  
USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104077561-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARISTOTELIS DIAKOVASILIS**

Date: **5/12/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
REPLACE PARAPET WALL AT STREET WALLS REPAIR N/E CORNER MASONRY  
AT  
PENHOUSE. SIDEWALK SHED IF REQUIRED TO BE FILED UNDER A SEPARATE  
APPLICATION.  
NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104070764-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTONIO MIRANDA**

## ADJOINING PROPERTY FINDINGS

Date: **5/10/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**PLUMBING REPAIRS AS PER PLANS. THERE IS NO CHANGE TO OCCUPANCY, EGRESS OR USE.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104081306-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LOUIS ABRAMO**

Date: **5/9/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**PLUMBING REPAIRS AS PER PLANS. THERE IS NO CHANGE TO OCCUPANCY, EGRESS OR USE.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104081306-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERRY RYNKIEWICZ**

## ADJOINING PROPERTY FINDINGS

Date: **1/26/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Combine two apartments. Construct new convenience stair. Minor interior demolition and construction of partitions. No change to use, egress or occupancy.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103999461-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROMAN PIKULIN**

Date: **1/19/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Combine two apartments. Construct new convenience stair. Minor interior demolition and construction of partitions. No change to use, egress or occupancy.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103999461-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL PACHACZ**

## ADJOINING PROPERTY FINDINGS

Date: **1/19/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - Structural**  
**Install convenience stair between two combined apartments.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103999461-02-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL PACHACZ**

Date: **1/4/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z107021**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **J.A. LEE ELECTRIC, INC.**

Date: **12/1/2004**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z102581**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ID ELECTRIC CORP.**

## ADJOINING PROPERTY FINDINGS

### 201 W 108TH ST

Date:

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z130105

Status: OBJECTION PENDING AT OWNER

Valuation: \$0.00

Contractor Company:

Contractor Name:

### 202 W 108TH ST

Date: **2/9/2007**

Permit Type: **AL**

Description: **ALTERATION TYPE 1 -  
FILING HEREWITH FOR ADMINISTRATIVE ALT-1 TO CORRECT FINAL CO DATED  
33/06  
ISSUED UNDER ALT-1 #103575132 TO REMOVE FIRE ALARM SYSTEM AS FIRE  
PROTECTION EQUIP  
MENT. THE BUILDING HAS NO FA SYSTEM. IN ADDITION, ALL INSPECTIONS,  
SIGN-OFF &  
FEES ARE TO BE WAIVED.**

Permit Description: **ALTERATION**

Work Class: A1 - ALTERATION TYPE 1

Proposed Use:

Permit Number: 104589465-01-AL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: HAROLD JUPITER

## ADJOINING PROPERTY FINDINGS

Date: **2/8/2005**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**FILING HEREWITH FOR PLUMBING WORKAS PER PLANS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103674196-02-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHEAL CONTILLO**

Date: **9/8/2004**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z101995**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **S. J. ELECTRIC INC.**

Date: **7/6/2004**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z099054**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TITAN ELEC'L & ELEV CONTR**

## ADJOINING PROPERTY FINDINGS

Date: **7/2/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - FENCE  
FOR EXCAVATION IN CONJUNCTION WITH NEW BLDG. APPLICATION #103575132.  
INSTALLATION OF TEMPORARY FENCE.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103582286-01-EQ-FN**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FRANK STEPHAN**

Date: **7/2/2004**  
Permit Type: **NB**  
Description: **NEW BUILDING -**

Permit Description: **NEW BUILDING**  
Work Class: **NB - NEW BUILDING**  
Proposed Use:  
Permit Number: **103575132-01-NB**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MR FRANK STEPHAN**

## ADJOINING PROPERTY FINDINGS

**203 W 108TH ST**

Date: **1/15/2015**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 16 AS PLAN. MINOR  
PARTITION WORK,  
FLOORING AND PAINTING. NO CHANGE IN OCCUPANCY, USE OR EGRESS**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140301162-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **8/13/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS.  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE.LIVE LOAD 300PSF.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140235323-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PAUL SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **3/28/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 14 ON 4FL. PAINTING, FLOORING AND MINOR  
PARTITION  
WORK. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140178858-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **2/18/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 4 ON 1FL. PAINTING, FLOORING AND MINOR  
PARTITION  
WORK. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140162240-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

## ADJOINING PROPERTY FINDINGS

Date: **9/23/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF EXISTING APARTMENT 5 ON 2FL AND APARTMENT  
17 ON 5FL.  
MINOR PARTITION WORK, PAINTING AND FLOORING, NO CHANGE IN USE,  
EGRESS OR  
OCCUPANCY UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140117228-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **11/12/2004**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z102632**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SCIENTIFIC ELEC. CO. INC**

## ADJOINING PROPERTY FINDINGS

Date: **8/9/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE TWO (2) GAS BOILERS WITH BOILER AND GAS BURNER. NO CHANGE  
IN EGRESS,  
OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103852261-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN ROSENBERG**

Date: **8/9/2004**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE TWO (2) GAS BOILERS WITH BOILER AND GAS BURNER. NO CHANGE  
IN EGRESS,  
OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103852261-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN ROSENBERG**

## ADJOINING PROPERTY FINDINGS

204 W 108TH ST

Date: 7/14/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
RELOCATE EXISTING 48 GAS METERS INTO CELLAR, INSTALL 2 NEW GAS METERS.NEW GAS METER ROOM. NO CHANGE IN USE OCCUPANCY OR EGRESS

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140209129-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: BILLY STAVRIANOPOULOS

Date: 6/12/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
RELOCATE EXISTING 48 GAS METERS INTO CELLAR, INSTALL 2 NEW GAS METERS.NEW GAS METER ROOM. NO CHANGE IN USE OCCUPANCY OR EGRESS

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140209129-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHEE HOE LAM

## ADJOINING PROPERTY FINDINGS

Date: **3/1/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
FACADE REPAIR AS PER PLANS FILED HEREWITH. NO CHANGE TO USE,  
EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120790910-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MONA ENGEL**

Date: **8/1/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED AS PER PLANS. NO CHANGE  
IN USE, EGRESS,  
OR OCCUPANCY. WORK SHALL COMPLY WITH 2008 BUILDING CODE CHAPTER  
33**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120776936-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER DOWNES**

## ADJOINING PROPERTY FINDINGS

Date: **11/17/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z114831

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ITKIN ELECTRIC CORP.

Date: **8/17/2007**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - BOILER  
REPLACE TWO (2) GAS BOILERS WITH BOILER, OIL BURNER AND FUEL OIL  
TANK. NO  
CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104871765-01-EW-BL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: LEONARD SIBRIZZI

## ADJOINING PROPERTY FINDINGS

Date: **8/17/2007**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 104871765-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **8/17/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE TWO (2) GAS BOILERS WITH BOILER, OIL BURNER AND FUEL OIL  
TANK. NO  
CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104871765-01-EW-FS  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: LEONARD SIBRIZZI

## ADJOINING PROPERTY FINDINGS

Date: **8/17/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
REPLACE TWO (2) GAS BOILERS WITH BOILER, OIL BURNER AND FUEL OIL  
TANK. NO  
CHANGE IN EGRESS, OCCUPANCY OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104871765-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **WILLIAM JEBAILY**

Date: **9/12/2006**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
Erection of 140 linear feet of heavy duty (300psf) sidewalk shed, as per BSA  
Minutes 351-74-SM. Sidewalk shed to comply with TPPN 9/99. No change to egress,  
use or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104374703-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOM ZOVAS**

## ADJOINING PROPERTY FINDINGS

Date: **9/5/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - RESTORATION  
EXTERIOR RESTORATION WORK AT ROOF AND ALONG FACADE AS DESCRIBED  
AND DEPICTED ON  
PLANS FILED HEREWITH. NO CHANGE IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104269104-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOM ZOVAS**

Date: **12/10/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z106811**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MYSTIC ELECTRICAL CORP**

## ADJOINING PROPERTY FINDINGS

Date: **12/10/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z106824

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

Date: **10/17/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z106196

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: R & L SYSTEMS, INC.

Date: **8/5/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z105556

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

## ADJOINING PROPERTY FINDINGS

Date: **5/23/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104683

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

Date: **5/23/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104684

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

Date: **5/16/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104685

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

## ADJOINING PROPERTY FINDINGS

Date: **5/9/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104686

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MYSTIC ELECTRICAL CORP

### 209 W 108TH ST

Date: **8/29/2012**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z136288

Status: OBJECTN PENDING AT CONTRACTOR

Valuation: \$0.00

Contractor Company:

Contractor Name: GEMINI ELECTRIC CO., INC.

## ADJOINING PROPERTY FINDINGS

211 W 108TH ST

Date: 1/21/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - BOILER  
REPLACEMENT OF GAS FIRED BOILER. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121897395-01-EW-BL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JONATHAN F CLARK

Date: 1/21/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
REPLACEMENT OF GAS FIRED BOILER. NO CHANGE IN USE, EGRESS OR OCCUPANCY.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121897395-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JONATHAN F CLARK

## ADJOINING PROPERTY FINDINGS

Date: **5/15/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z117148

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: SPIRO ELECTRIC INC.

Date: **4/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z107805

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: TWINS ELECTRIC CORP.

### 212 W 108TH ST

Date: **4/15/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z121371

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: TECHNO-VOLT ELEC, INC

## ADJOINING PROPERTY FINDINGS

Date: **3/30/2009**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 1 -  
SUBSTANTIAL REHABILITATION: NEW KITCHENS,BATHROOM FINISHES, STAIRS,  
WINDO  
WS, ROOF, MECHANICAL & HEATING SYSTEM. WE ARE MERGING LOT 41 (212  
WEST 108 STREE  
T) AND LOT 42 (214 WEST 108 STREET) INTO ONE TAX LOT.**

Permit Description: **ALTERATION**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104192794-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALI JAFRI**

Date: **4/23/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1  
SUBSTANTIAL REHABILITATION: NEW KITCHENS,BATHROOM FINISHES, STAIRS,  
WINDO  
WS, ROOF, MECHANICAL & HEATING SYSTEM. WE ARE MERGING LOT 41 (212  
WEST 108 STREE  
T) AND LOT 42 (214 WEST 108 STREET) INTO ONE TAX LOT.**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **104192794-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL FEIGENBAUM**

## ADJOINING PROPERTY FINDINGS

Date: **4/23/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 1 -  
SUBSTANTIAL REHABILITATION: NEW KITCHENS,BATHROOM FINISHES, STAIRS,  
WINDO  
WS, ROOF, MECHANICAL & HEATING SYSTEM. WE ARE MERGING LOT 41 (212  
WEST 108 STREE  
T) AND LOT 42 (214 WEST 108 STREET) INTO ONE TAX LOT.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **1PL002293-01-EW-SP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JONATHAN FEGENBAUM**

Date: **2/22/2008**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 1  
SUBSTANTIAL REHABILITATION: NEW KITCHENS,BATHROOM FINISHES, STAIRS,  
WINDO  
WS, ROOF, MECHANICAL & HEATING SYSTEM. WE ARE MERGING LOT 41 (212  
WEST 108 STREE  
T) AND LOT 42 (214 WEST 108 STREET) INTO ONE TAX LOT.  
Limited scope of work: CONNECT TO GAS PIPING PROVIDED BY OTHERS UNDER  
(PERMIT #104192794-01-PL)  
FROM BOILER ROOM WALL TO NEW GAS BOILER**

Permit Description: **PLUMBING**  
Work Class: **A1 - ALTERATION TYPE 1**  
Proposed Use:  
Permit Number: **1PL002408-01-PL-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FRANCIS RUSSO**

## ADJOINING PROPERTY FINDINGS

Date: **6/18/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - CHUTE  
INSTALL 18" DIAMETER PLASTIC CHUTE FOR RUBBISH REMOVAL IN  
CONJUNCTION WITH  
ALTERATION TYPE I APPLICATION # 104192794. NO CHANGE IN USE, EGRESS  
OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104631356-01-EQ-CH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALI JAFRI**

Date: **5/15/2007**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF 25 L.F. TEMPORARY HEAVY DUTY SIDEWALK SHED FOR  
FACADE REPAIRS.  
NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104611653-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAGDISH SINGH**

## ADJOINING PROPERTY FINDINGS

Date: **5/11/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z112243

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: ALSON ELEC'L CONTR. INC

Date: **2/10/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110808

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: FALCO ELEC'L SERVICES INC

## ADJOINING PROPERTY FINDINGS

### 215 W 108TH ST

Date: 12/13/2012  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF SIDEWALK SHED AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 140043799-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHRISTOPHER DOWNES

### 216 W 108TH ST

Date: 8/14/2014  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF TEMPORARY HEAVY DUTY SIDEWALK SHED AS PER PLANS.  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY.SIDEWALK SHED SHALL COMPLY WITH  
CHAPTER #33 OF THE NYC  
BUILDING CODE.LIVE LOAD 300PSF.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 140235332-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: PAUL SINGH

## ADJOINING PROPERTY FINDINGS

Date: **4/17/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 4W ON 4 FL. MINOR PARTITION WORK,  
PAINTING AND  
FLOORING. NO CHANGE IN USE, EGRESS AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140187143-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

Date: **12/30/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APARTMENTS 2W & 4R AS PER PLAN. MINOR  
PARTITION WORK,  
PAINTING AND FLOORING. NO CHANGE IN USE, EGRESS, AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESIDENTIAL APT HOUSE**  
Permit Number: **140145572-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **11/8/2013**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
REMOVE MINOR PARTITIONS, CEILING AND REPLACE EXIST'G COUNTER TOP,  
RETILE BATHRM  
@ APT#3R,3RD FLOOR. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121838084-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **10/23/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APARTMENT 1E& 2E. MINOR PARTITION WORK,  
PAINTING AND  
FLOORING, NO CHANGE IN USE, EGRESS, AND OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESIDENTIAL APT HOUSE**  
Permit Number: **140127538-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **9/23/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF EXISTING APARTMENT 3E. MINOR PARTITION WORK,  
PAINTING,  
FLOORING, NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESIDENTIAL APT HOUSE**  
Permit Number: **140116700-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **1/8/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REPIPE GAS DISTRIBUTION FOR APTS.(1E-5E, 1R-5R, 1W-5W) THROUGHOUT THE  
BUILDING.  
RELOCATE ALL GAS METERS TO CELLAR. THIS JOB IS BEING FILED IN  
CONJUNCTION WITH  
ARA# 110272339. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120173980-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KIRK SEUBERT**

## ADJOINING PROPERTY FINDINGS

Date: **12/30/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPIPE GAS DISTRIBUTION FOR APTS.(1E-5E, 1R-5R, 1W-5W) THROUGHOUT THE BUILDING.**  
**RELOCATE ALL GAS METERS TO CELLAR. THIS JOB IS BEING FILED IN CONJUNCTION WITH**  
**ARA# 110272339. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120173980-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KIRK SEUBERT**

Date: **12/18/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPAIR INTERIOR OF APARTMENTS 5E AND 5W DUE TO FIRE DAMAGE. NO CHANGE TO**  
**EXISTING USE EGRESS OR OCCUPANCY ALL AS SHOWN ON PLANS FILED HEREWITH.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120162787-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ARMAND J SANTILLO**

## ADJOINING PROPERTY FINDINGS

Date: **10/2/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REPAIR INTERIOR OF APARTMENTS 5E AND 5W DUE TO FIRE DAMAGE. NO  
CHANGE TO  
EXISTING USE EGRESS OR OCCUPANCY ALL AS SHOWN ON PLANS FILED  
HEREWITH.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120162787-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALEXANDER CASELLA JR**

Date: **10/31/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z109845**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SCIENTIFIC ELEC. CO. INC**

## ADJOINING PROPERTY FINDINGS

Date: **3/16/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER. NO CHANGE IN EGRESS, OCCUPANCY OR  
USE UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104373580-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **IRVING BAUER**

Date: **3/16/2006**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **104373580-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

218 W 108TH ST

Date: **7/9/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
REPAIR LINTELS AND DAMAGED BRICKS. RE-POINTING OF EXISTING BRICK  
FACADE. NO  
CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121641269-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BROADCO CONSTRUCTION CORP**

Date: **10/3/2012**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF SIDEWALK SHED AS PER PLANS. WORK SHALL COMPLY  
WITH 2008 BUILDING  
CODE CHAPTER 33. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121397130-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER DOWNES**

## ADJOINING PROPERTY FINDINGS

Date: **1/18/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FIRE SUPPRESSION  
INSTALLATION OF KITCHEN FIRE SUPPRESSION SYSTEM. NO CHANGE IN  
USE, EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104321191-01-EW-FP**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **REYNOLD ALEXANDER**

### **226 W 108TH ST**

Date: **6/25/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z122230**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STAR ELEC'L CO., INC**

## ADJOINING PROPERTY FINDINGS

230 W 108TH ST

Date: 9/4/2006

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z109315

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: DELTA ELEC'L CONTR'G CORP

Date: 10/12/2005

Permit Type: EQ

Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF 60 LINEAR FEET OF HEAVY DUTY SIDEWALK  
SHED FOR  
REMEDIAL REPAIRS. SIDEWALK SHED SHALL COMPLY WITH LL 33/91. NO  
CHANGE IN USE,  
OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PSF.  
STORAGE  
PERMITTED ON SIDEWALK SHED IF REQUIRED.**

Permit Description: **CONSTRUCTION EQUIPMENT**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 104253790-01-EQ-SH

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: PHIL SUSI

## ADJOINING PROPERTY FINDINGS

Date: **10/12/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
PROPOSED INSTALLATION OF 46 LINEAR FEET X 60 FEET HIGH HEAVY DUTY  
PIPE SCAFFOLD  
FOR REMEDIAL REPAIRS. NO CHANGE IN USE, OCCUPANCY OR EGRESS UNDER  
THIS  
APPLICATION. SIDEWALK SHED FILED UNDER SEPARATELY APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104253807-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **PHIL SUSI**

Date: **12/16/2003**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z099301**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **E. FITZGERALD ELEC CO INC**

## ADJOINING PROPERTY FINDINGS

**235 W 108TH ST**

Date: **6/9/2014**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 122034654-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **6/9/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL NEW GAS SERVICE, METER & GAS PIPING AND CONNECT TO EXISTING  
GAS/OIL  
BURNER ON NYC BOILER # MD8431-01.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122034654-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOSEPH LAMARCA

## ADJOINING PROPERTY FINDINGS

Date: **4/19/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE REPAIR  
REBUILD PARAPET WALL. NO CHANGE TO EGRESS, USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120518779-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KHALIL CHADURY**

Date: **9/8/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATE APT # 52. NO CHANGE TO EGRESS, OCCUPANCY OR USE.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120095850-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LOUIS R ABRAMO**

## ADJOINING PROPERTY FINDINGS

Date: **8/17/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INTERIOR RENOVATION OF APARTMENT #62. INSTALLATION OF NEW**  
**BATHROOM AND R**  
**ENOVATION OF KITCHEN. NO CHANGE IN USE,EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104297707-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL RISPOLI**

Date: **7/17/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR**  
**RENOVATE APT # 52. NO CHANGE TO EGRESS,OCCUPANCY OR USE.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120095850-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ADAM PIECHOTA**

## ADJOINING PROPERTY FINDINGS

Date: 1/11/2007  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**Apt 55: Remove and install interior partitions, plumbing fixtures and finishes at existing 5th floor apartment as per plans filed herewith. No change in use, egress or occupancy proposed.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104572990-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: LUIS A CANO

Date: 11/2/2006  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Apt 55: Remove and install interior partitions, plumbing fixtures and finishes at existing 5th floor apartment as per plans filed herewith. No change in use, egress or occupancy proposed.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 104572990-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: MICHAEL MATONTI

## ADJOINING PROPERTY FINDINGS

Date: **9/5/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**APARTMENT RENOVATIONS AND PLUMBING WORKAS PER PLAN. NO CHANGE**  
**IN USE,**  
**EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104497251-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

Date: **8/7/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**APARTMENT RENOVATIONS AND PLUMBING WORKAS PER PLAN. NO CHANGE**  
**IN USE,**  
**EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104497251-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **LUIS NAZAR**

## ADJOINING PROPERTY FINDINGS

Date: **3/23/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z107518

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: WINKLER ELECTRICIANS INC.

Date: **8/29/2005**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - BOILER  
REPLACEMENT 1 NEW L.P. BOILER/BURNERNO CHANGE IN USE EGRESS OR  
OCCUP  
ANCY**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 104215074-01-EW-BL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBERT HORSTMANN

## ADJOINING PROPERTY FINDINGS

Date: **8/29/2005**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 104215074-01-EW-FB  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

Date: **7/15/2005**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z105229  
Status: COMPLETED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: STAR ELEC'L CO., INC

Date: **8/17/2004**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: Z101635  
Status: COMPLETED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: M & R ELEC'L CONT'G & REP

## ADJOINING PROPERTY FINDINGS

Date: **7/1/2004**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
PARTITION CHANGES; RENOVATE KITCHEN. NO CHANGE IN USE, OCCUPANCY  
OR EGRE  
SS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103820233-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JEFFREY WITTENSTEIN**

### **W 109TH ST**

#### **101 W 109TH ST**

Date: **11/19/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALL GAS GENERATOR ON THE ROOF RELATED PLUMBING IN BASEMENT,  
OSP AND ROOF. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121727257-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TELCOM ENGINEERING GP INC**

## ADJOINING PROPERTY FINDINGS

Date: **3/13/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF APPROXIMATELY  
130 L.F. AS  
PER PLANS AT 101 WEST 109TH STREET. DURING REMEDIAL REPAIR, WORK TO  
COMPLY WITH  
NEW YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN  
USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESIDENTIAL APT HOUSE**  
Permit Number: **120979307-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CS BRIDGE CORP**

Date: **1/31/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF SIDEWALK SHED AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140052564-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY ALMYROUDIS**

## ADJOINING PROPERTY FINDINGS

Date: **6/24/2010**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - ANTENNA  
INSTALL TELECOMMUNICATIONS CABINET ON EXISTING ROOFTOP DUNNAGE IN  
CONFORMANCE  
WITH TPPN# 5/98. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120377635-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KURT BREVET**

Date: **3/18/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z125118**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ELMAC ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **4/16/2009**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF 265 L.F AS PER  
PLAN AT 101  
WEST 109 STREET. WORK SHALL COMPLY WITH 2008 BUILDING CODE CHAPTER  
33. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **110353625-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHRISTOPHER DOWNES**

Date: **11/17/2008**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - ANT  
INSTALL TELECOMMUNICATIONS CABINETS RELATED DUNNAGE AND RELATED  
ANTENNAS ON ROOF  
IN CONFORMANCE WITH TPPN5/98**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110354205-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRIAN QUINN**

## ADJOINING PROPERTY FINDINGS

Date: **11/13/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z119731

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: AXCEL ELECTRIC CO., INC.

Date: **10/7/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z119274

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: LEKTRIC INSTALLATIONS COR

Date: **9/29/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z119171

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: BOROWIDE ELECT'L CONTR'S

## ADJOINING PROPERTY FINDINGS

102 W 109TH ST

Date: **8/15/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 120894826-01-EW-BL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CENTRAL PLBG&HTG SVC CORP 0001974-MP

Date: **8/15/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 120894826-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CENTRAL PLBG&HTG SVC CORP 0001974-MP

## ADJOINING PROPERTY FINDINGS

Date: **9/21/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF APPROXIMATELY  
55 L.F. AS PER  
PLANS AT 102 WEST 109 STREET. DURING REMEDIAL REPAIRS. WORK TO  
COMPLY WITH NEW  
YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120830770-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE KIM**

Date: **9/19/2011**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z131973**  
Status: **CLOSED/CANCELLED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RPM ELECTRIC INC**

## ADJOINING PROPERTY FINDINGS

Date: **6/24/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Installation of 100 linear feet of temp. sidewalk shed for facade steam cleaning and repointing. The work to comply with LL 33/99. No change in use, egress or occupancy under this application, only temp. sidewalk shed for public protection.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104148192-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MANJIT SINGH**

### 106 W 109TH ST

Date: **8/20/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER**  
**REPLACE (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120895433-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

## ADJOINING PROPERTY FINDINGS

Date: **8/20/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120895433-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

Date: **9/21/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF APPROXIMATELY  
50 L.F. AS PER  
PLANS AT 106 WEST 109 STREET. DURING REMEDIAL REPAIRS. WORK TO  
COMPLY WITH NEW  
YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120833027-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE KIM**

## ADJOINING PROPERTY FINDINGS

Date: **9/19/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z131972

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: RPM ELECTRIC INC

Date: **9/19/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z131978

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: RPM ELECTRIC INC

## ADJOINING PROPERTY FINDINGS

110 W 109TH ST

Date: **8/20/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE GAS BOILER WITH (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120894844-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

Date: **8/15/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER**  
**REPLACE GAS BOILER WITH (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120894844-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

## ADJOINING PROPERTY FINDINGS

Date: **9/21/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF APPROXIMATELY  
50 L.F. AS PER  
PLANS AT 110 WEST 109 STREET. DURING REMEDIAL REPAIRS. WORK TO  
COMPLY WITH NEW  
YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120830761-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE KIM**

Date: **9/19/2011**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z131979**  
Status: **CLOSED/CANCELLED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RPM ELECTRIC INC**

## ADJOINING PROPERTY FINDINGS

Date: **9/20/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Installation of 50 linear feet of temp. sidewalk shed on the north side of the building for exterior facade work. The work to comply with LL 33/91. No change in use, egress or occupancy under this application, only temp. sidewalk shed for public protection.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104239254-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MANJT SINGH**

### 114 W 109TH ST

Date: **8/20/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER**  
**REPLACE GAS BOILER WITH (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120895424-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

## ADJOINING PROPERTY FINDINGS

Date: **8/20/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE GAS BOILER WITH (2) GAS BOILERS. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **120895424-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CENTRAL PLBG&HTG SVC CORP 0001974-MP**

Date: **9/21/2011**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF HEAVY DUTY SIDEWALK SHED A TOTAL OF APPROXIMATELY  
55 L.F. AS PER  
PLANS AT 114 WEST 109 STREET. DURING REMEDIAL REPAIRS. WORK TO  
COMPLY WITH NEW  
YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120830743-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE KIM**

## ADJOINING PROPERTY FINDINGS

Date: **9/19/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z131980

Status: CLOSED/CANCELLED

Valuation: \$0.00

Contractor Company:

Contractor Name: RPM ELECTRIC INC

Date: **9/20/2005**

Permit Type: **EQ**

Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
Installation of 50 linear feet of temp. sidewalk shed on the north side of the building for exterior facade work. The work to comply with LL 33/91. No change in use, egress or occupancy under this application, only temp. sidewalk shed for public protection.

Permit Description: **CONSTRUCTION EQUIPMENT**

Work Class: A3 - ALTERATION TYPE 3

Proposed Use:

Permit Number: 104239245-01-EQ-SH

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: MANJT SINGH

## ADJOINING PROPERTY FINDINGS

118 W 109TH ST

Date: **8/2/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#4W, MINOR NEW PARTITION WALL, PAINTING  
AND FLOORING  
JOBS. NO CHANGE IN USE, EGRESS AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121174200-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **8/10/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION ON APT#4E, WALK-IN CLOSET, AND MINOR NEW  
PARTITION WALL,  
PAINTING AND FLOORING JOBS. NO CHANGE IN USE, EGRESS AND  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120788326-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: **4/21/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO  
INTERIOR RENOVATION TO EXISTING 3W APARTMENT. WORK INCLUDES  
REPAIRS TO FLOOR  
CEILING AND WALLS. NO CHANGE IN USE, EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120672049-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **3/15/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO  
INTERIOR RENOVATION TO EXISTING APARTMENT 4R. WORK INCLUDES  
REPAIRS TO FLOORS  
CEILINGS AND WALLS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120633822-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **9/14/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
INTERIOR RENOVATION OF EXISTING APARTMENT. WORK INCLUDES REPAIRS  
TO FLOOR AND  
CEILING AND REPLACE NEW PARTITION. NO CHANGE IN USE EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120472112-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN GING LIN**

### **120 W 109TH ST**

Date: **4/18/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 4E APARTMENT AS PER PLAN, FLOORING,  
PAINTING AND  
ERECTING CLOSETS IN EXISTING BEDROOMS. NO CHANGE IN USE, EGRESS,  
AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140187045-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **8/1/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 3R APARTMENT AS PER PLAN, FLOORING,  
PAINTING AND  
ERECTING CLOSETS IN EXISTING BEDROOMS. NO CHANGE IN USE, EGRESS,  
AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140098276-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **5/29/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
TO REHABILITATE APT. 5E ON 5TH FLOOR: NEW WOOD FLOOR, NEW TILE  
FLOOR IN  
BATHROOM, NEW PAINTING AS PER PLAN. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120050023-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

### 122 W 109TH ST

Date: 7/11/2012  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR REMEDIAL REPAIRS AS PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER # 33 OF THE 2008 CODE.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 121142183-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: B H & B CONSTRUCTION INC

### 125 W 109TH ST

Date: 10/6/2010  
Permit Type:  
Description:  
  
Permit Description: ELECTRICAL  
Work Class:  
Proposed Use:  
Permit Number: Z127851  
Status: ADMINISTRATIVELY CLOSED (MINOR WORK)  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: BOROWIDE ELECT'L CONTR'S

## ADJOINING PROPERTY FINDINGS

Date: **8/3/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z122499

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ALLIANCE ELEVATOR COMPANY

Date: **3/2/2005**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GC**  
**Removal & replacement of entire exterior brick masonry, removal & resetting of existing shelf angle as shown on drawing, resetting new shelf angles as shown on the drawings. There is no change in use, egress or occupancy under this application.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 103525767-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FRANK BITONTI

## ADJOINING PROPERTY FINDINGS

### 126 W 109TH ST

Date: 7/11/2012  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR REMEDIAL REPAIRS AS PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS APPLICATION. LIVE LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER # 33 OF THE 2008 CODE.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 121140595-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: B H & B CONSTRUCTION INC

### 132 W 109TH ST

Date: 4/17/2004  
Permit Type:  
Description:  
  
Permit Description: ELECTRICAL  
Work Class:  
Proposed Use:  
Permit Number: Z100166  
Status: AWAITING INSPECTION REQUEST  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: A.R.P. ELEC'L CONT'G INC.

## ADJOINING PROPERTY FINDINGS

136 W 109TH ST

Date: 11/26/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT #5W AS PER PLAN.  
ERECTING CLOSETS IN  
EXISTING BEDROOMS, PAINTING AND FLOORING. NO PLUMBING WORK ON THIS  
APPLICATION.  
NO CHANGE IN OCCUPANCY, USE OR EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140135887-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: FUTUREISTIC DEVELOPMENT I

Date: 6/22/2012  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 1E APARTMENT AS PER PLANS,  
FLOORING, PAINTING  
AND MINOR PARTITION WORKS. NO CHANGE IN USE, EGRESS, AND  
OCCUPANCY UNDER THIS  
APPLICATION

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121098383-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JIAJIE NI

## ADJOINING PROPERTY FINDINGS

Date: **11/10/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO APARTMENT 3W. WORK INCLUDES REPAIRS TO  
FLOOR WALLS AND  
CEILING AND REPLACEMENT OF NEW FIXTURES. NO CHANGE IN USE EGRESS  
OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120892392-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **10/26/2011**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z132309**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **A. RICCIO ELECTRIC, INC**

## ADJOINING PROPERTY FINDINGS

Date: **7/26/2011**

Permit Type: **EW**

Description:

Permit Description: **EQUIPMENT WORK**

Work Class:

Proposed Use:

Permit Number: 120768151-01-EW-FB

Status:

Valuation: \$0.00

Contractor Company:

Contractor Name:

Date: **7/26/2011**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE OIL BURNER ON NYC BOILER NO. MD 25634-01 AND CHANGE GRADE  
OF FUEL FROM  
#6 TO #2 OIL. NOTE: BOILER ALSO HEATS 138 AND 140 WEST 109 STREET.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120768151-01-EW-FS

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FRANK A BLACKSTONE

## ADJOINING PROPERTY FINDINGS

Date: **3/28/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO.  
INTERIOR RENOVATION TO EXISTING 4E APARTMENT. WORK INCLUDES  
REPAIRS TO WALLS  
FLOOR& CEILING. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120642661-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN GING LIN**

Date: **8/4/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
INTERIOR RENOVATION TO EXISTING APARTMENT WORK INCLUDES REPAIRS  
TO WALLS CEILING  
AND FLOORS NO CHANGES IN USE EGRESS OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120430890-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **6/30/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO EXISTING APARTTMENT. WORK INCLUDES REPAIRS  
TO WALLS  
CEILING AND FLOORS.NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120399764-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **5/16/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z108211**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ENTERPRISE ELEC'L SYSTEMS**

## ADJOINING PROPERTY FINDINGS

138 W 109TH ST

Date: 8/12/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION AT APT#3W&#2E.FLOORING,PAINTING AND  
WALL ONLY. NO  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 121747093-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: FUTUREISTIC DEVELOPMENT I

Date: 11/9/2012  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING UNIT 3E APARTMENT AS PER PLANS. NO  
CHANGE IN  
USE, EGRESS, AND OCCUPANCY UNDER DIR. 14 APPLICATION

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121369731-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JIAJIE NI

## ADJOINING PROPERTY FINDINGS

Date: **5/16/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108232

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ENTERPRISE ELEC'L SYSTEMS

### 140 W 109TH ST

Date: **3/29/2013**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - PARTITIONS  
APARTMENT INTERIOR RENOVATION, FLOORING, PAINTING AND MINOR  
PARTITION WALL. NO  
CHANGES IN EGRESS, USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use: RESID. BLDG - OLD CODE

Permit Number: 121572351-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: AMACO MANAGEMENT & CONSUL

## ADJOINING PROPERTY FINDINGS

Date: **6/29/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 1E APARTMENT AS PER PLANS,  
FLOORING, PAINTING  
AND MINOR PARTITION WORKS. NO CHANGE IN USE, EGRESS, AND  
OCCUPANCY UNDER THIS  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121098392-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **6/9/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
APARTMENT INTERIOR RENOVATION INCLUDING PARTITION REMOVAL,  
INSTALLATION AND WALL  
PAINTING. NO CHANGES IN EGRESS, USE OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120717938-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: **9/28/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INSTALL A STEEL PLATFORM OVER THE AREAWAY. INSTALL NEW SHEETROCK  
THROUGHOUT THE  
PUBLIC HALLS. REMOVE EXISTING PLYWOOD FROM EXISTING OPENING AND  
CLOSE WITH  
CONCRETE BLOCK. REMOVE OBSTRUCTION FROM SKYLIGHT. NO CHANGE TO  
USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120370543-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **5/16/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z108212**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ENTERPRISE ELEC'L SYSTEMS**

## ADJOINING PROPERTY FINDINGS

### 142 W 109TH ST

Date: **5/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108179

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MEIR ELECTRIC CO.

### 144 W 109TH ST

Date: **5/10/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z108180

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: MEIR ELECTRIC CO.

## ADJOINING PROPERTY FINDINGS

170 W 109TH ST

Date: 2/13/2015  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATE EX. APT #2E @ 2ND FLOOR. REPLACE EX. PLUMBING FIXTURES ON EX. ROUGHING;**  
**REPLACE FLOOR AND WALL TILES AT EX. BATH. RELOCATE KITCHEN. MINOR PARTITIONS.**  
**PAINT THROUGHOUT. NO CHANGE IN USE, EGRESS OR OCCUPANCY. NO INCREASE IN EXISTING FLOOR AREA.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122135251-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ALESSANDRO DEMARINIS

Date: 12/2/2014  
Permit Type: EW  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**RENOVATE EX. APT #2E @ 2ND FLOOR. REPLACE EX. PLUMBING FIXTURES ON EX. ROUGHING;**  
**REPLACE FLOOR AND WALL TILES AT EX. BATH. RELOCATE KITCHEN. MINOR PARTITIONS.**  
**PAINT THROUGHOUT. NO CHANGE IN USE, EGRESS OR OCCUPANCY. NO INCREASE IN EXISTING FLOOR AREA.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 122135251-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: SONIA AUDIFRED

## ADJOINING PROPERTY FINDINGS

Date: **6/20/2012**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**RENOVATE EXISTING APARTMENT #1W. MINOR PARTITIONS. PROVIDE NEW REC. ROOM @**  
**EXISTING CELLAR STORAGE. INSTALL NEW CONVENIENCE STAIR - CONNECT TO CELLAR. NEW**  
**TOILET, DOORS & CLOSETS. PAINT THROUGH OUT. PROVIDE NEW TENANT LAUNDRY @**  
**EXISTING CELLAR NO CHANGE IN USE, EGRESS OR OCCUPANCY. NO INCREASE IN EXISTING FLOOR AREA.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121068218-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALESSANDRO DEMARINIS**

Date: **6/12/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**RENOVATE EXISTING APARTMENT #1W. MINOR PARTITIONS. PROVIDE NEW REC. ROOM @**  
**EXISTING CELLAR STORAGE. INSTALL NEW CONVENIENCE STAIR - CONNECT TO CELLAR. NEW**  
**TOILET, DOORS & CLOSETS. PAINT THROUGH OUT. PROVIDE NEW TENANT LAUNDRY @**  
**EXISTING CELLAR NO CHANGE IN USE, EGRESS OR OCCUPANCY. NO INCREASE IN EXISTING FLOOR AREA.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121068218-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JULIO G GARCIA**

## ADJOINING PROPERTY FINDINGS

Date: **6/26/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
REMOVE DUMBWAITER EQUIPMENT. SEAL DUMBWAITER SHAFT AND OPENINGS  
TO MATCH  
EXISTING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104652207-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SONIA AUDIFRED**

### **172 W 109TH ST**

Date: **9/16/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z123216**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **H.I. KAYE ELECTRICAL INC.**

## ADJOINING PROPERTY FINDINGS

Date: **9/4/2009**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
LEGALIZATION OF ECB VIOLATION# 34775222K, OPENING CREATED BETWEEN  
TWO EXISTING  
STEEL BEAMS. INTERIOR NON-STRUCTURAL RENOVATION OF EXISTING  
APARTMENT 1W**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120063448-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALESSANDRO DEMARINIS**

Date: **8/24/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
LEGALIZATION OF ECB VIOLATION# 34775222K, OPENING CREATED BETWEEN  
TWO EXISTING  
STEEL BEAMS. INTERIOR NON-STRUCTURAL RENOVATION OF EXISTING  
APARTMENT 1W**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120063448-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JULIO G GARCIA**

## ADJOINING PROPERTY FINDINGS

Date: **6/27/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
REMOVE DUMBWAITER EQUIPMENT. SEAL DUMBWAITER SHAFT AND OPENINGS  
TO MATCH  
EXISTING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104652216-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SONIA AUDIFRED**

### 174 W 109TH ST

Date: **12/2/2014**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - ANTENNA  
MODIFICATION OF EXISTING ANTENNA SITE. INSTALLING (3) ADDITIONAL  
ANTENNAS ON THE  
ROOF. INSTALLING (1) ADDITIONAL CABINET ON EXISTING STEEL PLATFORM  
ON THE ROOF.  
ALL WORK IS IN CONFORMANCE WITH TPPN #5/98. NO CHANGE IN USE,  
EGRESS, OR  
OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **122041085-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOE MOROZ**

## ADJOINING PROPERTY FINDINGS

Date: **7/3/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - ANTENNA  
INSTALLING ADDITIONAL CABINETS ON EXISTING TELECOMMUNICATIONS  
PLATFORM ON ROOF  
RELATED ANTENNAS ON ROOF. ALL WORK IS IN CONFORMANCE WITH TPPN  
#5/98. NO CHANGE  
IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121023356-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT TROTTR**

Date: **1/5/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
JOB RESPECTFULLY FILED FOR GENERAL INTERIOR CONSTRUCTION OF  
APARTMENT 2E.  
REPLACEMENT OF EXISTING GYPSUM ON NON LOAD BEARING WALLS. ALL  
FIXTURES REPLACED  
AT CURRENT LOCATION WITH NEW ON EXISTING ROUGHING. NO CHANGE TO  
EGRESS, USE OF  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **110409040-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JULIO G GARCIA**

## ADJOINING PROPERTY FINDINGS

200 W 109TH ST

Date: 11/5/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
PROPOSE TO RENOVATE EXISTING APARTMENT AS PER PLANS FILED  
HEREWITH. NO CHANGE  
TO ZONING, USE, EGRESS OR OCCUPANCY.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121760549-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: FULTON PLBG & HTG CORP 0001827-MP

Date: 7/9/2014  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
REPLACE AND REBUILD EXISTING PARTITIONS, HUNG CEILING, CEILING JOISTS,  
DOORS,  
WINDOWS, AND EXISTING PLUMBING FIXTURES, INSTALLATION OF NEW PL  
FIXTURES  
AS PER DRAWINGS FILE HEREWITH. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY IS  
INVOLVED UNDER THIS APPLICATION

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121675785-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CRESCENZO VENEZIANO

## ADJOINING PROPERTY FINDINGS

Date: **6/4/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - STRUCTURAL  
HEREWITH FILED IS THE STRUCTURAL WORK ASSOCIATED WITH THE  
ARCHITECTURAL WORK. NO  
CHANGE IN USE, EGRESS, OR OCCUPANCY IS INVOLVED UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121675785-02-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT POLITZER**

Date: **6/3/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REPLACE AND REBUILD EXISTING PARTITIONS, HUNG CEILING, CEILING JOISTS,  
DOORS,  
WINDOWS, AND EXISTING PLUMBING FIXTURES, INSTALLATION OF NEW PL  
FIXTURES  
AS PER DRAWINGS FILE HEREWITH. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY IS  
INVOLVED UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121675785-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT POLITZER**

## ADJOINING PROPERTY FINDINGS

Date: **4/3/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION. REMOVE AND CONSTRUCT OF NON-BEARING OR NON-  
STRUCTURAL  
PARTITIONS. REMOVE, REPLACE, RELOCATE AND INSTALL NEW PLUMBING  
FIXTURES. ALL  
WORK AS PER PLAN. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121777988-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **H&M CONTRACTORS INC**

Date: **12/11/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION. REMOVE AND CONSTRUCT OF NON-BEARING OR NON-  
STRUCTURAL  
PARTITIONS. REMOVE, REPLACE, RELOCATE AND INSTALL NEW PLUMBING  
FIXTURES. ALL  
WORK AS PER PLAN. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121777988-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FLEET PLBG AND HTG INC 0002125-MP**

## ADJOINING PROPERTY FINDINGS

Date: **8/27/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
PROPOSE TO RENOVATE EXISTING APARTMENT AS PER PLANS FILED  
HEREWITH. NO CHANGE  
TO ZONING, USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121760549-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MATCHLESS CONSTRUCTION GR**

Date: **8/12/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF SIDEWALK SHED AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140104786-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **EVEREST SCAFFOLDING INC**

## ADJOINING PROPERTY FINDINGS

Date: 3/14/2013  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
COMBINE APT 7 & APT 8 AT SECOND FLOOR. WORK INCLUDE REMOVE AND  
INSTALL NONLOAD  
PARTITIONS, CREATE NEW INTERIOR OPENING SEAL ONE EXIST APT  
ENTRANCE. REMOVE ONE  
GAS RANGE AND ONE SINK INSTALL NEW STACK WASHER AND DRYER AND  
ASSOC. EXHAUST NO  
CHANGE IN USE EGRESS OAND OCCUPANCY IS INVOLVED UNDER THIS  
APPLICATION.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 121168609-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: S.K. PIPING & HEATING COR 0001671-MP

Date: 10/9/2012  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
COMBINE APT 7 & APT 8 AT SECOND FLOOR. WORK INCLUDE REMOVE AND  
INSTALL NONLOAD  
PARTITIONS, CREATE NEW INTERIOR OPENING SEAL ONE EXIST APT  
ENTRANCE. REMOVE ONE  
GAS RANGE AND ONE SINK INSTALL NEW STACK WASHER AND DRYER AND  
ASSOC. EXHAUST NO  
CHANGE IN USE EGRESS OAND OCCUPANCY IS INVOLVED UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121168609-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AGUSH MIRAKAJ

## ADJOINING PROPERTY FINDINGS

Date: **3/23/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
COMBINATION AND INTERIOR ALTERATION OF TWO EXISTING CLASS "A"  
APARTMENTS.  
PARTITION AND PLUMBING CHANGES. NO CHANGE OF USE, OCCUPANCY OR  
EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102086485-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

Date: **9/20/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z127613**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **DERBY ELECTRIC INC.**

## ADJOINING PROPERTY FINDINGS

Date: **4/9/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - REPAIR FLOOR JO  
REPAIR OF FLOOR JOISTS IN BATHROOM AND KITCHEN.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120307453-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOSEPH RECCHIA**

Date: **11/30/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
RENOVATION OF A KITCHEN AND REMOVAL OF A NON-LOAD BEARING  
PARTITION WALL PER  
PLANS FILED HEREWITH. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120184228-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND P DELANEY**

## ADJOINING PROPERTY FINDINGS

Date: **6/5/2007**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC  
PARTITION WORK TO RECONFIGURE ROOMS IN APARTMENT. NO CHANGE TO USE  
OCCUPANCY OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104713222-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL EHRILICH**

Date: **8/10/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATIONS INCLUDING PARTITIONS, MECHANICAL, AND  
PLUMBING CHANGES ON  
THE 5TH FLOOR AS INDICATED ON PLANS. NO CHANGE IN USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104264323-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAMES E BEALON**

## ADJOINING PROPERTY FINDINGS

Date: **6/14/2006**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**This application is filed to legalize existing plumbing conditions and address "Work without permit violations" #030190P071 & 030190P072 for apts. #1, D3, D4, D8 & E8. No work will be performed under this application. No change to use, occupancy or egress is proposed under this application.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104373768-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRETT NEUHAUSER**

Date: **5/4/2006**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.**  
**This application is filed to legalize existing plumbing conditions and address "Work without permit violations" #030190P071 & 030190P072 for apts. #1, D3, D4, D8 & E8. No work will be performed under this application. No change to use, occupancy or egress is proposed under this application.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104373768-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALFRED KARMAN REGISTERED ARCHITECT**

## ADJOINING PROPERTY FINDINGS

Date: **10/31/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INTERIOR RENOVATIONS INCLUDING PARTITIONS, MECHANICAL, AND  
PLUMBING CHANGES ON  
THE 5TH FLOOR AS INDICATED ON PLANS. NO CHANGE IN USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104264323-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAMES BEALON**

Date: **10/31/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN.CONSTRUCTN.  
INTERIOR RENOVATIONS INCLUDING PARTITIONS, MECHANICAL, AND  
PLUMBING CHANGES ON  
THE 5TH FLOOR AS INDICATED ON PLANS. NO CHANGE IN USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **104264323-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAMES BEALON**

## ADJOINING PROPERTY FINDINGS

Date: **2/16/2004**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z099288

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: MAZZA ELECTRIC CORP.

### 201 W 109TH ST

Date: **12/11/2014**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
APPLICATION FILED TO CAP AND REMOVE FIVE (5) EXISTING 1 1/2" GAS RISER,  
REMOVE  
TWENTY-SEVEN (27) GAS METERS FROM EACH APARTMENT. NEW METERS WILL  
BE LOCATED IN  
THE CELLAR**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 122213700-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: TRELDON MCMILLAN

## ADJOINING PROPERTY FINDINGS

Date: **7/3/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE OIL BURNER WITH GAS/OIL BURNER ON NYC BOILER # MD 27359-01**  
**AND INSTALL**  
**NEW GAS SERVICE, METER & PIPING. CHANGE GRADE OF FUEL OIL FROM #4 TO**  
**#2.**  
**INSTALL (2) 275 GALLON OIL TANKS AND DECOMMISSION EXISTING OIL TANK**  
**PER PLANS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122052866-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALAN E ROSENBERG**

Date: **6/27/2014**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **122052866-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **6/27/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE OIL BURNER WITH GAS/OIL BURNER ON NYC BOILER # MD 27359-01  
AND INSTALL  
NEW GAS SERVICE, METER & PIPING. CHANGE GRADE OF FUEL OIL FROM #4 TO  
#2.  
INSTALL (2) 275 GALLON OIL TANKS AND DECOMMISSION EXISTING OIL TANK  
PER PLANS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122052866-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ROBERT BAUER**

Date: **5/27/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z117453**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STAR ELEC'L CO., INC**

## ADJOINING PROPERTY FINDINGS

203 W 109TH ST

Date: **1/23/2015**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
RENOVATE APT AS PER PLANS FILED: MINOR INTERIOR DEMOLITION AND  
PARTITION WORK**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122246774-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

Date: **6/12/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENTS #1E AND #2R AS PER  
PLANS, FLOORING,  
PAINTING AND PARTITIONS WORKS. NO CHANGE IN USE, EGRESS, AND  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140086225-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **2/1/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENTS #3W AS PER PLANS,  
FLOORING, PAINTING  
AND MINOR PARTITIONS. NO CHANGE IN USE, EGRESS, AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121519981-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **4/27/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
INTERIOR RENOVATION OF EXISTING APTS IN 1ST FL.(APT#1R). REPLACE  
COUNTER TOP,  
DOOR & PARTITIONS AS NEEDED. NO CHANGE IN USE, OCCUPANCY OR  
EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121048008-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **3/9/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APARTMENT 4R. WORK INCLUDES PARTITIONS,  
FLOORS, CEILING  
REPAIRS AND REPLACEMENT OF FIXTURES. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120627857-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **5/18/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - PARTITIONS  
INTERIOR RENOVATION TO APARTMENT 5E. WORK INCLUDES PARTITIONS,  
FLOOR AND CEILING  
REPAIRS. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120355579-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **4/26/2010**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
INTERIOR RENOVATION FOR APT. 5R. WORK INCLUDE NEW PARTITION, NEW  
FLOOR AS PER  
PLAN.NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120320027-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

### **204 W 109TH ST**

Date: **8/14/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#5D, MINOR PARTITION WORK, FLOORING AND  
PAINTING, NO  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS DIRECTIVE 14  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121337295-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **2/10/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT #C AND 1B, MINOR PARTITION WORK,  
FLOORING ANS  
PAINTING, NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120976319-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **12/20/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#5C, MINOR PARTITION WORK, FLOORING AND  
PAINTING, NO  
CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS DIRECTIVE 14  
APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120929111-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **10/27/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION, PARTITION FOR NEW CLOSETS, PAINTING AND  
FLOORING, NO CHANGE  
IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120874321-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **8/9/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL APARTMENT 4C. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120310430-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

## ADJOINING PROPERTY FINDINGS

Date: **7/19/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REMODEL APARTMENT 4C. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120310430-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **7/16/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO  
INTERIOR RENOVATION TO EXISTING APRTMENT. WORK INCLUDES REPAIRS TO  
FLOORS AND  
CEILING AND FURRING OF WALLS. NO CHANGE IN USE EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120409094-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J 'IN**

## ADJOINING PROPERTY FINDINGS

Date: **4/29/2010**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
INTERIOR RENOVATION FOR APT. 3C. WORK INCLUDE NEW PARTITION, NEW  
FLOOR AS PER  
PLAN.NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120320036-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **1/29/2008**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **103561370-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

205 W 109TH ST

Date: 9/8/2014  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 5R, PARTITION WORK,  
PAINTING AND  
FLOORING, NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 140249700-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: ALLEN YU

Date: 8/27/2013  
Permit Type: PL  
Description: PLUMBING - ALTERATION TYPE 2  
REMODEL 2 APARTMENTS ON THE FIRST FLOOR. ADD RECREATION ROOM AT  
CELLAR CONNECTED  
TO THE SAME. NO CHANGE TO USE, CHANGE, OR EGRESS.

Permit Description: PLUMBING  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 121447817-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CASE PLUMBING LLC 0000474-MP

## ADJOINING PROPERTY FINDINGS

Date: **6/12/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO APARTMENT 3W AND 4R, PAINTING, FLOORING,  
CEILING, SMALL  
PARTITIONS WORKS, AND REPLACE FIXTURES, NO CHANGE IN USE, EGRESS  
OR OCCUPANCY  
UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140086234-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **3/14/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
REMODEL 2 APARTMENTS ON THE FIRST FLOOR. ADD RECREATION ROOM AT  
CELLAR CONNECTED  
TO THE SAME. NO CHANGE TO USE, CHANGE, OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121447817-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

## ADJOINING PROPERTY FINDINGS

Date: **3/14/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REMODEL 2 APARTMENTS ON THE FIRST FLOOR. ADD RECREATION ROOM AT  
CELLAR CONNECTED  
TO THE SAME. NO CHANGE TO USE, CHANGE, OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121447817-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

Date: **7/22/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APARTMENT 1E. RELOCATE PARTITIONS WALL AND  
CLOSETS. NO  
CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120768008-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: 12/17/2010  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**ADD A NEW BUILDING MANAGER'S OFFICE/SUPER'S WORKSHOP IN THE**  
**CELLAR. NEW**  
**PARTITIONS, REMOVE PLUMBING FIXTURES. NO CHANGE TO USE, EGRESS, OR**  
**OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120473013-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AHMET T SANGIRAY

Date: 12/6/2010  
Permit Type: EW  
Description: **ALTERATION TYPE 2 - GEN. CONSTR**  
**ADD A NEW BUILDING MANAGER'S OFFICE/SUPER'S WORKSHOP IN THE**  
**CELLAR. NEW**  
**PARTITIONS, REMOVE PLUMBING FIXTURES. NO CHANGE TO USE, EGRESS, OR**  
**OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120473013-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUAN J LIN

## ADJOINING PROPERTY FINDINGS

Date: **5/21/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO  
INTERIOR RENOVATION TO APARTMENT 5W. WORK INCLUDES PARTITIONS ,  
FLOOR AND CEILING  
REPAIRS. NOCHANGEINUSE EGRESS OR OCCUAPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120355560-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

### **206 W 109TH ST**

Date: **9/10/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APARTMENT AS PER PLANS. NO CHANGE  
IN USE,  
EGRESS, AND OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140112802-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **4/25/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION AT APT#3D ON 3RD FL,FLOORING AND PAINTING.NO  
CHANGE IN USE,  
EGRESS AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121601524-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

Date: **10/22/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APT# 5B APARTMENT AS PER PLANS. NO  
CHANGE IN  
USE, EGRESS, AND OCCUPANCY UNDER DIR. 14 APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121384787-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **4/25/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
INTERIOR RENOVATION OF EXISTING APTS IN 1ST FL.(APT#1B). REPLACE  
COUNTER TOP ,  
DOOR & PARTITIONS AS NEEDED. NO CHANGE IN USE, OCCUPANCY OR  
EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121047991-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **3/16/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APARTMENT 4D. WORK INCLUDES REPAIRS TO  
FLOOR WALLS AND  
CEILING AND REPLACEMENT OF NEW FIXTURES. NO CHANGE IN USE EGRESS  
OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120627866-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **3/11/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INTERIOR RENOVATION TO APARTMENT 4D. WORK INCLUDES REPAIRS TO  
FLOOR WALLS AND  
CEILING AND REPLACEMENT OF NEW FIXTURES. NO CHANGE IN USE EGRESS  
OR OCCUPANCY**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120627866-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

Date: **2/2/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO EXISTING 3C APARTMENT. WORK INCLUDES  
REPAIRS TO FLOORS ,  
WALLS, CEILING AND REPLACING EXISTING FIXTURES. NO CHANGE IN USE  
EGRESS OR  
OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120595828-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **3/24/2010**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A 44 FT SIDEWALK SHED. SIDEWALK SHED SHALL COMPLY  
WITH CHAPTER  
#33 OF THE 2008 CODE. NO CHANGE IN USE, OCCUPANCY OR EGRESS.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120297099-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHARLES TALISSE**

Date: **3/18/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z125165**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SHUIR ELEC'L CONTR'S CORP**

## ADJOINING PROPERTY FINDINGS

Date: **2/8/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - WALLS REPAIRS  
FURRING OF INTERIOR WALLS AND REPAIRS TO FLOOR AND CEILING. NO  
CHANGE IN USE  
EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120259987-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **6/7/2006**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z108484**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **GEMINI ELECTRIC CO., INC.**

## ADJOINING PROPERTY FINDINGS

207 W 109TH ST

Date: **8/1/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION AT APT# 1R. NO CHANGES IN USE, EGRESS, OR  
OCCUPANCY UNDER  
THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140233156-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **8/30/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#2R, PARTITION WALLS, PAINTING AND  
FLOORING, NO CHANGE  
IN USE, EGRESS OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121361533-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **10/14/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION, PARTITION WALLS, PAINTING AND FLOORING, NO  
CHANGE IN USE,  
EGRESS OR OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120853843-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **2/1/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO  
INTERIOR RENOVATION TO EXISTING APARTMENT. WORKS INCLUDES REPAIRS  
TO FLOORS,  
CEILINGS AND WALLS. NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120592778-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: 11/15/2010  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION OF EXISTING APARTMENT. WORK INCLUDES REPAIRS  
TO FLOOR,  
CEILING AND INTERIOR WALLS. NO CHANGE IN USE EGRESS OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120532281-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUAN J LIN

Date: 11/15/2010  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION OF EXISTING APARTMENT. WORK INCLUDES REPAIRS  
TO FLOOR,  
CEILING AND WALLS AS PER PLANS. NO CHANGE IN USE, EGRESS OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120532316-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUAN J LIN

## ADJOINING PROPERTY FINDINGS

Date: **12/10/2009**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
PROPOSED INTERIOR RENOVATION**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120222026-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

### **209 W 109TH ST**

Date: **6/13/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 1E AS PER PLAN. MINOR  
PARTITION,  
PAINTING AND FLOORING. NO CHANGE IN USE, EGRESS OR OCCUPANCY  
UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140210411-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **8/9/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 3R AND 4R, PAINTING,  
FLOORING AND  
PARTITION WORKS, NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140104456-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **3/13/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON UNIT #2R, FLOORING, PAINTING AND MINOR  
PARTITION WALLS,  
NO CHANGE IN USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121565074-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

## ADJOINING PROPERTY FINDINGS

Date: **1/12/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON UNIT #2W, FLOORING, PAINTING AND MINOR  
PARTITION WALLS,  
NO CHANGE IN USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120944880-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **11/15/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
REMODEL APARTMENT 1W ON FIRST FLOOR. ADD RECREATION ROOM IN  
CELLAR CONNECTED TO  
SAME. REMODEL CELLAR. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120832046-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: **11/2/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z132551

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: HI-RITE ELECTRIC CORP.

Date: **11/1/2011**

Permit Type: **PL**

Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL APARTMENT 1W ON FIRST FLOOR. ADD RECREATION ROOM IN  
CELLAR CONNECTED TO  
SAME. REMODEL CELLAR. NO CHANGE TO USE, EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 120832046-01-PL

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: AHMET T SANGIRAY

## ADJOINING PROPERTY FINDINGS

Date: **12/29/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
CREATE ACCESSORY, SUPER'S WORKSHOP AND BUILDING MANAGER'S OFFICE  
IN CELLAR. NO  
CHANGE TO USE, EGRESS OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120481718-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

Date: **11/16/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
CREATE ACCESSORY, SUPER'S WORKSHOP AND BUILDING MANAGER'S OFFICE  
IN CELLAR. NO  
CHANGE TO USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120481718-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **5/29/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
GENERAL CONSTRUCTION TO INCLUDE NEW PARTITION AP# 1R. NO CHANGE IN  
USE, EGRESS  
OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120052030-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **HENRY NHAN**

### **211 W 109TH ST**

Date: **6/30/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 2C AS PER PLAN. MINOR  
PARTITION,  
PAINTING AND FLOORING. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140216255-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **12/30/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 5B AS PER PLAN. MINOR  
PARTITION AND  
FLOORING. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140145625-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **10/4/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APT 2B, PAINTING, FLOORING AND MINOR  
PARTITION  
WORK, NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140121017-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **8/26/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION ON APT#1D, MINOR NEW PARTITION WALL, PAINTING  
AND FLOORING  
JOBS. NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS DIRECTIVE  
14 FILING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120805824-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **4/21/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO.  
INTERIOR RENOVATION TO EXISTING 5A APARTMENT . WORK INCLUDES  
REPAIRS TO FLOOR  
CEILING AND WALLS. NO CHNANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120668688-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: **2/1/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO EXISTING APARTMENT, WORKS INCLUDES REPAIRS  
TO FLOOR  
CEILING AND WALLS AND REPLACING FIXTURES. NO CHANGE IN USE EGRESS  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120592769-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **12/30/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REMODEL EXISTING APARTMENT IN THE CELLAR. ADD ACCESSORY BUILDING  
MANAGER'S  
OFFICE IN THE CELLAR. REMODEL APARTMENTS 1A AND 1B ON THE 1ST  
FLOOR, 5D ON THE  
5TH FLOOR, AND 6C ON THE 6TH FLOOR. NO CHANGE TO USE, EGRESS, OR  
OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120325326-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

## ADJOINING PROPERTY FINDINGS

Date: 12/21/2010  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR  
REMODEL EXISTING APARTMENT IN THE CELLAR. ADD ACCESSORY BUILDING  
MANAGER'S  
OFFICE IN THE CELLAR. REMODEL APARTMENTS 1A AND 1B ON THE 1ST  
FLOOR, 5D ON THE  
5TH FLOOR, AND 6C ON THE 6TH FLOOR. NO CHANGE TO USE, EGRESS, OR  
OCCUPANCY.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120325326-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: CHUAN J LIN

### 212 W 109TH ST

Date: 11/7/2013  
Permit Type: EW  
Description: ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 3A APARTMENT AS PER PLAN. PAINTING  
AND FLOORING,  
NO PLUMBING WORK AT THIS APPLICATION. NO CHANGE IN OCCUPANCY, USE  
AND EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use: RESID. BLDG - OLD CODE  
Permit Number: 140131934-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: FUTUREISTIC DEVELOPMENT I

## ADJOINING PROPERTY FINDINGS

Date: **9/19/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENOVATION  
APARTMENT INTERIOR RENOVATION INCLUDING PARTITION  
REMOVAL, INSTALLATION AND WALL  
PAINTING, NO CHANGE IN EGRESS, USE OR OCCUPANCY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120703079-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **4/1/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE EXISTING PLUMBING FIXTURES IN EXISTING ROUGHING. NO CHANGE  
IN USE  
EGRESS OR OCCUPANCY. REPAIR TILES & SHEET ROCK CAUSED BY THE  
CHANGE OF FIXTURES. NEW  
WOOD STUD PARTITION, SHEETROCK & NEW BATHROOM FLR TILES AT  
APT. 2A.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **100385619-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

## ADJOINING PROPERTY FINDINGS

Date: **2/22/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
INTERIOR RENOVATION TO APARTMENT 5C .WORK INCLUDES REPAIRS TO  
FLOOR CEILINGS  
AND WALLS . NO CHANGE IN USE EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120615619-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

Date: **8/3/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR  
REMODEL APARTMENT ON THE SECOND FLOOR. NO CHANGE TO USE, EGRESS,  
OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120314463-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CHUAN J LIN**

## ADJOINING PROPERTY FINDINGS

Date: **3/5/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - INTERIOR RENO.  
INTERIOR RENOVATION, FURRING OF WALLS AND REPAIRS TO FLOOR AND  
CEILING. NO  
CHANGE TO USE EGRES OR OCCUPANCY .**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120273293-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

Date: **10/26/2009**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
RENOVATION OF EXISTING APARTMENT 3B AT THIRD FLOOR. INSTALL  
PARTITION, WOOD  
FLOOR AND FINISH CEILING, REPLACE WINDOW. NO CHANGE IN OCCUPANCY,  
USE OR EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120184193-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

214 W 109TH ST

Date: **12/10/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 2C AS PLAN. MINOR  
PARTITION WORK,  
FLOORING AND PAINTING. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140289346-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

Date: **12/18/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
MINOR INTERIOR RENOVATION ON UNIT #3C FLOORING, PAINTING, WALL ONLY  
NO CHANGE IN  
USE, EGRESS OR OCCUPANCY, UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140145082-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **9/10/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION TO EXISTING APARTMENT AS PER PLANS. NO CHANGE  
IN USE,  
EGRESS, AND OCCUPANCY UNDER THIS APPLICATION**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140112811-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

Date: **7/29/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING 1C APARTMENT AS PER PLAN, FLOORING,  
PAINTING AND  
ERECTING CLOSETS IN EXISTING BEDROOMS. NO CHANGE IN USE, EGRESS,  
AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140098267-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FUTUREISTIC DEVELOPMENT I**

## ADJOINING PROPERTY FINDINGS

Date: **12/28/2012**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: 121471889-01-EW-OT  
Status:  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JIAJIE NI

Date: **9/12/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#5C, NEW PARTITION WALL, PAINTING AND  
FLOORING JOBS.  
NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS DIRECTIVE 14  
FILING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 121371176-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JIAJIE NI

## ADJOINING PROPERTY FINDINGS

Date: **7/9/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#3D, NEW PARTITION WALL, PAINTING AND  
FLOORING JOBS.  
NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS DIRECTIVE 14  
FILING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121142487-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **5/29/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON APT#3B, NEW PARTITION WALL, PAINTING AND  
FLOORING JOBS.  
NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS DIRECTIVE 14  
FILING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **121092487-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

## ADJOINING PROPERTY FINDINGS

Date: **4/13/2012**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
INTERIOR RENOVATION OF EXISTING APTS IN 5TH FL.(APT#5D). REPLACE  
COUNTER TOP,  
DOOR & PARTITIONS AS NEEDED. NO CHANGE IN USE, OCCUPANCY OR  
EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **121045449-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIAJIE NI**

Date: **11/21/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE GAS BOILER. REFILING OF 100306027 TO OBTAIN INSPECTIONS AND  
SIGNOFFS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120880948-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

## ADJOINING PROPERTY FINDINGS

Date: **11/21/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE GAS BOILER. REFILING OF 100306027 TO OBTAIN INSPECTIONS AND**  
**SIGNOFFS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120880948-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RAYMOND A MUCCI**

Date: **9/23/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.**  
**INTERIOR RENOVATION ON APT#4D, NEW PARTITION WALL, PAINTING AND**  
**FLOORING JOBS.**  
**NO CHANGE IN USE, EGRESS, OR OCCUPANCY UNDER THIS DIRECTIVE 14**  
**FILING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120835597-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

## ADJOINING PROPERTY FINDINGS

Date: 4/1/2011  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE EXISTING PLUMBING FIXTURES ON AN EXISTING ROUGHING.REPAIR ANY TILES & SHEETROCK CAUSED BY THE CHANGE OF FIXTURES.NO CHANGE IN USE,EGRESS OR OCCUPANCY.NEW PARTITIONS AT THE EAST & WEST APTS.ON 5TH FLR,REPLACE 10 ROOF BEAMS & NEW WINDOWS THRU-OUT THE 5TH FLR.**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 100385600-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: AHMET T SANGIRAY

### 215 W 109TH ST

Date: 2/24/2011  
Permit Type: PL  
Description: **PLUMBING - ALTERATION TYPE 2**  
**REPLACE BOILER AND OIL BURNER (NYC BOILER # MD 12498-01) AND INSTALL NEW GAS SERVICE, GAS METER AND GAS PIPING,**

Permit Description: **PLUMBING**  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120144478-01-PL  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: EDWIN VAZQUEZ

## ADJOINING PROPERTY FINDINGS

Date: **9/1/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER (NYC BOILER # MD 12498-01) AND INSTALL  
NEW GAS  
SERVICE, GAS METER AND GAS PIPING,**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120144478-01-EW-BL**  
Status: **REISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY J FISCHETTI**

Date: **9/1/2009**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **120144478-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **6/15/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - METAL CHIMNEY  
REPLACE METAL BOILER CHIMNEY**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120073071-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARC WERKMAN**

### **225 W 109TH ST**

Date: **6/20/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
LEGALIZE 3 PIECE BATHROOM AND KITCHEN SINK OF APARTMENT 24 ON 2ND  
FLOOR IN  
CONJUNCTION WITH JOB# 140211143. NO CHANGE IN OCCUPANCY, USE OR  
EGRESS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140214033-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **STEVEN WASSERMAN**

## ADJOINING PROPERTY FINDINGS

Date: **6/17/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 24 ON 2ND FL. MINOR PARTITION  
WORK,FLOORING AND  
PAINTING. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140211143-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

Date: **4/17/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION OF APT 21 ON 2FL. MINOR PARTITION WORK. NO  
CHANGE IN  
OCCUPANY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140187072-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **KAIYIN WANG**

## ADJOINING PROPERTY FINDINGS

Date: **1/15/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION ON EXISTING APARTMENT 44 AS PER PLAN. REMOVING  
OLD CLOSET IN  
EXISTING BEDROOM. NO CHANGE IN OCCUPANCY, USE OR EGRESS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **140149104-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLEN YU**

Date: **5/3/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
APPLICATION TO CURE ECB VIOLATION 35015512N. RELOCATE EXISTING  
BATHROOM  
FIXTURES, GAS STOVE AND ELECTRIC WASHER/DRYER. THIS JOB IS IN  
CONJUNCTION WITH  
JOB NO 121572271. NO CHANGE OF USE, EGRESS AND OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121608233-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TRIBORO PLBNG AND HTG COR 0001943-MP**

## ADJOINING PROPERTY FINDINGS

Date: **3/26/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
INTERIOR RENOVATION INCLUDING FLOORING, NEW PARTITIONS AND  
PAINTING. NO CHANGE  
OF USE, EGRESS AND OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121572271-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AMACO MANAGEMENT & CONSUL**

Date: **3/21/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
INSTALL NEW GAS SERVICE,(2)METERS AND PI PING AND CONNECT TO  
EXISTING GA  
OIL BURNER. CHANGE GRADE OF FUEL OIL FRO M #4 TO #2. NO CHANGE IN  
EGRESS,OCCUPAN  
Y OR USE UNDER THIS APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **A**  
Permit Number: **101392627-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CROSSFIELD P & H CORP 0000989-MP**

## ADJOINING PROPERTY FINDINGS

Date: **4/9/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
INSTALL NEW GAS SERVICE,(2)METERS AND PI PING AND CONNECT TO  
EXISTING GA  
OIL BURNER. CHANGE GRADE OF FUEL OIL FRO M #4 TO #2. NO CHANGE IN  
EGRESS, OCCUPAN  
Y OR USE UNDER THIS APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **101392627-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FRANK A BLACKSTONE**

Date: **11/14/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
RENOVATION TO EXISTING CELLAR APARTMENT. NEW CONVEIENCE STAIR  
FROM CELLA  
TO 1ST FLOOR. NEW PLUMBING FIXTURES. RE- MOVE EJECTOR PUMP.  
NO CHANGE IN USE EGRESS OR OCCUPANCY.  
count to remain the same.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **102683785-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **AHMET T SANGIRAY**

## ADJOINING PROPERTY FINDINGS

Date: **12/23/2009**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR  
RENOVATION OF EXISTING APT.NO.1 AND NO.64: NEW PARTITION, FLOOR,  
CEILING AS PER  
PLAN. NO CHANGE TO USE, OCCUPANCY OR EGRESS.**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120229797-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JIN DI LIN**

### **229 W 109TH ST**

Date: **11/25/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GEN. CONSTR.  
SELECTIVE MINOR INTERIOR RENOVATION TO COMBINE APTS # 51 & 52 UNDER  
TPPN 3/97.  
CREATE OPENING IN MASONRY BLOCK WALL, INSTALL STEEL LINTELS ABOVE,  
REMOVE  
KITCHEN AND KITCHEN FIXTURES IN APT #51. NO CHANGE TO EGRESS,  
OCCUPANCY OR USE.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122151401-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MITCHELL MARKOWITZ**

## ADJOINING PROPERTY FINDINGS

Date: **6/20/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE BOILER AND OIL BURNER WITH BOILER AND GAS/OIL BURNER. NO  
CHANGE IN USE,  
EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122037893-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARVIN WASOFF**

Date: **6/20/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL BURNING  
REPLACE BOILER AND OIL BURNER WITH BOILER AND GAS/OIL BURNER. NO  
CHANGE IN USE,  
EGRESS, OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122037893-01-EW-FB**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARVIN WASOFF**

## ADJOINING PROPERTY FINDINGS

Date: **6/20/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE BOILER AND OIL BURNER WITH BOILER AND GAS/OIL BURNER. NO  
CHANGE IN USE,  
EGRESS, OR OCCUPANCY.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **122037893-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARVIN WASOFF**

Date: **5/16/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SCAFFOLD  
PROPOSED INSTALLATION OF PIPE SCAFFOLD AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140198818-01-EQ-SF**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRADLEY LEWART**

## ADJOINING PROPERTY FINDINGS

Date: **5/15/2014**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
EXTERIOR FACADE RESTORATION WORK, POINTING, GENERAL  
WATERPROOFING. NO CHANGE ION  
USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **140177403-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRADLEY LEWART**

Date: **3/5/2014**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF 58 LINEAR FEET OF HEAVY DUTY SIDEWALK SHED DURING  
BUILDING  
ALTERATION, FILED SEPARATELY. LIVE LOAD 300 PSF. SIDEWALK SHED SHALL  
COMPLY WITH  
CHAPTER #33 OF THE 2008 CODE. NO CHANGE IN USE, OCCUPANCY OR  
EGRESS UNDER THIS  
APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121591571-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **SILVERCUP SCAFFOLDING 1 L**

## ADJOINING PROPERTY FINDINGS

Date: **5/14/2008**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z117279

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: STAR ELEC'L CO., INC

Date: **5/16/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z104619

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: ELEC, LIGHT & POWER,INC

## ADJOINING PROPERTY FINDINGS

Date: **4/21/2005**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALL HEAVY DUTY SIDEWALK SHED A TOTAL OF 55 FT LONG AT 229 WEST  
109 STREET.  
- DURING REMEDIAL REPAIRS. WORK TO COMPL WITH LL33/91. LL33/91. NO  
CHANGE IN  
OCCUPANCY USE OR EGRESS FILED ON THIS APPLICATION.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **104090804-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

### **W 110TH ST**

**410 W 110TH ST**

Date: **4/8/2014**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE (2) LOW PRESSURE BOILERS (NYC BOILER NOS. 61695-01, 02) WITH  
BOILER AND  
OIL BURNER AND INSTALL (2) HOT WATER STORAGE TANKS.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120362776-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL CALISTO**

## ADJOINING PROPERTY FINDINGS

Date: **7/29/2013**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2**  
**INSTALL NEW GAS SERVICE, METER AND PIPING TO NYC BOILER NO. MD61695-01**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121729834-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **G.BASSOLINO PLUMBING LTD 0001044-MP**

Date: **3/21/2013**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE**  
**MASONRY FACADE REPAIRS. NO CHANGE IN USE, EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use: **RESID. BLDG - OLD CODE**  
Permit Number: **121560907-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOWER BLDG SERVICES,INC**

## ADJOINING PROPERTY FINDINGS

Date: **1/31/2013**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF SIDEWALK SHED AS PER PLANS. NO CHANGE IN  
USE, EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **140052555-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ANTHONY ALMYROUDIS**

Date: **7/10/2010**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z126673**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ITKIN ELECTRIC CORP.**

## ADJOINING PROPERTY FINDINGS

Date: **6/7/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE (2) LOW PRESSURE BOILERS (NYC BOILER NOS. 61695-01, 02) WITH  
BOILER AND  
OIL BURNER AND INSTALL (2) HOT WATER STORAGE TANKS.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120362776-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JAMES LOPEZ**

Date: **6/7/2010**  
Permit Type: **EW**  
Description:

Permit Description: **EQUIPMENT WORK**  
Work Class:  
Proposed Use:  
Permit Number: **120362776-01-EW-FB**  
Status:  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **4/10/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z121307

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: BOROWIDE ELECT'L CONTR'S

Date: **3/2/2005**

Permit Type: **EW**

Description: **ALTERATION TYPE 2 - GC**  
**Exterior restoration & roof repairs. No change to use, egress, or occupancy.**  
**Sidewalk shed filed under a separate application.**

Permit Description: **EQUIPMENT WORK**

Work Class: A2 - ALTERATION TYPE 2

Proposed Use:

Permit Number: 103934628-01-EW-OT

Status: ISSUED

Valuation: \$0.00

Contractor Company:

Contractor Name: FRANK BITONTI

## ADJOINING PROPERTY FINDINGS

Date: **12/20/2004**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
WE SHALL INSTALL 500 LINEAR FEET OF HEAVYDUTY SIDEWALK SHED. IT WILL  
BE USED  
FOR EXTERIOR FACADE REPAIR. THERE WILL BE NO CHANGE IN USE, EGRESS  
OR  
OCCUPANCY. WE SHALL COMPLY WITH LL 33/91**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **103936145-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JOHN PANATANELLI**

### 412 W 110TH ST

Date: **12/24/2011**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z133192**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **METRO ELEC'L CONTRS, INC**

## ADJOINING PROPERTY FINDINGS

Date: **12/2/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z132887

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBIN ELECTRICAL CO., INC

Date: **7/29/2011**

Permit Type: **EW**

Description:

Permit Description: **EQUIPMENT WORK**

Work Class:

Proposed Use:

Permit Number: 120776801-01-EW-FB

Status:

Valuation: \$0.00

Contractor Company:

Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **7/29/2011**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FUEL STORAGE  
REPLACE OIL BURNER WITH GAS/OIL BURNER ON NYC BOILER # MD903129-01,  
CHANGE FROM  
#6 TO #2 OIL, AND INSTLL NEW GAS SERVICE, GAS METER, AND GAS PIPING.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120776801-01-EW-FS**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **IRVING BAUER**

Date: **7/29/2011**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE OIL BURNER WITH GAS/OIL BURNER ON NYC BOILER # MD903129-01,  
CHANGE FROM  
#6 TO #2 OIL, AND INSTLL NEW GAS SERVICE, GAS METER, AND GAS PIPING.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120776801-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **BRYAN KAPLAN**

## ADJOINING PROPERTY FINDINGS

Date: 11/18/2010  
Permit Type: EQ  
Description: ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
PROPOSED INSTALLATION OF HEAVY DUTY SIDEWALK SHED FILED FOR  
REMEDIAL REPAIRS AS  
PER PLANS. NO CHANGE IN USE OCCUPANCY OR EGRESS UNDER THIS  
APPLICATION. LIVE  
LOAD 300 PER SQUARE FEET. SIDEWALK SHED SHALL COMPLY WITH CHAPTER  
# 33 OF THE  
2008 CODE.

Permit Description: CONSTRUCTION EQUIPMENT  
Work Class: A3 - ALTERATION TYPE 3  
Proposed Use:  
Permit Number: 120437759-01-EQ-SH  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: JOHN MCLOUGHLIN

Date: 10/13/2010  
Permit Type: EW  
Description: ALTERATION TYPE 2 - FACADE  
FACADE REPAIRS. LINTEL AND CORNER REPLACEMENT. NO CHANGE IN  
USE, OCCUPANCY OR  
EGRESS.

Permit Description: EQUIPMENT WORK  
Work Class: A2 - ALTERATION TYPE 2  
Proposed Use:  
Permit Number: 120497630-01-EW-OT  
Status: ISSUED  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: STEVE KATZ

## ADJOINING PROPERTY FINDINGS

Date: **8/19/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z127285

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: NEWLINE ELECTRICAL CORP

Date: **8/13/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z127216

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: RPJ ELECTRIC CORP

## ADJOINING PROPERTY FINDINGS

Date: **9/16/2009**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - FACADE  
TERRACOTA REPLACING,REPOINTING AND PARAPET WORK, WORK AREA  
APPROXIMATELY 390  
SQUARE FEET AS PER PLANS.NO CHANGES IN USE,EGRESS OR OCCUPANCY.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120157150-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOMCZAK WLODZIMIERZ**

Date: **9/16/2009**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED  
INSTALLATION OF A HEAVY DUTY SIDEWALK SHED APPROXIMATELY 140'LONG  
BY 8'HIGH BY  
10'WIDE AS PER PLANS DURING FACADE RESTORATION. SIDEWALK SHED TO  
COMPLY WITH NEW  
YORK CITY BUILDING CODE 2008,CHAPTER 33.NO CHANGES IN USE,EGRESS OR  
OCCUPANCY.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120157169-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **TOMCZAK WLODZIMIERZ**

## ADJOINING PROPERTY FINDINGS

Date: **9/11/2009**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z123164

Status: AWAITING INSPECTION REQUEST

Valuation: \$0.00

Contractor Company:

Contractor Name: E. FITZGERALD ELEC CO INC

Date: **12/15/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z115258

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: A.D.C. ELECTRIC, INC

Date: **9/12/2007**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z113978

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBIN ELECTRICAL CO., INC

## ADJOINING PROPERTY FINDINGS

Date: **12/11/2006**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z110281

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: ROBIN ELECTRICAL CO., INC

Date: **8/29/2005**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z105755

Status: COMPLETED

Valuation: \$0.00

Contractor Company:

Contractor Name: NEW GRAND ELECTRIC, INC.

## ADJOINING PROPERTY FINDINGS

424 W 110TH ST

Date: **1/13/2012**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - MECH/HVAC  
INSTALL UNITS A/C AS SHOWN**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120823644-01-EW-MH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL THEOLOGOS**

Date: **9/12/2011**  
Permit Type: **AL**  
Description: **ALTERATION TYPE 3 - GEN. CONSTR.  
INSTALL NEW 8FT BRICK FENCE AS SHOWN**

Permit Description: **ALTERATION**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **120820870-01-AL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MICHAEL THEOLOGOS**

## ADJOINING PROPERTY FINDINGS

Date: **3/5/2011**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z129385

Status: COMPLETED, ASSIGNED TO INSPECTOR

Valuation: \$0.00

Contractor Company:

Contractor Name: PJZ MAINTENANCE CORP.

Date: **11/3/2010**

Permit Type:

Description:

Permit Description: **ELECTRICAL**

Work Class:

Proposed Use:

Permit Number: Z128181

Status: ADMINISTRATIVELY CLOSED (MINOR WORK)

Valuation: \$0.00

Contractor Company:

Contractor Name: BOROWIDE ELECT'L CONTR'S

## ADJOINING PROPERTY FINDINGS

Date: **9/3/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - CONSTR  
REPLACE (2) LOW PRESSURE BOILERS AND GAS BURNERS WITH (3) LOW  
PRESSURE DHW GAS  
FIRED BOILERS, MODIFY AND CONNECT TO EXISTING GAS PIPING. INSTALL  
NEW STEEL GAS  
VENT. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120388400-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **MARCEL NEWBERG**

Date: **9/3/2010**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - BOILER  
REPLACE (2) LOW PRESSURE BOILERS AND GAS BURNERS WITH (3) LOW  
PRESSURE DHW GAS  
FIRED BOILERS, MODIFY AND CONNECT TO EXISTING GAS PIPING. INSTALL  
NEW STEEL GAS  
VENT. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120388400-01-EW-BL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RUDOLPH BONELLI**

## ADJOINING PROPERTY FINDINGS

Date: **9/3/2010**  
Permit Type: **PL**  
Description: **PLUMBING - ALTERATION TYPE 2  
REPLACE (2) LOW PRESSURE BOILERS AND GAS BURNERS WITH (3) LOW  
PRESSURE DHW GAS  
FIRED BOILERS, MODIFY AND CONNECT TO EXISTING GAS PIPING. INSTALL  
NEW STEEL GAS  
VENT. NO CHANGE IN USE, EGRESS OR OCCUPANCY UNDER THIS  
APPLICATION.**

Permit Description: **PLUMBING**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **120388400-01-PL**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **RUDOLPH BONELLI**

Date: **8/3/2009**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z122500**  
Status: **COMPLETED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **ALLIANCE ELEVATOR COMPANY**

## ADJOINING PROPERTY FINDINGS

Date: **2/13/2008**  
Permit Type: **EQ**  
Description: **ALTERATION TYPE 3 - CONSTRUCTION EQUIPMENT - SIDEWALK-SHED**  
**Install sidewalk shed a total of 1253 L.F at 424 CATHEDRAL PARKWAY. Work shall comply with LL 33/91. No change in use, egress or occupancy.**

Permit Description: **CONSTRUCTION EQUIPMENT**  
Work Class: **A3 - ALTERATION TYPE 3**  
Proposed Use:  
Permit Number: **110091221-01-EQ-SH**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **JERIMIAH HARRINGTON**

Date: **2/5/2008**  
Permit Type:  
Description:

Permit Description: **ELECTRICAL**  
Work Class:  
Proposed Use:  
Permit Number: **Z115938**  
Status: **AWAITING INSPECTION REQUEST**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **CORE ELEC & COMMUNICATION**

## ADJOINING PROPERTY FINDINGS

Date: **3/2/2005**  
Permit Type: **EW**  
Description: **ALTERATION TYPE 2 - GC**  
**Removal & replacement of entire exterior brick masonry, removal & resetting of existing shelf angle shown on the drawing, resetting new shelf angles as shown on the drawings. There is no change in use, egress or occupancy under this application.**

Permit Description: **EQUIPMENT WORK**  
Work Class: **A2 - ALTERATION TYPE 2**  
Proposed Use:  
Permit Number: **103525758-01-EW-OT**  
Status: **ISSUED**  
Valuation: **\$0.00**  
Contractor Company:  
Contractor Name: **FRANK BITONTI**

## GLOSSARY

### General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

## GLOSSARY

### Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

### Sample Building Permit Data

Date: Nov 09, 2000

Permit Type: Bldg -

New Permit Number: 101000000405

Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

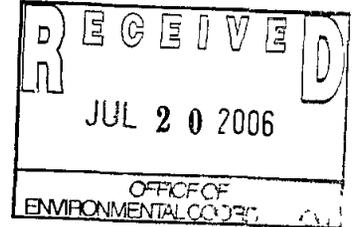
Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.



**DEPARTMENT OF HOUSING PRESERVATION  
AND DEVELOPMENT**  
SHAUN DONOVAN, Commissioner

**Office of Development**  
DIVISION OF PLANNING AND PIPELINE DEVELOPMENT  
100 GOLD STREET NEW YORK, N.Y. 10038

RAFAEL E. CESTERO, Deputy Commissioner  
HOLLY LEICHT, Assistant Commissioner



**NEGATIVE DECLARATION**

**Date:** July 14, 2006

**CEQR No.:** 06HPD024M

**Name:** West 108<sup>th</sup> Street Garages  
(5<sup>th</sup> Amendment to Cathedral Parkway Urban Renewal Plan)

**LOCATION:** 107/07, 137/43, 151/59 West 108<sup>th</sup> Street

**Block/Lots:** Block 1863/Lots 5, 13 and 26

**Location:** Manhattan, CD# 7

**DESCRIPTION OF PROPOSED ACTION**

Enclosed is the Negative Declaration for West 108<sup>th</sup> Street Garages (a 5th Amendment to the Cathedral Parkway Urban Renewal Plan) CEQR No. 06HPD024M. The New York City Housing Preservation and Development is seeking the approval of the Uniform Land Use Procedure (ULURP) actions needed to facilitate the proposed project sales of three existing garages. The ULURP actions are:

1) the disposition of City-owned property, 2) designation of the site as an Urban Development Action Area Plan (UDAAP) project, and 3) an amendment to the Cathedral Parkway Urban Renewal Plan.

These actions will facilitate the sale of three existing garages to the current tenants, to be operated as commercial non-accessory parking garages. These actions will generate a total of 625 garage parking spaces with approximately 30,000 square feet of City-owned property.



Page 2.

**STATEMENT OF NO SIGNIFICANT EFFECT**

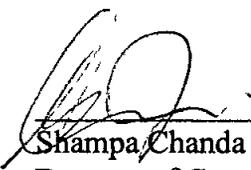
Pursuant to the CEQR rules adopted on June 6, 1991, Executive order 91, the Department of Housing Preservation and Development (HPD) has assumed the role of Lead Agency for the purpose of making the following determination

HPD has determined that the proposed action will have no significant effect on the quality of the environment

**SUPPORTING STATEMENTS**

The above determination is based upon an Environmental Assessment Statement (EAS), dated July 11, 2006 The EAS is on file with HPD and available for public review

This Negative Declaration has been prepared in accordance with Article 8 of the Environmental Conservation Law 6NYCRR Part 617

  
\_\_\_\_\_  
Shampa Chanda  
Director of Citywide Planning

7/18/06  
\_\_\_\_\_  
Date

SC/ds



**103-107 and 143-159 West 108th Street**  
103-107 and 143-159 West 108th Street  
New York, NY

Inquiry Number: 4298005.7  
May 21, 2015

# The EDR Environmental LienSearch™ Report



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# EDR Environmental LienSearch™ Report

## TARGET PROPERTY INFORMATION

### ADDRESS

103-107 and 143-159 West 108th Street  
103-107 and 143-159 West 108th Street  
New York, NY

### RESEARCH SOURCE

Source 1: New York City Register  
Source 2: New York County Clerk  
Source 3: New York Department of Finance

### DEED INFORMATION

#### **Deed 1:**

The current owner of the subject parcel is the New York City, Department of Housing Preservation and Development. The New York City, Department of Housing Preservation and Development acquired title to the property by Order of Condemnation recorded on 12/5/1969 in Reel 69 Page 3700. Copy is unavailable.

### LEGAL DESCRIPTION

Lot 5, Block 1863, situated and lying in the City of New York, New York County, State of New York

Property Identifier: Block 1863 Lot 5

### ENVIRONMENTAL LIEN

Found:  Not Found:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found:  Not Found:

# EDR Environmental LienSearch™ Report

## DEED INFORMATION

### Deed 1:

Type of Deed: Deed

Grantor: The City of New York, a municipal corporation

Grantee: Valley Lodge Housing Development Fund Corporation, a not-for-profit corporation

Deed Recorded: 10/02/1986

Instrument: Book 1124, Page 350

## LEGAL DESCRIPTION

Lot 10, Block 1863, situated and lying in the City of New York, New York County, State of New York

Property Identifier: Block 1863 Lot 10

## ENVIRONMENTAL LIEN

Found:

Not Found:

## OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found:

Not Found:

# EDR Environmental LienSearch™ Report

## DEED INFORMATION

### Deed 1:

The current owner of the subject parcel is the City of New York. The City of New York acquired the parcel by Final Decree dated 6/25/1971 and recorded 7/16/1971 and filed in Reel 210 Page 1866.

## LEGAL DESCRIPTION

Lot 13, Block 1863, situated and lying in the City of New York, New York County, State of New York

Property Identifier: Block 1863 Lot 13

## ENVIRONMENTAL LIEN

Found:

Not Found:

## OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found:

Not Found:

# EDR Environmental LienSearch™ Report

## DEED INFORMATION

### **Deed 1:**

The current owner of the subject parcel is the New York City, Department of Housing Preservation and Development. The New York City, Department of Housing Preservation and Development acquired title to the property by Order of Condemnation recorded on 12/5/1969 in Reel 69 Page 3700. Copy is unavailable.

## LEGAL DESCRIPTION

Lot 26, Block 1863, situated and lying in the City of New York, New York County, State of New York

Property Identifier: Block 1863 Lot 26

## ENVIRONMENTAL LIEN

Found:

Not Found:

## OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found:

Not Found:

**EDR Environmental LienSearch™ Report**

**Deed - Exhibit**

072586/URE/RENEW/DEED 335

THIS INDENTURE made as of the 26<sup>th</sup> day of August, in the year of One Thousand Nine Hundred Eighty Six between THE CITY OF NEW YORK, a municipal corporation, having its principal office at the City Hall, Borough of Manhattan, City and State of New York (hereinafter referred to as the "Grantor"), and Valley Lodge Housing Development Fund Corporation a not-for-profit corporation duly organized pursuant to the provisions of Article XI of the New York State Private Housing Finance Law ("PHFL"), having its principal office at 230/40 West 103rd Street, New York, New York (hereinafter referred to as the "Grantee")

WHEREAS, the Board of Estimate of The City of New York has, by resolution adopted on the 14th day of August, 1986 (Cal. No. 6), annexed hereto as Exhibit A and made a part hereof, duly authorized the conveyance by the Grantor to the Grantee of the premises (hereinafter referred to as the Disposition Area and as further described) for the negotiated price of One (\$1.00) Dollar, pursuant to Article XV of the New York State General Municipal Law.

NOW THEREFORE, WITNESSETH: that the Grantor in consideration of the sum of \$ 1.00 lawful money of the United States and other good and valuable consideration paid by the Grantee does hereby grant and release unto the Grantee its successors and assigns forever all those plots, pieces or parcels of real property, together with the improvements thereon, situate, lying and being in the Borough of Manhattan, County of New York, City and State of New York as such Disposition Area is bounded and described as shown on attached Exhibit B..



1124 351

TO HAVE AND TO HOLD said Premises herein granted unto the Grantee, its successors and assigns forever, as follows:

FIRST: This conveyance is made pursuant to and for the purposes set forth in Article XV of the General Municipal Law of the State of New York (hereinafter referred to as "Article XV of the General Municipal Law").

SECOND: Simultaneously with the delivery of this Deed, the Grantee shall pay any New York City Real Property Transfer Tax and any New York State Real Property Transfer Tax which may be due as a result of this conveyance.

THIRD: The Grantee accepts this Deed subject to:

1. Any state of facts an accurate survey will show.
2. All covenants, easements, and restrictions of record, encroachments and utility easements and rights of way, provided that they do not prohibit the development or proposed use of the Disposition Area.
3. The trust fund provisions of Section 13 of the New York State Lien Law.
4. The provisions of the Urban Renewal Plan (the "Urban Renewal Plan") for the Cathedral Parkway Urban Renewal Area (the "Urban Renewal Area").
5. Any and all municipal liens, taxes, charges, or encumbrances affecting the Premises as of the date of the delivery of this Deed, whether the same be of record on such date or are thereafter listed or recorded; provided, however, that the Grantor agrees that it shall not enforce any such liens, taxes, charges, or encumbrances against the Premises, the improvements erected or to be erected thereon, the Grantee hereunder, any purchaser of the



Premises; except that with respect to real estate taxes, water charges and sewer rents, the Grantor will forward bills, adjusted so that such rents, taxes and charges will be due commencing from the date of the delivery of this Deed.

6. The rights, if any, of tenants or person in possession, if any.

7. Building restrictions and zoning regulations in effect as of the date hereof and any facts disclosed in the City of New York tax and zoning maps and zoning resolutions.

8. The provisions of all laws, codes, statutes, ordinances, acts, rules and regulations of any local, state or federal government, or any agency or subdivision thereof, having jurisdiction or any violation of the same existing at the time of conveyance title.

**FOURTH:** The Grantor and the Grantee agree that, if subsequent to the conveyance hereunder and prior to the completion of the Reconstruction Work (as hereinafter defined):

1. The Grantee (or its successor in interest) shall be in default of or violate its obligations with respect to the covenants and conditions of a certain Development Contract (or "Use Agreement") between the Grantor, acting by and through its Department of Housing Preservation and Development, and the Grantee, as the same may be amended from time to time, entered into for the purpose of carrying out the renovation, rehabilitation and operation of the Premises ("Reconstruction Work"), including any dates specified in the Contract for the commencement and completion of the Reconstruction Work, as such default or violations may be determined by the Commissioner of the Department of Housing Preservation and Development of the City of New York, or his successor (the "Commissioner"); or



2. The Grantee shall fail to comply with the terms, conditions set forth in the Urban Renewal Plan contained in Schedule C annexed to this Agreement, as said Urban Renewal Plan may be amended from time to time. Said covenant shall run for the duration of the controls of said Urban Renewal Plan and shall expire on December 19, 2008.

3. The Grantee (or successor in interest) shall fail to pay real estate taxes, assessments, water and sewer rents and charges on the Premises or any part thereof when due, or shall place any encumbrance or lien upon the Premises in violation of any security interest or mortgage made to finance the Reconstruction Work, or shall suffer any levy or attachment to be made, or any other encumbrance or lien to attach (other than a lien for taxes or City assessments) and such encumbrance or lien shall not have been removed or discharged, or provision satisfactory to the Commissioner made for such removal or discharge, within ninety (90) days after written demand by the Commissioner so to do; or

4. There is a transfer of the ownership of the Premises or any part thereof, including a change with respect to the identity of the parties in control of the entity constituting the Grantee or a change with respect to the degree of control or ownership interest of any individual or entity which is a member, partner or stockholder of the Grantee (or successor in interest) without the prior written approval of the Commissioner; or

5. There is a violation of the Use Agreement, Article XV of the General Municipal Law, or any other terms and conditions of carrying out the Project, which violation is not cured within sixty (60) days after written demand by the Commissioner;

Then in any of these instances the Grantee (or its successor in interest) shall reconvey to the Grantor, without consideration, by bargain and sale deed with covenants, all the Premises together with the buildings and improvements thereon, free and clear of all liens, encumbrances.



In the event that the Grantee (or its successor in interest) shall be obligated to and shall fail to reconvey said Premises in accordance with the provisions herein, the Grantor may institute such actions or proceedings as it may deem advisable including, but not limited to, proceedings to compel specific performance to acquire fee title, free and clear of all liens, encumbrances and mortgages. The Grantor may apply for and shall have the right to have a Receiver appointed without notice to the Grantee in any such action or proceeding.

**FIFTH:** The Grantee, by its execution of this Deed, covenants and agrees for and on behalf of itself, its successors and assigns, and every successor in interest to the Premises or any part thereof, which covenants shall be covenants running with the land;

1. To undertake the operation and management of the Project as described in the Urban Renewal Plan attached hereto as Exhibit C in accordance with all the terms and conditions of the Project Documents (as defined below) for a period of ten (10) years from the date of issuance of a Certificate of Occupancy for the Premises ("Use Agreement Period").

2. To not sell, transfer, change or otherwise dispose of or lease all or substantially all of the all of the Premises, without written approval of the Commissioner of the City's Department of Housing Preservation and Development ("HPD").

3. During the Use Agreement Period or after the Use Agreement Period expires, Grantor may convert the Premises to permanent housing and in such event, Grantor shall permit all remaining tenants of the Premises to remain as tenants by offering all tenants leases for a minimum period of one year. Grantor shall further offer all vacant units upon initial vacancy of such units to persons referred to Grantor by the New York City Human Resources Administration, HPD or an alternative source approved by same and all units shall be subject to the rent stabilization laws of 1969. Rental charges shall be no higher than the applicable



than the applicable maximum amount for Shelter Allowance and all rent increases shall be in accordance with the increases authorized by the Rent Guidelines Board or its successor.

4. To not change, alter or in any manner modify the certificate of occupancy without obtaining written approval from the Commissioner of HPD.

5. To not engage in financing or permit any lien to be placed on the Premises or any portion thereof without written approval from the Commissioner of HPD. Grantee may only utilize the proceeds from such financing for the Project. In any event the Grantee shall promptly notify the Grantor of any encumbrance or lien that has been placed upon or attached to the Premises or any portion thereof, whether by voluntary act of the Grantee or otherwise.

6. To utilize the Premises for person of low income as defined in Article 8 of PHFL.

7. To forever comply with all State and local laws in effect from time to time prohibiting discrimination or segregation by reason of race, religion, sex, color, creed, national origin, ancestry, marital status or disability, in the sale, lease, rental, occupancy or use of the Premises, or any buildings and improvements erected or to be erected thereon or any part thereof.

8. Not to ever effect or execute any agreement, lease, conveyance or other instrument whereby the Premises or any part thereof are restricted upon the basis of race, religion, creed, color, sex, national origin, ancestry, marital status or disability, in the sale, lease or occupancy thereof.

The Grantee agrees that if it should fail to perform or abide by any of the covenants set forth in subsections (1), (2), (3), (4), (5) or (6) of this Section FIFTH, the Grantee (or its successor in interest) shall reconvey to the Grantor, upon demand of the



Grantor and without consideration, by bargain and sale deed with covenants, all the Premises together with the buildings and improvements thereon, free and clear of all liens, encumbrances and mortgages.

The agreements, covenants and provisions heretofore provided in this Deed and all agreements, covenants and provisions in the Agreement shall, as provided in accordance with the Agreement, run in favor of, and be enforceable by, the City, the United States of America, the State of New York, and the owner of any interest in any other land in the Urban Renewal Area, which is subject to the land use requirements and restrictions of the Urban Renewal Plan, against Grantee and each successor and assign and every successor in interest to the Disposition Area and every part thereof, and each party in possession or occupancy of the Disposition Area, or any part thereof, provided however that such agreements and covenants shall be binding on the Grantee itself, and each successor in possession or occupancy, respectively, only for such period as such party shall have title to, or an interest in, or possession or occupancy of, the Disposition Area or any part thereof.

The Grantor is hereby conveying the Premises to the Grantee subject to all of the terms, conditions, provisions and covenants of this Deed, the Urban Renewal Plan (Exhibit C), the Use Agreement, made to finance the Reconstruction Work (collectively referred to as the "Project Documents"); and provided further, that the Grantee by its execution of the instrument of conveyance agrees to comply with all such terms, conditions, provisions and covenants and further agrees on behalf of itself and its successors in interest to perform all of the obligations of the Grantee under the Project Documents.

Notwithstanding the specific recital in this Deed of certain of the covenants and agreements which are provided for in the Project Documents, no covenant nor agreement contained in the Project Documents shall in any respect be merged with this Deed



but each and every such covenant and agreement shall survive this grant and remain in full force and effect. The Grantor agrees to cause the Project Documents to be recorded simultaneously with this Deed.

IN WITNESS WHEREOF, The Grantor has caused this Deed to be executed by the Deputy Commissioner of the Department of General Services in charge of the Division of Real Property and by the City Clerk, and its corporate seal to be hereunto affixed, and the Grantee has fully executed this Deed as of the day and year first above written.

THE CITY OF NEW YORK

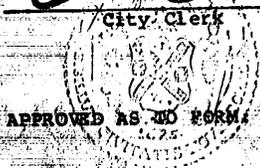
By: [Signature]  
Deputy Commissioner  
Department of General Services  
Division of Real Property

VALLEY LODGE HUSING DEVELOPMENT  
FUND CORPORATION

ATTEST:

By: [Signature]

[Signature]  
City Clerk



[Signature]  
(Acting) Corporation Counsel *pd*



061786/UA/BR

8/14/86  
#6

EXHIBIT A

1124 PG 358  
CITY OF NEW YORK  
BOARD OF ESTIMATE  
BUREAU OF SECRETARY

REC'D. AUG 13 1986

REFERRED CALENDAR  
Reg. No. 9880 Vol. No. 151

BOARD OF ESTIMATE  
CITY OF NEW YORK  
(Cal. No. 6)

WHEREAS, The Board of Estimate on March 11, 1971 (Cal. No. 2) approved the Urban Renewal Plan for the Cathedral Parkway Urban Renewal Area ("Urban Renewal Area") pursuant to Article 15 of the General Municipal Law of the State of New York, as amended and supplemented; and

WHEREAS, The City of New York (the "City") has acquired title to certain real property (the "Disposition Area") in said Urban Renewal Area, in accordance with said Urban Renewal Plan; and

WHEREAS, the Disposition Area, designated as Site 3 in said Urban Renewal Plan, is located in the Borough of Manhattan, City and State of New York, and identified as the following block and lots on the Tax Map:

<u>BLOCK</u>	<u>LOTS</u>
1863	Tentative Designation 10 (Formerly known as 10, 11, 12)

WHEREAS, Valley Lodge Housing Development Fund Corporation ("Sponsor") a not-for-profit corporation duly organized pursuant to Article XI of the Private Housing Finance Law, has been designated as a qualified and eligible sponsor by the Department of Housing Preservation and Development ("HPD") to undertake the rehabilitation of the Disposition Area for the development of transitional housing for homeless persons (the "Project"); and

WHEREAS, the sale of the Disposition Area to Sponsor will be

URB/RESO/292a



at the negotiated price of One (\$1.00) Dollar per tax lot, upon the terms and conditions set forth in the deed conveying the Disposition Area and a proposed Use Agreement between the City and the Sponsor without public auction or sealed bids, and

WHEREAS, The Board of Estimate held a public hearing on January 26, 1986 (Cal. No. 14 ) pursuant to Section 197-c of the New York City Charter, considered and approved the favorable recommendation by the City Planning Commission (Report No. C831231HDM, dated January, 4, 1984) of the proposed disposition and use of Site 3 for the rehabilitation of the Disposition Area for the development of transitional housing for homeless persons upon the finding that the proposed application therefore was consistent with the objectives and the provisions of the Urban Renewal Plan; and

WHEREAS, HPD has recommended that the Board of Estimate proceed with the sale of the Disposition Area pursuant to the provisions of Article 15 of the General Municipal Law of the State of New York; and

WHEREAS, The Board of Estimate has held a public hearing pursuant to Article 15 of the General Municipal Law to consider the proposed Disposition Agreement; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Estimate:

1. That the Board of Estimate approves the sale of City-owned land in the Cathedral Parkway Urban Renewal Area designated as Site 3 and known as and by the following New York County Tax Map Block and Lot(s):

BLOCK  
1863

LOT(S)  
Tentative designation 10  
(Formerly known as 10,  
11, 12)

to Sponsor pursuant to Section 507 of the General Municipal Law.

2. That the proposed Use Agreement between the City of New York and the Sponsor has been approved in substantially the form submitted and the Mayor or the Deputy Mayor has been authorized to execute the same, after approval as to form by the Corporation Counsel and the City Clerk (or Acting City Clerk) has been directed to attest the same and affix thereto the seal of the City of New York.



3. That HPD shall file reports on the status of the Project and the anticipated date of the transfer of title to the Disposition Area at the next Board of Estimate meetings following the eighth and sixteenth months from the date hereof.

4. That the Mayor, Deputy Mayor, or Deputy Commissioner or Acting Deputy Commissioner of the Department of General Services, Division of Real Property, is authorized to execute or deliver to the Sponsor a deed of conveyance of title to the Disposition Area, at the negotiated price fixed in the deed, and upon the terms and conditions contained therein, without public auction or sealed bids, after approval as to form by Corporation Counsel and the City Clerk or Acting City Clerk is hereby directed to attest said deed and to affix the seal of the City of New York thereto, provided however, that this authority shall expire two years from the date of the adoption of this resolution.

APPROVED AS TO FORM:

Acting Corporation Counsel

A TRUE COPY OF RESOLUTION NO: 6 DATED 8-14 1986  
 ADOPTED BY THE BOARD OF ESTIMATE.

*M*

*Theodore M. Mackin*  
 Secretary



## EXHIBIT B

## Cathedral Parkway URA Site 3

## Manhattan Tax Block 1863 Tax Lot 10

All that certain plot, piece, or parcel of land together with buildings and improvements erected thereon and the appurtenances thereunto belonging situated in the Borough of Manhattan, New York County, City and State of New York, and described as follows:

BEGINNING AT A POINT ON THE NORTHERLY LINE OF W. 108th Street distant 225 feet easterly from the corner formed by the intersection of the northerly line of West 108th Street with the easterly line of Amsterdam Avenue which point or place of beginning is where the dividing line between Tax Lots 5 and 10 in Manhattan Tax Block 1863 intersects the northerly line of W. 108th Street as shown on the Tax Map of the City of New York for the Borough of Manhattan, New York County as said Tax Map existed on July 29, 1986;

1. Running thence northerly, along the westerly line of Tax Lot 10 for 100 feet 11 inches to the northerly line of Tax Lot 10;
2. Thence easterly, along the northerly line of Tax Lot 10 for 75 feet 0 inches to the westerly line of Tax Lot 13;
3. Thence southerly, along the westerly line of Tax Lot 13, 100 feet 11 inches to the northerly line of W. 108th Street;
4. Thence westerly, along the northerly line of W. 108th Street 75 feet 0 inches to the point or place of beginning, the aforesaid distances being more or less.

The above described area is known as Tax Lot 10 in Manhattan Tax Block 1863 as shown on the Tax Map of the City of New York for the Borough of Manhattan, New York County as said Tax Map existed on July 29, 1986.

HPD

7-30-86



EXHIBIT C

CITY OF NEW YORK  
DEPARTMENT OF HOUSING PRESERVATION AND DEVELOPMENT  
Office of Community Development

CATHEDRAL PARKWAY NDP  
URBAN RENEWAL PROJECT  
NY A-1-3

APPROVED BY CPC  
(BOE ADOPTION NEEDED)  
Date 4-5-1972 File No. 21828

ADOPTED BY BOE  
Date 5-25-1972 C.P. No. 5

REVISED BY MINOR CHANGE  
Pages Revised 1, 4, 9, 10, 12, 13  
Pages Revised is 10, Chapter 2 Date 4-80  
Date Approved by CPC 3-10-82, C.A. Esterline, M.P.M.

Third Amended URBAN RENEWAL PLAN  
Minor Change April, 1983



CATHEDRAL PARKWAY

NDP URBAN RENEWAL AREA

History of Prior Approvals

Original Urban Renewal Plan

Approved by the City Planning Commission: November 28, 1968 (CP-20519)  
 Adopted by the Board of Estimate: December 19, 1968 (Cal.No. 4)

First Amended Urban Renewal Plan

Approved by the City Planning Commission: September 10, 1969 (CP-20760)  
 Adopted by the Board of Estimate: October 23, 1969 (Cal.No. 36)

Second Amended Urban Renewal Plan

Approved by the City Planning Commission: February 13, 1971 (CP-21463)  
 Adopted by the Board of Estimate: March 11, 1971 (Cal.No. 2)

Third Amended Urban Renewal Plan

Approved by the City Planning Commission: April 5, 1972 (CP-21828)  
 Adopted by the Board of Estimate: May 25, 1972 (Cal.No. 5)

Minor Change

Approved by the City Planning Commission: February 15, 1983 (C-830819-HCM)

Fourth Amended Urban Renewal Plan

Approved by the City Planning Commission:  
 Adopted by the Board of Estimate:



CATHEDRAL PARKWAY

NDP URBAN RENEWAL AREA

History of Prior Approvals

Original Urban Renewal Plan

Approved by the City Planning Commission: November 28, 1968 (CP-20519)  
Adopted by the Board of Estimate: December 19, 1968 (Cal.No. 4)

First Amended Urban Renewal Plan

Approved by the City Planning Commission: September 10, 1969 (CP-20760)  
Adopted by the Board of Estimate: October 23, 1969 (Cal.No. 36)

Second Amended Urban Renewal Plan

Approved by the City Planning Commission: February 13, 1971 (CP-21463)  
Adopted by the Board of Estimate: March 11, 1971 (Cal.No. 2)

Third Amended Urban Renewal Plan

Approved by the City Planning Commission: April 5, 1972 (CP-21828)  
Adopted by the Board of Estimate: May 25, 1972 (Cal.No. 5)

Minor Change

Approved by the City Planning Commission: February 15, 1983 (C-830819-HCM)

Fourth Amended Urban Renewal Plan

Approved by the City Planning Commission:  
Adopted by the Board of Estimate:



CATHEDRAL PARKWAY  
NDP URBAN RENEWAL AREA  
PROGRAM NO. NY A-1

NEW YORK CITY DEPARTMENT OF HOUSING PRESERVATION AND DEVELOPMENT  
NEW YORK, NEW YORK  
URBAN RENEWAL PLAN

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EXHIBITS

Project Boundary and Land Acquisition Map,  
Dated: August, 1969; Revised: August, 1970; April, 1980.

Land Use Plan Map; Dated: August, 1969, Revised: July, 1970;  
December, 1971; April, 1980; April, 1983

- A. List of properties to be acquired
- B. Boundary Description
- C. Property rehabilitation standards and controls

Area: Cathedral Parkway  
Rev: April, 1983



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**SECTION A: DESCRIPTION OF URBAN RENEWAL AREA****1. BOUNDARIES OF URBAN RENEWAL AREA**

The boundaries of the Urban Renewal Area are as shown on Project Boundary and Land Acquisition Map, dated August, 1969 and revised April 1980, and are generally as follows:

Central Park West, West 11th Street, Manhattan Avenue, Cathedral Parkway, Amsterdam Avenue, West 114th Street, Broadway, West 116th Street, Claremont Avenue, West 119th Street, Riverside Drive, West 104th Street, Broadway, West 108th Street, Borough of Manhattan, City of New York, and is as described in the attached EXHIBIT B.

**2. NEIGHBORHOOD CHARACTERISTICS:**

The Cathedral Parkway Project is a 28 block area on the Upper West Side of Manhattan, and is adjacent to the Harlem East Harlem Urban Renewal Area.

The area is predominantly residential and its population reflects to a large extent the proximity of the dozen or so major medical and educational institutions in the vicinity.

Two subways and several bus lines serve the area, and provide ready access to midtown Manhattan. The area is also served by two major parks, Central and Riverside, as well as by a large local one --- Morningside Park.

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7. CODE ENFORCEMENTS - A vigorous program of Code Enforcement will be undertaken in connection with these buildings not to be acquired.

8. PROPOSED TIME FOR EFFECTUATING OF THIS PLAN - Estimated completion date of project: December 1987

<u>Project Activity</u>	<u>Start</u>	<u>Completion</u>
a) Land Acquisition	April 1969	June 1971
b) Relocation of Site Occupants	July 1969	Sept. 1985
c) Demolition and Site Clearance	June 1971	Oct. 1985
d) Site Preparation Including Installation of Project Improvements	Aug. 1971	Nov. 1987
e) Disposition of Land in Project Area	Aug. 1971	Dec. 1986
f) Completion of Development		Dec. 1987

#### SECTION G: PROVISIONS FOR AMENDING PLAN

##### 1. CHANGES IN APPROVED PLAN

This Urban Renewal Plan may be modified at any time by the City of New York provided that, if modified prior to the termination of the financial obligation of the United States Government under the Loan and Capital Grant Contract, such modification be concurred by the Department of Housing and Urban Development, and provided further that if such modification adversely affects, as determined by the New York Department of Housing Preservation and Development, any land disposed of by the City of New York for redevelopment, written consent to such

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modification must be obtained from the purchaser mortgagee, and/or leasee of such real property or its successors and assigns which consent shall not be unreasonably withheld.

2. MINOR CHANGES:

Where, owing to special conditions, a literal enforcement of these restrictions, in regard to the physical standards of these requirements as referred to in Section C and D of this Urban Renewal Plan would result in unnecessary hardship, involve practical difficulties, or would constitute an unreasonable limitation beyond the intent and purpose of these restricts, the Department of Housing Preservation and Development shall have the power upon appealing in specific cases, to authorize such minor changes of the terms of these restrictions to conform with the intent and purpose of this Urban Renewal Plan, provided that no variation or modification shall be permitted which is less restrictive than applicable State and local codes and ordinances and provided that HUD concurrence is obtained.

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EXHIBIT A

CATHEDRAL PARKWAY PLAN AREA

TABULATION OF PROPERTIES TO BE ACQUIRED

Properties authorized for acquisition in 1969:

Site #1	Block 1884	Lot 36
Site #2	Block 1864	Lot 9
Site #3	Block 1863	Lot 5, 10, 11, 12, 13, 17 and 26
Site #4	Block 1846 S	Lot 6, 10, 12, 18, 19, 20, 21, 22, 24 and 25
Site #5	Block 1845 E	lots 18, 36
Site #6	Block 1896 N	Lot 57
Site #7	Block 1896 S	Lot 30

Properties authorized for acquisition in 1970:

Site #AA	1863	Lot 29, 30, 31, 32, 33, 34, 35, 36
Site #BB	1863	Lot, 37, 38, 39, 40, 41, 42, 43, 44
Site #9	1880	Lot 53, 55, 56, 61

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CATHEDRAL PARKWAY

EXHIBIT B - BOUNDARY DESCRIPTION

The boundary of the Cathedral Parkway Urban Renewal Project is described as follows:

Lying within the Borough of Manhattan in the City of New York, New York;

Beginning at the intersection of the northerly line of W. 119th Street with the westerly line of Riverside Drive, as these Streets are laid out on the City Map;

Running thence easterly, along said northerly line of W. 119th Street, to its point of intersection with the easterly line of Claremont Avenue;

Thence southerly, along said easterly line of Claremont Avenue, to its point of intersection with the northerly line of W. 116th Street;

Thence easterly, along said northerly line of W. 116th Street, to its point of intersection with the easterly line of Broadway;

Thence southerly, along said easterly line of Broadway, to its point of intersection with the northerly line of W. 114th Street;

Thence easterly, along said northerly line of W. 114th Street, to its point of intersection with the easterly line of Amsterdam Avenue;

Thence southerly, along said easterly line of Amsterdam Avenue, to its point of intersection with the northerly line of Cathedral Parkway;

Thence easterly, along said northerly line of Cathedral Parkway to its point of intersection with the westerly line of Manhattan Avenue;

Thence northerly, along said westerly line of Manhattan Avenue, to its point of intersection with the prolongation of the northerly line of W. 111th Street;

Thence easterly, along the northerly line of W. 111th Street, to its



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point of intersection with the easterly line of Central Park West;

Thence southerly, along said easterly line of Central Park West, to its intersection with the prolongation of the southerly line of W. 108th Street;

Thence westerly, along said southerly line of W. 108th Street, to its point of intersection with the easterly line of Broadway;

Thence southerly, along said easterly line of Broadway, to its point of intersection with the southerly line of W. 104th Street.

Thence westerly, along the southerly line of W. 104th Street, to its point of intersection with the westerly line of Riverside Drive.

Thence northerly, along the westerly line of Riverside Drive, to its point of intersection with the northerly line of W. 119th Street, which is the point of place of beginning.

EXHIBIT C

PROPERTY REHABILITATION STANDARDS AND CONTROLS

Cathedral Parkway

I. GENERAL STATEMENT

These standards have been developed to serve as a basis for rehabilitation of residential and non-residential properties according to the Urban Renewal Plan for Cathedral Parkway. The requirements set forth herein supplement all State and Local codes and ordinances applicable to the regulation and control of building construction and renovation and therefore constitute additional controls and requirements. The rehabilitation of any building under the standards contained herein must also be in



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compliance with all such applicable codes and ordinances. These include but are not limited to:

- a. Chapter 26, Title C Building Code of the Administrative Code of the City of New York;
- b. Chapter 26, Title D the Housing Maintenance Code of the City of New York;
- c. Chapter 713, L. 1929 Multiple Dwelling Law as amended;
- d. Zoning Resolution of The City of New York; 1961 as amended;
- e. Chapter 30, Title B Electrical Code of New York

## II. GENERAL STANDARDS FOR RESIDENTIAL REHABILITATION AND CONSERVATION

All properties designated for rehabilitation and conservation in the Cathedral Parkway Urban Renewal Plan NYR-215 shall comply with the standards set forth in all applicable statutes, codes, and ordinances, as amended from time to time, relating to the use, maintenance, facilities, and occupancy of property. These code standards are hereby incorporated by reference and made part of these property rehabilitation standards.

In addition to compliance with local, statute, codes and ordinance, all properties in the Cathedral Parkway Urban Renewal Area that have been designated by the Urban Renewal Plan shall conform to the following standards.

- a. Properties devoted to residential uses shall be maintained at a level which achieves adequate standards of safety and sanitation.

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- b. Exterior physical characteristics of structures are to be aesthetically pleasing and architecturally consistent with the surrounding neighborhood.
- c. All residential structures shall be structurally sound and of a type and quality of construction to permit healthful long-term occupancy.
- d. All open-space areas shall be appropriately landscaped with trees, grass, and/or shrubs, and shall be provided with all necessary paving, drainage and fencing.
- e. To eliminate conditions which are detrimental to public health safety and general welfare of the community; all facilities necessary for adequate heat, light and plumbing must be provided and maintained. Adequate space for occupants are to be provided in all dwelling units for healthful living conditions.
- f. To prevent unsafe conditions to persons or damage to adjacent structures, potential fire hazards and unsafe yard conditions shall be eliminated.
- g. Adequate and properly buffered off-street parking shall be provided whenever possible. Buffer materials shall consist of decorative fencing or plantings sufficient in height and compactness to adequately screen parking areas from adjacent properties.

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h. All structures containing dwelling units shall have direct access to a public street.

1. Deterioration or failure of material settlement, cracks, holes, leakage inadequate drainage, rodents, insects or other conditions impairing the safety or sanitation of the building shall be repaired, replaced or corrected in a workman-like manner with materials of good quality and reasonable durability.

**III. GENERAL STANDARDS AND CONTROLS FOR NON-RESIDENTIAL REHABILITATION**

A. These standards are to form a basis for rehabilitation of existing commercial semi-public, industrial and public properties, designated in the Urban Renewal Plan. The reference listed below form the controlling standards.

**B. Introduction**

These Standards are to function as a base for rehabilitating non-residential structures of the area that affect the environment. Existing State Construction Laws together with Local Laws and Building Ordinances that apply remain pertinent. Five major references, however, are:

1. N.Y. State Labor Laws
2. Zoning Resolution of The City of New York
3. N.Y.C. Health Code Chap. 22
4. N.Y.C. Electrical Code
5. Building Code of the Administrative Code of The City of New York

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C. Non-Residential Rehabilitation Standards

Rehabilitation standards and requirements are set forth to achieve safe and sound buildings, with all necessary facilities provided in these buildings. These shall be protected from corrosion and decay, resistant to the elements, durable, economically maintainable, of quality workmanship, and of acceptable appearance.

Structural components of a building are to be in sound condition and serviceable for the useful life of the rehabilitated structure. Sagging floors, partitions or stairs, bulging exterior walls, etc. are to be restored to acceptable level plumb position, supported and braced. Individual structural members in a deteriorated condition are to be replaced with sound material. Loose or improper jointing of structural members are to be restored to rigidity.

All buildings and relocation facilities designated in the Urban Renewal Plan for rehabilitation and conservation shall conform with established codes and standards referred to in B above.

All non-residential properties designated in the Urban Renewal Plan for rehabilitation and conservation shall provide for adequately buffered off-street parking and loading whenever possible. Buffer materials shall consist of decorative fencing or plantings sufficient in height and compactness to adequately screen parking areas from adjacent properties. All open space areas shall be appropriately landscaped with trees, grass and/or shrubs, and shall be provided with all necessary paving, drainage, and fencing.

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IV. GENERAL EXCEPTION CLAUSE

Where special site or structural condition may make it impractical to carry out one or more of the minimum requirements listed above without severe hardship, a variance may be granted by the HPD providing that no variance shall be permitted which is less restrictive than applicable codes and ordinances.

V. GENERAL COMPLIANCE CLAUSE

Designated properties failing to comply with the above rehabilitation standards and controls as stated in this Urban Renewal Plan shall be subject to acquisition by The City of New York to insure the elimination of substandard conditions.

VI. GENERAL OBJECTIVES FOR REHABILITATION AND CONSERVATION WITHIN THE CATHEDRAL PARKWAY RENEWAL AREA.

The objectives of rehabilitation within the Cathedral Parkway urban renewal area are generally the same as, but not limited to those outlined in the rehabilitation standards above in Sections I-V. These objectives are accessory to and harmonious with the residential character and legal uses under existing law. The objectives are permissible and desirable in the renewal area; however, they are not legally mandatory under existing laws.

- a. All Properties within the Cathedral Parkway urban renewal area and not specifically designated for rehabilitation or conservation in the urban renewal plan should be maintained at a level which is safe, standard, sanitary and which reflects the residential character of the community.

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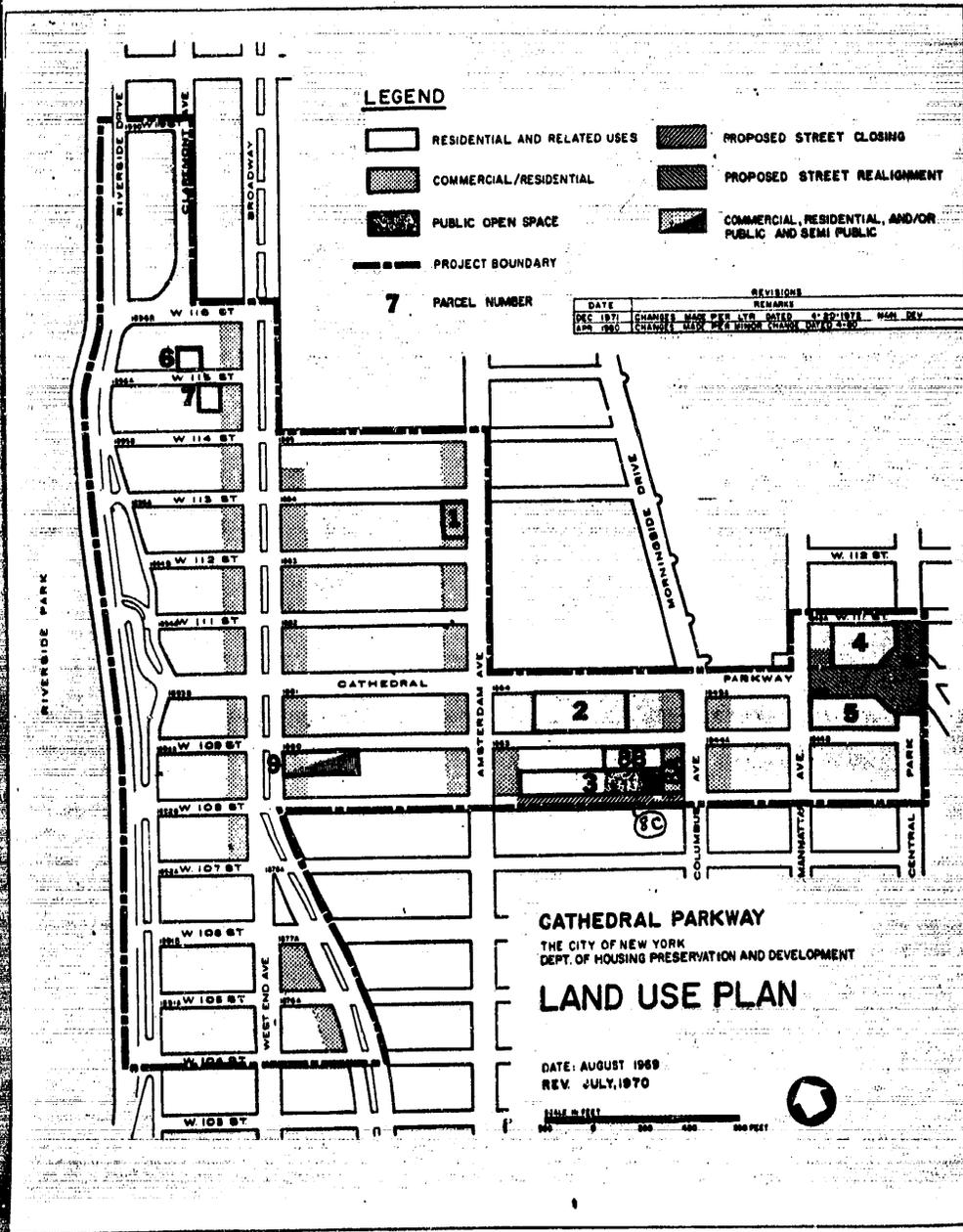
c. Where a property in the urban renewal area is determined by appropriate authorities to be detrimental to the health and safety of its inhabitants, this property is subject to legal proceedings instituted by The City of New York.

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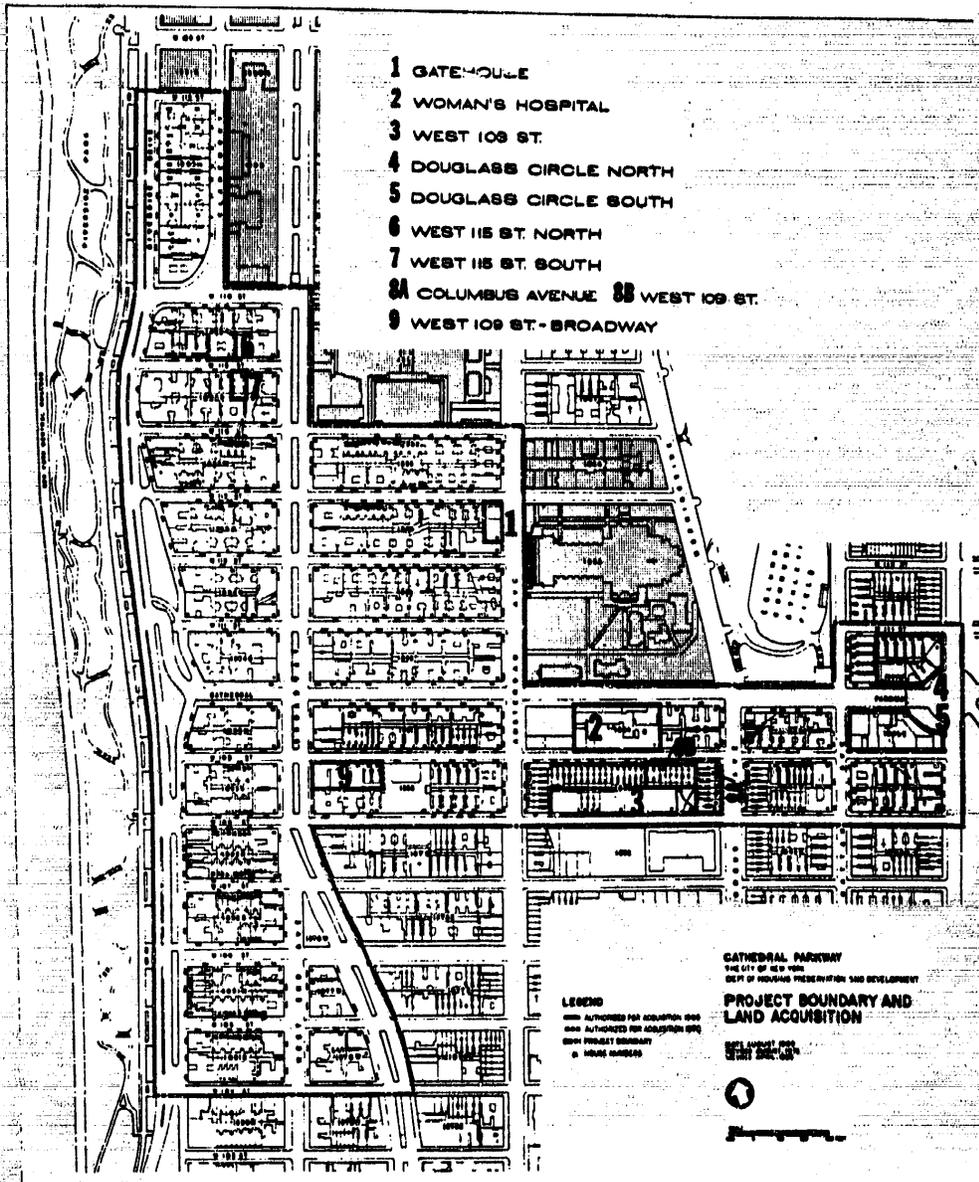
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The condition of the housing stock, although varied, is generally in a state of decline and consists of many deteriorating old law tenements, incompatible and blighting land uses particularly in the eastern and southern portions of the project area.

The Cathedral Parkway Area has many assets to draw upon which give it potential as one of the prime residential areas in New York City.

**SECTION B: OBJECTIVES OF URBAN RENEWAL PLAN**

The Urban Renewal Plan is intended to create a healthy and attractive urban environment by accomplishing the following specific objectives:

- a. To remove structurally substandard and obsolete building types which are not capable of being improved and successfully integrated into the project.
- b. To eliminate blighting influences which are a detrimental effect upon the residential environment.
- c. To provide for a substantial number of housing units of low or moderate cost on land to be disposed of for residential purposes built to high standards of construction and design.
- d. To undertake a rehabilitation program of sound building types which will strengthen the residential quality of the community and preserve its particular distinctive character.
- e. To improve public and semi-public facilities through expansion and new construction where needed and necessary to serve the

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diverse needs of the neighborhood.

- f. To improve shopping and related commercial development by concentrating new facilities in choice locations to serve the residents of the area.
- g. To create off-street parking and loading facilities to serve commercial and residential uses, thereby relieving congestion in the streets.
- h. To improve the appearance of the neighborhood through such measures as landscaping, street improvements, and the provision of street furniture.
- i. To improve additional and improved recreation and park facilities including improvement of Morningside Park.
- j. To encourage good building design including harmonious relationship with existing buildings.
- k. Provision of a more efficient street pattern.
- l. Provision of maximum community participation.
- m. To provide a continuous pedestrian overpass system connecting sites 4 (Block 1846S), Site 5 (Block 1845E) and Central Park in order to maximize the safe public pedestrian flow of Neighborhood Development Program Area residents.

SECTION C: GENERAL LAND USE PLAN1. LAND USE MAP

The Land Use Plan Map, dated August, 1969, Revised April, 1983 shows:

- a. All thorough fares and street rights-of-way; the major streets include: Riverside Drive, Broadway, Amsterdam Avenue, Columbus Avenue, Manhattan Avenue, Central Park West, and Cathedral Parkway.

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## b. Proposed land uses.

2. LAND USE PROVISIONS AND BUILDING REQUIREMENTS

References in this Urban Renewal Plan to the Zoning Resolution refer to the provisions of the Comprehensive Amendment to the Zoning Resolution of the City of New York, as published in the City Record on November 10, 1960 and approved by the Board of Estimate on December 15, 1960, as subsequently amended. In any case in which a specific control of this Urban Renewal Plan conflicts with a provision of the Zoning Resolution, the more restrictive of the two shall govern.

a. Permitted Uses

The uses permitted shall be shown on the Land Use Plan and as specified below. Combinations of various permitted uses for given sites shall be as shown on said Map 2. Any change, alteration, extension, or enlargement of industrial or commercial uses, or of structures on properties shown on the Project Boundary and Land Acquisition Maps, not to be acquired shall be subject to approval by the Housing and Development Administration.

Land Use Plan(1) Residential

Residential uses shall be permitted including appurtenant community facility, recreational and park uses.

Appurtenant community facilities and recreational uses as medical offices, health centers, limited recreational facilities, day care centers and uses of a similar nature. New residential uses to serve families of low and moderate income as determined by the New York City Housing and Development

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Administration will be developed at densities compatible with residential patterns of the area. A minimum of fifty (50) percent of the total housing units to be built on the sites approved for acquisition by the Board of Estimate shall be for occupancy by families of low income in public housing as defined in the Housing Act of 1937 as amended. It is intended that this housing will be built and managed by the New York City Housing Authority.

The Cathedral Parkway Neighborhood Development Program Area shall contain zoning densities ranging from R7 to R10 as defined in the Comprehensive Amendment to the Zoning Resolution of the City of New York. Further study of specific sites may indicate a change from existing zoning if desirable. In these instances, appropriate application will be made to the City Planning Commission for an amendment to the Zoning Resolution.

(2) Commercial Uses

Appropriate accessory and other retail and service commercial uses will be permitted to support residential development in the project area. New Hotels or other structures for transient re-



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idential use are not permitted.

**(3) Public and Semi-Public**

Permitted public and semi-public uses shall be those specified in use groups 3 and 4 of the aforementioned Zoning Resolution. Permitted uses in groups 3 and 4 includes schools, libraries community centers, hospitals, and other essential service uses which can function best in a residential environment and are not objectionable in residential areas. Sites designated to support the above uses will be identified at such time as study of the residential patterns indicate their appropriateness.

**(4) Public Open Space**

Permitted uses shall be for playgrounds or similar open space available for public recreational purposes. Sites will be designated to support the above uses at such time as study of the residential patterns indicate their appropriateness. Site 3 within Cathedral Parkway now supports a community wide playground (Block 1863; Lot 17). It is intended that this playground will be maintained on site or relocated within the boundaries of this redevelopment site and/or adjacent sites. Said relocation is contingent upon authorization by the State Legislature, if required.

**3. PLANNING CRITERIA AND STANDARDS****General:**

The analysis of necessary renewal treatment indicated that a substantial portion of existing dwelling units will be conserved or rehabilitated while clearance will be kept to a minimum. The substantial rehabilitation creates a

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strong base on which to reinforce the residential character of the project area.

a. Proposed Land Use

(1) Residential:

In order to strengthen the residential character of the plan area, re-developed and rehabilitated residential uses and, to the extent possible, appurtenant commercial and community facilities uses, shall be located within the Land Use Plan Area. Moderate and low rent housing will be developed on sites appropriate for clearance and residential development as needed to meet the needs of low and moderate income families in the area.

(2) Commercial Use:

The land use plan proposes to preserve the commercial character existing along Broadway. In appropriate locations in Rehabilitation Areas, existing commercial uses will be permitted to remain and will be encouraged to modernize. Any new residential development will try to incorporate commercial uses where the need is justified.

(3) Public Improvements:

As part of the total development program, public and semi-public and Public Open Space uses will be provided within the project area as necessary to meet the needs of the community and will be located according to the general location criteria provided in section C2a(3) and C2a(4) above.

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**City Wide General Criteria for School Sites**

1. Elementary Schools, minimum of 100,000 square feet.
2. Intermediate to schools, minimum of 120,000 square feet.
3. High Schools, minimum of 10 acres.

Exceptions to the above general criteria are anticipated, particularly in Manhattan, where the scarcity of land and the high site assemblage cost render the above criteria infeasible. It is intended that the standardized criteria, the educational needs of the community and the availability of land will all be considered in proposing any school sites within the Cathedral Parkway Area.

**(4) Circulation System**

The existing functional pattern of streets is generally adequate to meet the circulation needs of the project area. To allow for improved site design, pedestrian and vehicular circulation, certain streets will be modified within the project area in accordance with the appropriate zoning resolution and will take into consideration the objectives of this Plan, community needs, and the policies and requirements of any City agency involved. The closing of West 108th Street beginning 100 feet east of the intersection of Amsterdam Avenue and West 108th Street and extending to Columbus Avenue is proposed in conjunction with the redevelopment of sites 3 and 8.

Anticipated realignments and street closings are shown on the Land Use Plan for Cathedral Parkway.

**General Criteria for Streets:**

1. Local Streets, minimum width of 60' with a 38' roadway
2. A) Major streets, minimum width of 80' with a 50' roadway  
B) Boulevards over 100' have a central mall

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## 2. Acquisition and Clearance

All properties (tax lots) within the project area to be acquired for rehabilitation or for clearance and redevelopment, in compliance with Federal standards, are as shown on Project Boundary and Land Acquisition Map, and are listed in exhibit A.

Land is to be acquired:

- a) to remove substandard conditions;
- b) to remove blighting influences;
- c) to provide land for public improvements or facilities;
- d) to promote historic or architectural preservation;
- e) to provide land for redevelopment; and other plan objectives.

## 3. Special Conditions Under Which Properties Not Designated for Acquisition May be Acquired

A continuous and vigorous enforcement of applicable existing laws, codes and ordinances, and regulations of the City of New York will be in effect and in force in all areas designated as "Not to be Acquired Q". All properties shall be required to meet at least the minimum standards contained in these City codes and ordinances and all applicable laws, codes and regulations of the City and State of New York.



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**SECTION E: LAND DISPOSITION PROVISIONS**

**1. PERMITTED USES**

The uses permitted shall be as shown on the Land Use Plan and as set forth under Section C2 of this Urban Renewal Plan.

**2. CIRCULATION**

A proper relationship between the internal circulation system and major streets, and between proposed uses or buildings and the internal circulation system shall be maintained by means of the following:

- a. Compliance with the provisions of the aforementioned Zoning Resolution governing density, building bulk, off-street parking and loading requirements.
- b. Maximum cooperation with developers on specific design problems which affect the efficiency of the circulation system.
- c. "It is intended that a continuous pedestrian overpass system between sites 4(1846S) site 5 (1845E) and Central Park will be provided to assure safe flow of pedestrians across busy traffic arteries (Central Park West, Cathedral Parkway). This overpass circulation system for public use will be owned and maintained by the City of New York and will form a continuous system with the housing and community facilities proposed on the connected sites."

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3. REDEVELOPER'S OBLIGATIONS

- a. The regulations and controls set forth in Section C hereof, will be implemented, wherever applicable, by appropriate co-venants or other provisions in agreement for land disposition and conveyance, excuted pursuant thereto.
- b. The redevelopers shall devote the land solely to the uses specified in this Urban Renewal Plan.
- c. The redeveloper shall begin and complete the development of the land for the uses required in this Urban Renewal Plan, and the construction of the improvements agreed upon in the respective land disposition contract within a reasonable time, as determined and set forth in the contract between the City of New York and each developer.
- d. The developers of project land shall not sell, lease, or otherwise transfer such land at any time prior to the completion of the redevelopment thereof without the prior

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written consent of the City of New York.

e. No covenant, agreement, lease conveyance or other instrument shall be affected or executed by the City of New York, or by a redeveloper or any of his successors or assigns, whereby land in the project area is restricted upon the basis of race, creed, color, or national origin in the sale, lease, use or occupancy thereof. Appropriate covenants running with the land, which will prohibit any such restrictions, shall be included in the disposition instruments.

f. Site plans, architectural drawings, outline specifications and schedules of materials and finishes for the construction of improvements on the land, all in sufficient detail to permit determination of compliance with the intent and controls of the Urban Renewal Plan and the design and character of proposed construction, shall be submitted for review and approval to the Department of Housing Preservation and Development by each redeveloper prior to commencement of construction. Any material changes proposed after receipt of such approval by the Department of Housing Preservation and Development shall be similarly submitted for review and approval. Final drawings shall be submitted to the Department of Housing Preservation and Development after construction for final approval of compliance.

4. LOW AND MODERATE COST HOUSING:

See Section C (2) (a) (1) above.

5. Underground Utility Lines:

Existing overhead telephone and electric lines in the redevelopment area are to be removed and relocated underground.

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6. STATEMENT OF URBAN DESIGN OBJECTIVES (See Section B above).7. DURATION OF LAND USE PROVISIONS AND BUILDING REQUIREMENTS

The foregoing land use provisions and building requirements shall remain in effect for a period of forty (40) years from the date of approval of the Urban Renewal Plan by the Board of Estimate of The City of New York, except as provided in Section G hereunder.

SECTION F: OTHER PROVISIONS TO MEET STATE AND LOCAL REQUIREMENTS

The following statement is set forth to indicate compliance with Article XV of the General Municipal Law of The State of New York and, more particularly, Section 502, subdivision 7 thereof:

1. STATEMENT OF PROPOSED LAND USES

See Section C of this Urban Renewal Plan

2. PROPOSED LAND ACQUISITION, DEMOLITION AND REMOVAL OF STRUCTURES

See Section D of this Plan

3. PROPOSED METHODS OR TECHNIQUES OF COMMUNITY DEVELOPMENT

See Section D of this Plan

4. AIR-RIGHTS DEVELOPMENT - None proposed5. PROPOSED PUBLIC, SEMI-PUBLIC, PRIVATE OR COMMUNITY FACILITIES OR UTILITIES - See Section C and D of this Urban Renewal Plan6. PROPOSED NEW CODES AND ORDINANCES AND AMENDMENTS TO EXISTING

CODES AND ORDINANCES - No new codes or ordinances are required to effectuate this Urban Renewal Plan; however, amendments to the existing Zoning Regulation for portions of the project are anticipated

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STATE OF NEW YORK )  
                          ) SS.:  
COUNTY OF NEW YORK )

On this 26<sup>th</sup> day of August, 1986, before me personally came TERRENCE MOAN, to me known and known to me to be the Deputy Commissioner of the Department of General Services In Charge of the Division of Real Property of the City of New York and the same person who executed the foregoing instrument, and he acknowledged that he executed the foregoing instrument on behalf of The City of New York as said Deputy Commissioner of the Department of General Services in Charge of the Division of Real Property and pursuant to authority vested in him by resolution of the Board of Estimate adopted on the 14th day of August, 1986 (Cal. No. 6).

*Beverly Mullings*  
NOTARY PUBLIC

BEVERLY MULLINGS  
Commissioner of Deeds  
City of New York No. 2-9013  
Commission Expires Jan. 1, 1987

STATE OF NEW YORK )  
                          ) SS.:  
COUNTY OF NEW YORK )

On this 27<sup>th</sup> day of August, 1986, before me personally came CARLOS CUEVAS with whom I am personally acquainted and known to me to be the City Clerk of the City of New York, who being by me duly sworn, did depose and say that he resides at 750 Kappock Street, Bronx, New York 10463; that he is the City Clerk of The City of New York, the corporation described in which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed as provided by law, and that he signed his name thereto as City Clerk by like authority.

*Norma Lopez*  
NOTARY PUBLIC

NORMA LOPEZ  
Commissioner of Deeds  
City of New York - No. 3-2101  
Certificate Filed in Bronx County  
Commission Expires Feb. 1, 1987

STATE OF NEW YORK )  
                          ) SS.:  
COUNTY OF NEW YORK )

On this 26<sup>th</sup> day of Sept., 1986, before me personally came Louisa R. Terui, to me known, who being by me duly sworn, did depose and say that he resides at 382 C.W. NY NY 10025; and (s)he is the President of Valley Lodge Housing Development Fund Corporation the corporation described in, and which executed the foregoing instrument; that (s)he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed as by order of the Board of Directors of said corporation and that (s)he signed his/her name thereto by like order.

*Martin N. McCarthy*  
Notary Public

MARTIN N. MCCARTHY  
Notary Public, State of New York  
No. 81-471777  
Qualified in New York County  
Commission Expires March 30, 1987



*John*

REEL 1124 PG 393

CITY REGISTER N.Y. COUNTY  
1986 OCT -2 PM 2:51

M-25730

THE CITY OF NEW YORK

to

*[Handwritten signature]*

001\*  
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VALLEY LODGE HOUSING  
DEVELOPMENT FUND CORPORATION

SEP  
STATEMENT FILED

30801 DEED

The property affected by the written instrument withins

*None*  
REAL ESTATE  
OCT 2 1986  
TRANSFER TAX  
NEW YORK  
COUNTY

The Borough of Manhattan:  
County of New York

Tax Block: 1863, Lot(s): 10

Premises: *11+10*

LOG. VER.  
BY TAX MAP

*[Handwritten signature]*

145-149 W. 108<sup>th</sup> Street

Record and Return to:

Barbara Roslyn, Esq.  
Department of Housing  
Preservation and  
Development  
100 Gold Street, Rm. 9110  
New York, New York 10038

REC: *A-54*

SBT # *im*

R 7566

TPT #

*Y-141*

OFFICE OF CITY REGISTER  
New York County  
RECORDED  
Witness my hand  
and official seal  
*[Signature]*  
CITY REGISTER



At a Special Term, Part VI, for the Hearing of Condemnation Proceedings of the Supreme Court of the State of New York, First Judicial District, held in and for the County of New York, at the New York County Court House, in the Borough of Manhattan, City of New York, on the 25<sup>th</sup> day of June, 1971.

P R E S E N T :

HON. BIRDIE AMSTERDAM  
J u s t i c e .

-----x  
In the Matter of the Application of The City of New York relative to acquiring title in fee simple absolute to real property required for a project known as

FINAL  
DECREE

THE CATHEDRAL PARKWAY URBAN RENEWAL PROJECT,  
STAGE 2  
within the area generally bounded by Claremont Avenue, West 116th Street, Broadway, West 114th Street, Amsterdam Avenue, Cathedral Parkway, Manhattan Avenue, West 111th Street, 8th Avenue Central Park West, West 108th Street, Broadway, West 104th Street, Riverside Drive and West 119th Street, Borough of Manhattan, City of New York, situated within the Cathedral Parkway Urban Renewal Area.

-----x

The City of New York having heretofore made application to this Court for an order authorizing the condemnation of the real property acquired in the above entitled proceeding and directing that the compensation to the owners of the said real property be determined by this Court without a jury, and said application having been granted by an order of this Court dated December 30, 1969, and entered in the office of the Clerk of the County of New York on the same day; and pursuant to the approval of the Deputy Mayor of The City of New York dated November 25, 1969 (Certificate No. N.D.P-5), title to the real property acquired herein vested in The City of New York on the date of the entry of the order granting the City's application to condemn, to wit: December 30, 1969; and four similar surveys, diagrams, maps or plans of the real property acquired having

11845  
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13, 14, 15, 16, 17,  
18, 19

been prepared and filed upon which was stated the amount or valuation at which each parcel of real property acquired had been assessed for purposes of taxation on the City Tax Rolls for each of the three years preceding the date of the selection of such property; and one of such surveys, diagrams, maps or plans having been duly filed in the office of the agency submitting the departmental estimate, the second in the office of the Corporation Counsel, the third in the office of the Register of the County of New York, and the fourth in the office of the Commissioner of Real Estate; and the Corporation Counsel having duly filed in the office of the Clerk of the County of New York a notice of the pendency of this proceeding, describing the property affected and the persons interested therein, all pursuant to the statutory provisions applicable thereto; and thereafter the Corporation Counsel having caused to be published in the City Record, a corporation newspaper, the notice required by statute, requiring the owners of the property acquired to serve and file their claims and to submit proof of title in the manner prescribed by law; and claims having been filed herein and proofs of title having been submitted to the Corporation Counsel by various parties and persons; and the Corporation Counsel having duly served all parties or attorneys for said purpose appearing with a Note of Issue, designating the County of New York as the County in which the trial of said proceeding should be had; and the proceeding having been regularly brought on for trial before Hon. Birdie Amsterdam, one of the Justices of this Court, at Special Term, Part VI, for the Hearing of Condemnation Proceedings, held in the County of New York, at the New York County Court House, in the Borough of Manhattan, City of New York, on November 9, 1970 adjourned and continued from time to time and concluded on

December 17, 1970, and The City of New York and various claimants having appeared upon the trial in person or by counsel; and the Court having heard the allegations and proofs of the claimants and of The City of New York, and the arguments of counsel; and the Justice presiding at the trial having viewed the property acquired, and the Court after considering the proofs and testimony of The City of New York and the claimants herein, having directed the preparation of the Tentative Decree herein in instructions contained in its decision dated February 9, 1971; and the Corporation Counsel having made a Tentative Decree dated April 12, 1971, containing an estimate of the compensation which should justly be made to the owners of and the persons interested in said property; and the said Justice having annexed to said Tentative Decree, a copy of the Damage Map of the property prepared for and used by the Court upon the trial; and each and every parcel of land having been designated in said Tentative Decree by a Damage Parcel number with reference to said Damage Map; and the names of the owners of and persons interested in said lands and premises, so far as the same could be ascertained, having been stated in the said Tentative Decree, together with the maps annexed thereto having been duly filed in the office of the Clerk of the County of New York on April 12, 1971, for the inspection of whomsoever it might concern; and the Corporation Counsel of The City of New York having caused to be published in the City Record the notice required by statute of such filing of said Tentative Decree, and that objections thereto by any party aggrieved might be filed and served in the manner prescribed by law; and objections thereto pursuant to said notice, having been filed by various parties and persons; and objections having duly come on to be heard before this Court at Special Term, Part VI, for the Hearing

of Condemnation Proceedings on May 13, 1971, concluded on the same day,

N O W, on reading the objections filed by the various claimants and The City of New York; and on reading the testimony, proofs and evidence taken upon the trial, which were filed together with said Tentative Decree; and the Court having heard the arguments of the various parties and counsel herein upon the aforesaid hearing of such objections; and the Court having directed the preparation of the Final Decree herein in instructions contained in its Memorandum decisions dated June 8 and 16th, 1971; it is

ORDERED, ADJUDGED AND DECREED, that the following objections hereby allowed to the extent herewith indicated:

<u>DAMAGE PARCEL NO.</u>	<u>TENTATIVE AWARD</u>	<u>FINAL AWARD</u>
5 & 7	\$302,600 (less \$100. for Gore)	\$302,500.
6	Fixture	7,500.

and the Corporation Counsel is directed to include a fixture award for Damage Parcel No. 2 to the Gulf Oil Company- U.S. a division of Gulf Oil Corporation in the sum of \$900.00, the filing of the tentative decree was waived, pursuant to Chapter 821 of the Laws of 1960, all as more fully shown in the tabular abstract of awards; and it is further

ORDERED, ADJUDGED AND DECREED, that all objections filed herein be and the same hereby are in all respects overruled; and it is further

ORDERED, ADJUDGED AND DECREED, that the amounts set opposite the respective damage parcels in the column headed "FINAL AWARDS," in the tabular abstract annexed to and made part of this Final Decree, amounting in the aggregate to the sum of Two Million, Five Hundred Ninety Thousand, Eight Hundred Seventy Five Dollars and No Cents....\$2,590,875.00

constitute and are the just compensation which the respective owners of said damage parcels are entitled to receive from The City of New York for the taking of the property in this proceeding, which amounts have been ascertained and determined as of December 30, 1969, the date of vesting of title in The City of New York; and it is further

ORDERED, ADJUDGED AND DECREED, that each of the awards as set forth in the said tabular abstract is subject to all taxes, assessments, water rates and other lawful charges due and unpaid and a lien on the property acquired herein on December 30, 1969; and it is further

ORDERED, ADJUDGED AND DECREED, that pursuant to Chapter 1055 Laws of 1960, the owner of a condemned parcel of real property herein who has paid taxes, water rates, sewer rents or other lawful charges covering a period subsequent to the vesting of title therein in The City of New York, shall be reimbursed therefor in the sum which is allocable to the period subsequent to the vesting of title; and it is further

ORDERED, ADJUDGED AND DECREED, that the Comptroller of The City of New York, upon payment of any of the awards herein to the Director of Finance of The City of New York as required by law, shall deduct from such awards all unpaid taxes, assessments, water rates and other lawful charges which are liens upon said awards, and upon making such payment to the Director of Finance of The City of New York The City of New York shall be discharged from any and all liability in respect to said awards so paid.

ENTER IN NEW YORK COUNTY

*Bruce Amsterdam*

J. S. C.

28 June 1971

Supreme Court  
NO FEE - ORIGINAL

Index No. 42704 ..... 8482  
Year 19..... 69

NEW YORK SUPREME COURT  
NEW YORK COUNTY

**NO CHARGE**

In the Matter of acquiring title to THE CATHEDRAL PARKWAY URBAN RENEWAL PROJECT, STAGE 2 within the area bounded by Claremont Ave., West 116th St., etc., in the Borough of Manhattan, City of New York, situated within the Cathedral Parkway Urban Renewal Area.

**RECORD AND FILE**

FINAL DECREE

*Do not mail*

**J. LEE RANKIN,**  
Corporation Counsel,  
Attorney for.....

*J. Lee Rankin*  
Municipal Building,  
New York, N. Y. 10007

Due and timely service of a copy of the within is hereby admitted.

New York, ..... 19.....

Attorney for

To  
*E 14,00*

Attorney for ..... Esq.,

CT  
(3)

*Kindly index against the following.*

*B. DeLoach* 18 APR 19 9 42 AM '69  
184 CITY REGISTER - N.Y. COUNTY  
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13, 14, 15, 16, 17, 18, 19.

OFFICE OF CITY REGISTER  
New York County  
RECORDED  
Witness my hand  
and official seal

*Victoria M. Rivera*  
CITY REGISTER

*Yours Truly*  
*J. Lee Rankin*  
*By Abraham Feder*

**103-107 and 143-159 West 108th Street**

103-107 and 143-159 West 108th Street  
New York, NY 10025

Inquiry Number: 4298005.6  
May 18, 2015

# The EDR Property Tax Map Report

## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

## NO COVERAGE

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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# **103-107 and 143-159 West 108<sup>th</sup> Street**

**NEW YORK, NEW YORK**

**TAX BLOCK 1863, LOTS 5, 10, 13, AND 26**

---

## **Phase II Environmental Site Investigation Report**

**OER Project Number: 16TMP0258Q**

**AKRF Project Number: 22304**

**Prepared for:**

New York City Office of Environmental Remediation  
100 Gold Street, 2<sup>nd</sup> Floor  
New York, NY 10038

**Prepared by:**



**AKRF, Inc.**  
440 Park Avenue South  
New York, NY 10016  
212-696-0670

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**SEPTEMBER 2016**  
**REVISED JANUARY 2017**

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## LIST OF ACRONYMS

Acronym	Definition
ACM	Asbestos-Containing Material
AGV	Air Guideline Value
AOC	Area of Concern
AST	Aboveground Storage Tank
AWQS	Class GA Ambient Water Quality Standards
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
GPS	Global Positioning System
HASP	Health and Safety Plan
IDW	Investigation-Derived Waste
LBP	Lead-Based Paint
MEK	Methyl Ethyl Ketone
$\mu\text{g}/\text{m}^3$	Micrograms Per Cubic Meter
$\mu\text{g}/\text{L}$	Micrograms Per Liter
mg/kg	Milligrams Per Kilogram
MS/MSD	Matrix Spike/Matrix Spike Duplicate
Msl	Mean Sea Level
NTU	Nephelometric Turbidity Units
NYCDOB	New York City Department of Buildings
NYCOER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethylene
PID	Photoionization Detector
Ppm	Parts Per Million
PVC	Polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
REC	Recognized Environmental Concern
RRSCO	Restricted Residential Soil Cleanup Objective
SIR	Site Investigation Report
SCO	Soil Cleanup Objective
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
USCO	Unrestricted Soil Cleanup Objective
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

## CERTIFICATION

I, Marc Godick, L.E.P., am a Qualified Environmental Professional (QEP), as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of this Phase II Environmental Site Investigation for 103-107 and 143-159 West 108<sup>th</sup> Street. I am responsible for the content of this Site Investigation Report, have reviewed its contents, and certify that this report is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.



Marc S. Godick, LEP

1-13-2017

---

Qualified Environmental Professional

Date

Signature

## EXECUTIVE SUMMARY

The Phase II Environmental Site Investigation Report (SIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The site investigation described in this document is consistent with applicable guidance.

### Site Location and Current Usage

The Site is identified as Block 1863, Lots 5, 10, 13, and 26 on the New York City Tax Map. Figure 1 shows the Site location. The Property consists of two discontinuous parcels between Columbus and Amsterdam Avenues, fronting West 108<sup>th</sup> Street with a public park between the two parcels totaling approximately 37,845 square feet. A map of the Site boundary is shown in Figure 2.

Currently, the buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are utilized as parking garages and 145-149 West 108<sup>th</sup> Street as an emergency senior citizen shelter. The Site is surrounded primarily by commercial and residential, with numerous new commercial and/or residential buildings under construction.

### Summary of Past Uses of Site and Areas of Concern

AKRF's October 2015 Phase I Environmental Site Assessment (ESA) indicated that historical uses of the Site included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac service facility at 143 West 108<sup>th</sup> Street. It is also possible that vehicle maintenance activities were conducted at 151-159 West 108<sup>th</sup> Street. Petroleum storage tanks were identified on historical maps at three of the four lots: two gasoline storage tanks at 103-107 West 108<sup>th</sup> Street in 1951, three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005, and four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005.

The following Recognized Environmental Concerns (RECs), identified during the Phase I ESA, were considered Areas of Concern (AOCs) for this investigation:

1. Potential underground storage tanks (USTs) and former aboveground storage tanks (ASTs) were noted as follows:
  - a. 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gasoline tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial basement of the 103-107 West

- 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
- b. 143 West 108<sup>th</sup> Street – Historical Sanborn maps identified three 550-gallon gasoline USTs at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator, Mr. Schoemberg, indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
  - c. 145-149 West 108<sup>th</sup> Street – New York City Department of Buildings (NYCDOB) records identified an oil burner permit dated 1958.
  - d. 151-159 West 108<sup>th</sup> Street – Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During Site reconnaissance, gauges for four tanks were observed. Mr. Schoemberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
2. Historical uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac service facility at 143 West 108<sup>th</sup> Street, based on Sanborn Maps and interviews. Based on Sanborn Maps and interviews, there is also a potential for prior use as vehicle maintenance at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the basement floor or where the vehicle maintenance may have been performed.
  3. Chemical and material storage noted during inspections including: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five-gallon containers of silicone coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue on the top located in the basement of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the Site.
  4. A sump with unconfirmed discharge point was observed in the basement of 143 West 108<sup>th</sup> Street building in the southeastern portion of the Site.
  5. Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.
  6. Suspect asbestos-containing material (ACM) and lead-based paint (LBP) are likely

present in building materials. These materials are expected to be addressed separately and prior to any remedial action in accordance with applicable federal, state, and local regulations and are not discussed in this SIR.

### **Summary of the Work Performed under the Phase II Environmental Site Investigation**

The following activities were performed as part of the Phase II Environmental Site Investigation:

1. Conducted a geophysical survey and utility mark-outs;
2. Installed 17 soil borings throughout the Site and collected 22 soil samples from the borings for chemical analysis;
3. Installed eight temporary soil vapor monitoring points throughout the Site and collected eight soil vapor samples from the points and one ambient air sample for chemical analysis; and
4. Installed three groundwater monitoring wells in basements throughout the Site, and collected three groundwater samples from the wells for chemical analysis.

### **Summary of Hydrogeological Findings**

The following geologic and hydrogeologic conditions were noted by the investigation for the Site:

1. Elevation of the Site ranges from approximately 90 to 105 feet above mean sea level (msl), sloping slightly down toward the east.
2. Groundwater elevation ranged between 84 and 89 feet (North American Vertical Datum of 1988) at the Site.
3. Groundwater flow is generally easterly beneath the Site.
4. Depth to apparent bedrock at the Site varied from approximately 5 to 22 feet below basement grade.
5. The stratigraphy of the Site, from the surface down, consists of up to 7 feet of historic fill comprising sand, silt, brick, and concrete, underlain by native soil consisting of fine to medium sand, silt, followed by weathered bedrock.

### **Summary of Environmental Findings**

1. The results of the soil sampling completed during the investigation showed volatile organic compounds (VOCs) were detected in 12 of the 22 soil samples, as well as in

QA/QC samples including two blind duplicates, two trip blanks and the two associated aqueous field blanks. The VOCs 1,2-dichlorobenzene, 1,2-dichloroethane, acetone, carbon disulfide, cyclohexane, ethylbenzene, isopropylbenzene, and o-xylene were detected in one or more of the soil samples. Benzene (0.13 milligrams per kilogram (mg/kg)), M,p-xylene (0.41 mg/kg), and Toluene (1.5 mg/kg) exceeded their respective Unrestricted Use SCOS. No VOCs were detected at concentrations exceeding the RRSCOs.

Up to 18 semi-volatile organic compounds (SVOCs) were detected in all 22 soil samples with a maximum total SVOC concentration of 28 mg/kg. SVOCs exceeding the USCOs and RRSCOs included benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene (3.1 mg/kg), dibenz(a,h)anthracene (0.63 mg/kg), and indeno(1,2,3-c,3')pyrene (2.5 mg/kg). Chrysene (2.3 mg/kg) and benzo(k)fluoranthene (1.1 mg/kg) were detected above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were at concentrations below both the USCOs and RRSCOs.

A review of the analytical results indicates that up to 22 of the 23 TAL metals analyzed were detected in all 22 soil samples analyzed. Nine metals, including arsenic (max of 18.5 mg/kg), barium (max of 421 mg/kg), copper (max of 88.5 mg/kg), cadmium (max of 6.3 mg/kg), hexavalent chromium (1.9 mg/kg in W108-SB-12 (0-2)), lead (max. of 1,990 mg/kg), mercury (max. of 0.46 mg/kg), nickel (max. of 38.7 mg/kg), and zinc (max. of 679 mg/kg), exceeded their respective USCOs.

Up to four pesticides were detected in four of the 22 soil samples. Dieldrin (0.0088 mg/kg), 4,4'-DDT (maximum concentration of 0.019 mg/kg), 4,4'-DDD (maximum estimated concentration of 0.0051 mg/kg) and 4,4'-DDE (at 0.0052 mg/kg) exceeded their respective USCO. No pesticides exceeded their respective RRSCOs in any samples. There were no detections of polychlorinated biphenyls (PCBs), with the exception of an estimated concentration of 0.057 mg/kg in W108-12(0-2), which is below the USCO and RRSCO for PCBs.

The results of the groundwater sampling showed that only one VOC, isopropylbenzene, was detected at a concentration of 17 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the AWQS of 5  $\mu\text{g/L}$ . Six SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, were detected at concentrations above their respective AWQS in groundwater samples. The metals manganese and sodium were detected above the AWQS in all

- three dissolved samples. These metals are indicative of groundwater quality in Manhattan. No PCBs or Pesticides were detected in the groundwater samples.
6. The results of the soil vapor sampling showed up to 27 VOCs were detected in the 8 samples. No VOCs were detected above the air guideline values (AGVs) established by the New York State Department of Health (NYSDOH). PCE was detected in six of the eight soil vapor samples at a maximum concentrations of 29 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), below the AGV of  $30 \mu\text{g}/\text{m}^3$ . TCE was not detected in any of the soil vapor samples. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to  $1,400 \mu\text{g}/\text{m}^3$ . Other solvent-related VOCs [including acetone, chloroform, and methyl ethyl ketone (MEK)] were detected at concentrations up to  $73 \mu\text{g}/\text{m}^3$ . Low level VOC concentrations were also noted in the ambient air sample.
  7. The investigation findings identified the presence of petroleum contamination, in both the western portion of the Site (151-159 West 108<sup>th</sup> Street) and the eastern portion of the Site (103-107 West 108<sup>th</sup> Street) likely attributed to former on-site uses. Stained soil and high photoionization detector (PID) readings were observed, and the New York State Department of Environmental Conservation (NYSDEC) was notified and Spill Numbers 1603624 and 1603667 to 151-159 West 108<sup>th</sup> Street and 103-107 West 108<sup>th</sup> Street, respectively. While elevated PID readings were observed at the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed such as staining, odors, or elevated VOC and SVOC analytical results.

A draft Supplemental Phase II investigation plan has been developed in consultation with OER. This plan will be implemented after OER obtains approvals from NYSDEC. A remediation action plan should be prepared in conjunction with the Site redevelopment plans to address any residual petroleum contamination, soil excavation and stockpiling, soil disposal and transportation; groundwater handling/treatment; dust control; and contingency measures should petroleum storage tanks or other contamination be unexpectedly encountered. The plan should also include measures for worker and community health and safety monitoring/protection during remedial activities requiring ground disturbance, including personal protective equipment, dust control, air monitoring, and emergency response procedures.

# PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

AKRF prepared this Phase II Environmental Site Investigation (ESI) Report (SIR), on behalf of the New York City Office of Environmental Remediation (NYCOER), for the 103-107 and 143-159 West 108<sup>th</sup> Street properties in New York, NY (Site). This SIR summarizes the nature and extent of contamination identified during the investigation performed on July 11 through July 14 and July 29, 2016. The goal of this SIR was to determine whether past onsite and offsite activities have adversely affected the Site. Investigation activities were conducted in accordance with the Site-Specific: 1) Phase II Environmental Site Investigation Work Plan (Work Plan); 2) Health and Safety Plan (HASP) outlining the safety procedures to be employed to protect on-site personnel and the public during the site work; and 3) Quality Assurance Project Plan (QAPP) that describes the protocols and procedures that will be followed during the implementation of the Work Plan, all prepared in March 2016. The USEPA approved the Work Plan, HASP, and QAPP in June 2016.

## 2.0 BACKGROUND

### 2.1 Site Description

The Site is located at 103-107 and 143-159 West 108<sup>th</sup> Street in Manhattan, New York and is identified as Tax Block 1863, Lots 5, 10, 13, and 26. The approximate 37,845-square feet Site consists of two discontinuous parcels separated by a public park. The buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are utilized as parking garages, and 145-149 West 108<sup>th</sup> Street is utilized as an emergency senior citizen shelter. The Site is bordered by: West 108<sup>th</sup> Street followed by the Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue to the east; mixed-use retail and residential followed by Amsterdam Avenue to the west; and residential buildings followed by West 109<sup>th</sup> Street to the north.

### 2.2 Previous Environmental Investigations

Available information about the Site status and history was limited to a Phase I Environmental Site Assessment (ESA) conducted by AKRF in October 2015. The Phase I ESA identified several on-site conditions that may have affected the Site. The Site was occupied prior to 1902 by dwellings at 143-159 West 108<sup>th</sup> Street, and a paints and storage building at 103-107 West 108<sup>th</sup> Street. The historical buildings were demolished at various times between 1902 and

1920, with the exception of the building at 145 West 108<sup>th</sup> Street, which was demolished around 1980. The current buildings located at 103-107 West 108<sup>th</sup> Street, and 149-159 West 108<sup>th</sup> Street were constructed circa 1951.

Historical uses of the Site included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac service facility at 143 West 108<sup>th</sup> Street. It is also possible that vehicle maintenance activities were conducted at 151-159 West 108<sup>th</sup> Street. Petroleum storage tanks were identified on historical maps at three of the four lots: two gasoline storage tanks at 103-107 West 108<sup>th</sup> Street in 1951, three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005, and four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005.

The surrounding area was mixed-use throughout its history, with mostly commercial and residential uses, some auto-related uses and factories in the mid-20<sup>th</sup> century, and some educational uses in the middle and late 20<sup>th</sup> century. Land uses in the surrounding area with the potential to affect subsurface conditions beneath the Site included factories, a paint and storage facility, auto repair, and garages and filling stations with gasoline underground storage tanks (USTs), including a historic gasoline tank noted in the current park between the Site lots.

No known assessments of the overall on-site soil, groundwater, or soil vapor had been conducted. Based on the historical and potential on-going presence of petroleum on the Site, it is possible that Site soil, groundwater, and/or soil vapor have been impacted as a result of historic operations.

### **2.3 Areas of Concern**

The following Recognized Environmental Concerns (RECs), identified during the Phase I ESA, were considered Areas of Concern (AOCs) for this investigation:

1. Potential USTs and former aboveground storage tanks (ASTs) were noted as follows:
  - a. 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gasoline tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial basement of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
  - b. 143 West 108<sup>th</sup> Street – Historical Sanborn maps identified three 550-gallon gasoline USTs at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator, Mr. Schoemberg, indicated fill ports were previously located in the middle of the

- first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
- c. 145-149 West 108<sup>th</sup> Street – New York City Department of Buildings (NYCDOB) records identified an oil burner permit dated 1958.
  - d. 151-159 West 108<sup>th</sup> Street – Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During Site reconnaissance, gauges for four tanks were observed. Mr. Schoemberg indicated fill ports were previously located in the middle of the first floor leading to the basement of each building. Mr. Schoemberg was unaware of tank closure or removal.
2. Historical uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac service facility at 143 West 108<sup>th</sup> Street, based on Sanborn Maps and interviews. There is also a potential for historic vehicle maintenance activities at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the basement floor or where the vehicle maintenance may have been performed.
  3. Chemical and material storage noted during inspections including: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five-gallon containers of silicone coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue on the top located in the basement of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the Site.
  4. A sump with an unconfirmed discharge point was observed in the basement of the 143 West 108<sup>th</sup> Street building in the southeastern portion of the Site.
  5. Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.
  6. Suspect asbestos-containing material (ACM) and lead-based paint (LBP) are likely present in building materials. These materials are expected to be addressed separately and prior to any remedial action in accordance with applicable federal, state, and local regulations and are not discussed in this SIR.



### **3.0 PROJECT MANAGEMENT**

The following personnel conducted the Phase II ESI at the Site.

#### **3.1 Project Director**

The project director was responsible for the general oversight of all aspects of the project, including scheduling, budgeting, data management, and decision-making regarding the field program. The project director communicated regularly with all members of the AKRF project team and NYCOER, to ensure a smooth flow of information between involved parties. Marc Godick, LEP served as the project director for this project.

#### **3.2 Project Manager**

The project manager was responsible for directing and coordinating all elements of the Work Plan. They prepared reports and participate in meetings with the contractors, client, the USEPA, and/or NYCOER. Deborah Shapiro served as the project manager for this project.

#### **3.3 Alternate Project Manager**

The alternate project manager was responsible for directing and coordinating all elements of the Work Plan in the absence of the project manager. They prepared reports and participate in meetings with the contractors, client, the USEPA, and/or NYCOER. Kenneth Wiles served as the alternate project manager for this project.

#### **3.4 Field Team Leader**

The field team leader was responsible for supervising the daily sampling and health and safety activities in the field and ensured adherence to the Work Plan and HASP. They reported to the Project Manager or Alternate Project Manager on a regular basis regarding daily progress and deviations from the Work Plan. The field team leader is a qualified, responsible person, able to act professionally and promptly during investigation activities. Elizabeth Matamoros served as the field team leader for this project.

#### **3.5 Project Quality Assurance/Quality Control Officer**

The Quality Assurance/Quality Control (QA/QC) Officer was responsible for adherence to the QAPP. They reviewed the procedures with all personnel prior to commencing any fieldwork and, if necessary, conducted periodic site visits to assess implementation of the procedures. The QA/QC officer was also responsible for reviewing analytical data reports and associated QA/QC sampling data. Stephen Malinowski, QEP,

served as the QA/QC officer for this project.

### **3.6 Laboratory Quality Assurance/Quality Control Officer**

The laboratory QA/QC officer was responsible for quality control procedures and checks in the laboratory and ensuring adherence to laboratory protocols. They tracked the movement of samples from the time they are checked in at the laboratory to the time that analytical results are issued. They conducted a final check on the analytical calculations and signed off on the laboratory reports. Ray Frederici of TestAmerica Laboratories, Inc. (TestAmerica) of Edison, New Jersey served as the laboratory QA/QC officer. TestAmerica performed soil, groundwater, and soil vapor laboratory analyses.

## 4.0 SITE INVESTIGATION ACTIVITIES

The following activities were performed as part of the Phase II ESI:

1. Conducted a geophysical survey and utility mark-outs;
2. Installed 17 soil borings throughout the Site and collected 22 soil samples from the borings for chemical analysis;
3. Installed eight temporary soil vapor monitoring points throughout the Site and collected eight soil vapor samples from the points and an ambient air sample for chemical analysis; and
4. Installed three groundwater monitoring wells in basements throughout the Site, and collected three groundwater samples from the wells for chemical analysis.

A map showing the locations of the soil borings, groundwater monitoring wells, temporary soil vapor monitoring points, and ambient air sample is provided as Figure 2. A photographic log of the fieldwork activities is provided as Appendix A. All field work was recorded in a field log book.

### 4.1 Geophysical Survey and Utility Mark-Outs

On July 11, 2016, a geophysical survey was conducted throughout the Site, by Enviroprobe Service, Inc. (Enviroprobe) of Mount Laurel, New Jersey, to clear the proposed drilling locations for subsurface utilities and to locate other potential buried structures. The geophysical survey included both electromagnetic and ground penetrating radar methods. Linear anomalies consistent with underground utilities were identified and marked with spray paint. No anomalies were identified. A geophysical survey report was prepared by Enviroprobe and is attached in Appendix B.

Utility mark-outs are required by law. Cascade Technical Services, LLC (Cascade) of Lynbrook, New York, the drilling subcontractor, called Dig Safely New York at least three days prior to the start of intrusive work.

### 4.2 Soil Boring Installation

Seventeen soil borings were advanced throughout the Site between July 11 and July 14, 2016 by Cascade. A limited access retrofitted track-mounted direct-push probe unit was used to advance 14 soil borings in accessible basement areas and one exterior location of the Site. The remaining three boring locations were inaccessible for the drill rig and were advanced with a hand auger. Soil borings were advanced to bedrock refusal or the soil/groundwater interface, whichever occurred first and ranged from approximately 2 to 16 feet below grade. Seven borings

were advanced within the basement of the parking garage located at 151-159 West 108<sup>th</sup> Street (SB-1, SB-2, SB-3, SB-4, SB-13, SB-14 and SB-15); one boring was advanced in the basement (SB-6) and one boring (SB-5) was advanced in the exterior portion of 145-149 West 108<sup>th</sup> Street; four borings were advanced in the basement of the parking garage located 143 West 108<sup>th</sup> Street (SB-7, SB-8, SB-9, and SB-10); and two borings were advanced in the partial basement (SB-12 and SB-12B) and two boring were advanced in the first floor of the parking garage located 103-107 West 108<sup>th</sup> Street (SB-11 and SB-12C). At many of the boring locations, due to shallow refusal, multiple attempts were advanced to reach target depths and in pursuit of groundwater, by stepping out approximately 5 feet from the initial location. The boring locations were established throughout the Site to achieve coverage and investigate the AOCs.

Soil cores were obtained using a stainless steel, macro-core sampler with an internal acetate liner. Soil cores were field-screened using a photoionization detector (PID), which measures relative concentrations of volatile organic compounds (VOCs) in the soil. The PID was calibrated at the beginning of each field day with 100 parts per million (ppm) isobutylene calibration gas. At each boring location, AKRF field personnel recorded and documented subsurface conditions.

Boring logs were prepared by an AKRF environmental scientist and are attached in Appendix C. Soil cores from the borings were obtained continuously and were screened for evidence of contamination using both visual inspection and a calibrated PID. Petroleum-like odors and elevated PID readings in soil headspace were noted in soil samples collected from borings SB-1, SB-2, SB-13, SB-14, and SB-15 in the basement of 151-159 West 108<sup>th</sup> Street (PID readings ranged from 10.3 ppm to 450 ppm), and in SB-12B in the basement of 103-107 West 108<sup>th</sup> Street (PID readings ranged from 36.9 ppm to 227 ppm). Elevated PID readings (ranging from 10 ppm to 407 ppm), but no odors were noted in soil borings SB-8, SB-9, and SB-10 in the basement of 143 West 108<sup>th</sup> Street. Detailed results of soil screening are recorded on the boring logs. The soil boring locations were surveyed using the Global Positioning System (GPS) upon their completion.

#### **4.3 Well Installation**

After the completion of the soil sampling, three permanent one-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells (MW-4, MW-6, and MW-8) were installed within the boreholes of borings SB-4, SB-6 and SB-8 on July 13 and 14, 2016. Each well was constructed with pre-packed, 0.020-inch slotted well screen installed inside the direct-push casing. The wells were furnished with a locking well cap and a flush-mounted well cover. Monitoring Well logs were prepared by an AKRF environmental scientist and are attached in

## Appendix C.

Following installation, each well was developed by pumping and surging in order to remove accumulated fines and establish a hydraulic connection with the surrounding aquifer. Wells were developed until turbidity was less than 50 nephelometric turbidity units (NTUs) for three successive readings and until water quality indicators stabilized to within 10% for pH, temperature, and specific conductivity for three successive readings, or until at least three well volumes were purged from the well. Well development logs are included in Appendix D.

Following installation, each monitoring well was surveyed by Gallas Surveying Group, LLC of North Brunswick, New Jersey, a New York State licensed surveyor, to determine their accurate location and elevation. A copy of the survey is included in Appendix E.

### **4.4 Soil Vapor Probe Installation**

On July 11, 2016, eight temporary soil vapor monitoring points (SV-1 through SV-8) were installed by Cascade. The soil vapor monitoring points were installed by advancing a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch long stainless steel screened drive point 6 inches below the slab. Dedicated Teflon-lined polyethylene tubing with threaded fittings was connected to the probe. The hollow probe rod was then removed and the boring was backfilled with clean silica sand. Hydrated bentonite was used to fill the remaining void around the sampling tubing to ground surface.

### **4.5 Sample Collection and Chemical Analysis**

Soil, groundwater, and soil vapor have been sampled and evaluated in this report. The sampling performed and presented in this report provides a basis for evaluation of subsurface Site conditions and potential remedial action. All samples were analyzed by TestAmerica, a NYSDOH certified laboratory, with Category B deliverables. Sample containers were labeled and placed in an ice-filled cooler and shipped to the laboratory, along with SUMMA canisters, via courier with appropriate chain of custody documentation.

#### **4.5.1 Soil Sampling**

Twenty-two soil samples were collected for chemical analysis during this investigation. Two soil samples were collected for analysis if the boring was advanced to at least 5 feet below grade, and the water table was greater than 5 feet below grade; otherwise, only one soil sample was selected. The two soil samples were collected from the 0 to 2 feet below grade interval and the two-foot interval exhibiting evidence of contamination. In the absence of contamination, one sample was collected directly above the bedrock or soil/groundwater interface. Soil samples collected were analyzed for target compound list (TCL) VOCs according to USEPA Method

8260, TCL semi-volatile organic compounds (SVOCs) according to USEPA Method 8270, target analyte list (TAL) metals according to USEPA Methods 6020, hexavalent chromium according to USEPA Method 7196, mercury according to USEPA Method 7471, pesticides according to USEPA Method 8081, and polychlorinated biphenyls (PCBs) according to USEPA Method 8082.

Soil sample data is reported in Table 1 through Table 4, including analytical results, dates of collection, and sample depths.

#### **4.5.2 Soil Vapor Sampling**

Eight soil vapor samples and one ambient air sample were collected for chemical analysis during this investigation as described in Section 4.4. All soil vapor samples were collected from 6 inches below the basement slab. Prior to collection, each soil vapor monitoring point was purged of three sample volumes using a peristaltic pump at a flow rate of approximately 0.1 liters/minute. During purging, an inverted one-gallon plastic bucket was placed over each soil vapor monitoring point and helium gas was introduced through a small hole in the bucket to saturate the atmosphere around the sample port with helium gas. Purged vapors were collected in a Tedlar bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points passed the seal integrity tests with helium readings being measured at less than 10%. PID readings were recorded at all sample locations. One soil vapor monitoring point (W108-SV-1) had a reading of 102 ppm, while the remaining had readings ranging from 2.0 to 22.3 ppm.

After purging, each vapor monitoring point was connected via Teflon-lined polyethylene tubing to a laboratory-supplied 6-liter SUMMA canister equipped with a flow regulator set to collect a sample over a two-hour sampling period. One ambient air sample (W108-AA-1-20160711) was collected in the courtyard outside 145-149 West 108<sup>th</sup> Street in a 6-liter SUMMA canister for an approximately two-hour sampling period. The ambient air sample was collected concurrently with the soil vapor samples to establish background conditions and for comparison purposes. Immediately after opening the flow control valve, the initial SUMMA canister vacuum (inches of mercury) was noted. After two hours, the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory. Soil vapor samples collected were analyzed for VOCs according to USEPA Method TO-15.

Soil vapor sample analytical data is reported in Table 5. Soil vapor sampling logs are included in Appendix F. Methodologies used for soil vapor assessment conform to the *New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion, October 2006*.

### 4.5.3 Groundwater Sampling

On July 29, 2016, two weeks after well installation, one groundwater sample was collected from each well using low-flow purging and sampling methods based on the procedures described in the USEPA's Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers (USEPA 542-S-02-001). The samples were collected and containerized in accordance with The New York State Department of Environmental Conservation (NYSDEC)/USEPA protocols. The groundwater samples were analyzed for TCL VOCs according to USEPA Method 8260, TCL SVOCs according to USEPA Method 8270, and total and dissolved TAL metals according to USEPA Methods 6020, pesticides according to USEPA Method 8081, and PCBs according to USEPA Method 8082.

Groundwater sample analytical data is reported in Table 6 through Table 9. Well sampling logs are provided in Appendix G.

### 4.5.4 Chemical Analysis

Chemical analytical work has been performed under a quality assurance program that includes the following:

<b>Factor</b>	<b>Description</b>
Quality Assurance Officer	The chemical analytical QA/QC was directed by Stephen Malinowski, of AKRF.
Third Party Data Validator	The third-party data validation was performed by Lori Beyer of L.A.B. Validation Corp.
Chemical Analytical Laboratory	Chemical analytical laboratory used in this investigation was TestAmerica (Edison, New Jersey; Burlington, Vermont; and Pittsburgh, Pennsylvania) NYS Environmental Laboratory Approval Program (ELAP) certified laboratories.
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> <li>• TCL VOCs by USEPA Method 8260C (rev. 2006);</li> <li>• TCL SVOCs by USEPA Method 8270D (rev. 2007);</li> <li>• TAL Metals by USEPA Method 6020A (rev. 1998)</li> <li>• Hexavalent Chromium by USEPA Method 7196A (rev. 1992);</li> <li>• Mercury by USEPA Method 7471B (rev. 1998);</li> <li>• Pesticides by USEPA Method 8081B (rev. 2000);</li> <li>• PCBs by USEPA Method 8082A (rev. 2000).</li> </ul> <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> <li>• TCL VOCs by USEPA Method 8260C (rev. 2006);</li> <li>• TCL SVOCs by USEPA Method 8270D (rev. 2007);</li> <li>• TAL Metals by USEPA Method 6020A (rev. 1998) (total and dissolved);</li> <li>• Pesticides by USEPA Method 8081B (rev. 2000);</li> </ul>

	<ul style="list-style-type: none"> <li>• PCBs by USEPA Method 8082A (rev. 2000).</li> </ul> Soil vapor and ambient air analytical methods: <ul style="list-style-type: none"> <li>• VOCs by USEPA Method TO-15.</li> </ul>
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#### 4.5.5 Quality Assurance/Quality Control Sampling

QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures were used (1) to document that samples are representative of actual conditions at the Site and (2) to identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process.

QA/QC sampling consisted of the following:

- two soil blind duplicate samples;
- two soil matrix spike/matrix spike duplicate (MS/MSD) samples;
- one groundwater blind duplicate sample;
- one groundwater MS/MSD sample;
- three aqueous trip blank samples;
- three aqueous field blank samples;
- one ambient air sample.

QA/QC samples were submitted with the accompanying collected soil, groundwater, and soil vapor samples. The field blanks, duplicate soil and groundwater samples, and MS/MSDs were analyzed for the same analyte list as the accompanying soil and groundwater samples. The trip blank samples were submitted for laboratory analysis for TCL VOCs by USEPA Method 8260. The ambient air sample was submitted for VOCs by USEPA Method TO-15.

The third-party data validation was performed by L.A.B. Validation Corporation of East Northport, New York and reported in Data Usability Summary Reports (DUSRs) for soil, groundwater, and air/soil vapor laboratory analytical data sets (Appendix H). No significant issues were identified in the DUSRs. The data validator identified additional qualifiers for specific compounds for specific samples. These qualifiers have been added to the data summary tables provided as Table 1 through Table 9. The data sets were determined to be acceptable for use with the additional data qualifiers. The changes included the addition of a “J” qualifier indicating that the contaminant detections in the samples were considered estimated values, or in

several cases, change to a “UJ” qualifier indicating the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. In addition, a “R” qualifier was added to the non-detects in W108-SB-3 (0-2) for non-recoverable 1,1,2,2-tetrachloroethane, and for 2,4-dinitrophenol based on a <10% recovery for the MS/MSD analysis. The “R” qualifier indicates that the sample results were rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria; the presence or absence of the analyte cannot be verified. For the blind duplicate W108-SB-X (3-4) = W108-SB-2 (3-4), different results were reported likely due to different levels of methanol extraction. Detections of ethylbenzene, isopropylbenzene, xylenes, and toluene were rejected in the field duplicate. The DUSR recommends the results of the parent sample be utilized for decision making purposes. For SVOCs, non-detect acid compounds and 2,4,6-tribromophenol in W108-SB-1 (5-7) and W108-SB-12C (0-2) were rejected with an “R” qualifier as sufficient surrogate recovery was not achieved. As these are not specific contaminants of concern, the presence of an “R” qualifier did not have a significant impact on the findings of the investigation.

No compounds in the groundwater or soil vapor samples were qualified with an “R;” and “J” and “UJ” qualifiers were added as appropriate and shown in the tables.

Methylene chloride, acetone, and 2-butanone were detected in low concentrations in the soil field blank. Methylene chloride was detected in low concentrations in the groundwater field blank. Methylene chloride and acetone were detected in the method blank, and methylene chloride was detected in the trip blanks. Methylene chloride detections were negated for samples collected on corresponding days. Acetone was not negated as no field blank was generated on the day detections in samples were noted. 2-Butanone was not detected in any field samples. These compounds are common laboratory contaminants and their presence is not likely indicative of a compromise of on-site decontamination. No other VOCs or SVOCs were detected in the trip and field blanks.

#### **4.5.6 Results of Chemical Analyses**

Chemical analyses data, inclusive of data validation, for soil, groundwater, and soil vapor are summarized in Table 1 through Table 9, respectively. Laboratory data deliverables for all samples evaluated in this investigation are provided in digital form in Appendix H.

#### **4.5.7 Management of Investigation Derived Waste and Disposal**

Investigation-derived waste (IDW), including purged groundwater, was generated during the investigation. All IDW was containerized in a DOT-approved 55-gallon drum. The drum was sealed at the end of each work day and labeled with the date, the well or boring number, the type

of waste (i.e., development water, purge water) and the name of an AKRF point-of-contact.

One drum containing IDW remained labeled, sealed, and secured inside one of the Site building on a continuous basis during completion of the remedy until shipment for off-site disposal was completed. Sampling results were shared with the disposal facility. Waste characterization data, the correspondence and manifest documentation associated with the transportation and off-site disposal of IDW is included as Appendix I.

## **5.0 ENVIRONMENTAL EVALUATION**

### **5.1 Geological and Hydrogeological Conditions**

#### **5.1.1 Stratigraphy**

Soil observed in the borings during the investigation consisted primarily of sand, silt, and clay with varying amounts of gravel. Historic fill was observed and contained sand, silt, asphalt, brick, ceramic, paper, plastic and concrete. The fill layer was underlain in some areas by apparently native soil of fine to medium sand, silt, clay, gravel, and weathered bedrock. Suspect contamination (e.g., PID readings, staining, and odors) was observed in borings SB-1, SB-2, SB-4, SB-13, SB-14, and SB-15 within the basement of the parking garage at 151-159 West 108<sup>th</sup> Street; SB-8, SB-9, and SB-10 within the basement of the parking garage at 143 West 108<sup>th</sup> Street; and in SB-12B within the partial basement at 103-107 West 108<sup>th</sup> Street. Multiple shallow refusals, potentially large cobbles or bedrock, were encountered in soil borings across the Site.

#### **5.1.2 Hydrogeology**

Groundwater during this investigation was measured approximately 10 feet below sidewalk grade along West 108<sup>th</sup> Street in previously installed geotechnical wells GT-1 and GT-2; 3 feet below basement grade in MW-4; 6 feet below basement grade in MW-6; and one foot below basement grade in MW-8. Groundwater was not encountered in the all borings due to refusal/apparent bedrock. No monitoring wells were installed at the easternmost lot (103-107 West 108<sup>th</sup> Street), as groundwater was not encountered. Based on the well survey and static water level measurements taken 10 days following well development, the inferred groundwater flow direction is easterly. The groundwater elevation at the Site was measured to range between 84.18 feet and 89.20 feet (North American Vertical Datum of 1988). As the wells were installed in a straight line (east-west), there could also be northerly or southerly components to flow. Actual groundwater flow at the Site can be affected by many factors including geology, past/current pumping of groundwater in the vicinity, past filling activities, subsurface openings or obstructions such as basements, underground parking garages or underground utilities, and other factors beyond the scope of this study. Groundwater in Manhattan is not used as a source of drinking water. A groundwater elevation contour map is provided as Figure 3.

### 5.1.3 Spill Discovery and Notification

Evidence of petroleum contamination (e.g., odors, elevated PID readings, stained soil) was noted in the borings (SB-1, SB-2, SB-4, SB-13, SB-14, and SB-15) advanced in the western part of the Site (151-159 West 108<sup>th</sup> Street), with a maximum PID reading of 450 ppm in SB-2. Stained soil was observed in the vicinity of boring locations SB-1 and SB-2. The NYSDEC Spill Hotline was notified of the spill discovery on July 13, 2016, and Spill Number 1603624 was provided.

Subsequent to spill reporting, three delineation borings (SB-13 through SB-15) were advanced to delineate the extent of the observed contamination in the known vicinity of the former gasoline tanks. PID readings with a maximum of 130 ppm were noted in the SB-13. No borings were advanced beyond 7 feet below ground surface due to refusal, and no monitoring wells were able to be installed. Borings SB-13 through SB-15 are shown on Figure 2.

Additionally, evidence of petroleum contamination (e.g., odors, elevated PID readings, stained soil) was noted in the boring SB-12B advanced in the eastern part of the Site (103-107 West 108<sup>th</sup> Street). PID readings of up to a maximum of 227 ppm were noted in SB-12B. The NYSDEC Spill Hotline was notified of this second spill discovery on July 14, 2016, and Spill Number 1603667 was provided. Copies of the NYSDEC Spill Incidents database are provided in Appendix J.

While elevated PID readings were observed at the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed such as staining, odors, or elevated VOC and SVOC analytical results.

## 5.2 Soil Chemistry

Twenty-two soil samples were collected for laboratory analysis from borings SB-1 through SB-15. Soil sample analytical results were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (USCOs) listed in 6 NYCRR Subpart 375. Analytical results were also compared to the NYSDEC Restricted Residential Use Soil Cleanup Objectives (RRSCOs) as a conservative measure in the event redevelopment of the Site is residential.

A summary table of data for chemical analyses performed on soil samples is included in Table 1 through Table 4 and sampling locations are shown on Figure 2. A map depicting exceedances of the USCOs and/or RRSCOs in soil is provided as Figure 4.

### 5.2.1 Volatile Organic Compounds in Soil

A review of the analytical results indicates that VOCs were detected in 12 of the 22 soil

samples, as well as in two trip blanks and the two associated aqueous field blanks. The VOCs 1,2-dichlorobenzene, 1,2-dichloroethane, acetone, carbon disulfide, cyclohexane, ethylbenzene, isopropylbenzene, and o-xylene were detected in one or more of the soil samples. Benzene was detected at an estimated 0.13 milligrams per kilogram (mg/kg) in soil sample W108-SB-2(0-2), which is slightly above its USCO of 0.06 mg/kg, but below its RRSCO of 4.8 mg/kg. M,p-xylene exceeded its USCO in two soil samples at concentrations of 0.41 mg/kg in W108-SB-2(0-2) and 0.35 mg/kg in W108-SB-2(3-4) slightly above its USCO of 0.26 mg/kg but well below the RRSCO of 100 mg/kg. Toluene exceeded its USCO of 0.7 mg/kg in one sample W108-SB-2(0-2) at a concentration of 1.5 mg/kg, but was well below its RRSCO of 100 mg/kg. No VOCs were detected at concentrations exceeding the RRSCOs. Soil VOC results are summarized in Table 1.

### 5.2.2 Semivolatile Organic Compounds in Soil

A review of the analytical results indicates that up to 18 SVOCs were detected in all 22 soil samples with a maximum total SVOC concentration of 28 mg/kg in soil sample W108-SB-5(0-2), located in the garden area adjacent to 145-149 West 108<sup>th</sup> Street. SVOCs exceeding the USCOs and RRSCOs were detected in soil sample W108-SB-5(0-2), including benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene (3.1 mg/kg), dibenz(a,h)anthracene (0.63 mg/kg), and indeno(1,2,3-c,3)pyrene (2.5 mg/kg). Chrysene (2.3 mg/kg) and benzo(k)fluoranthene (1.1 mg/kg) were detected in soil sample W108-SB-5(0-2) above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were at concentrations below both the USCOs and RRSCOs. Soil SVOC results are summarized in Table 2.

### 5.2.3 Metals (including Hexavalent Chromium) in Soil

A review of the analytical results indicates that up to 22 of the 23 TAL metals analyzed were detected in all 22 soil samples analyzed. A total of nine metals, including arsenic (max of 18.5 mg/kg), barium (max of 421 mg/kg), copper (max of 88.5 mg/kg), cadmium (max of 6.3 mg/kg), hexavalent chromium (1.9 mg/kg in W108-SB-12 (0-2)), lead (max. of 1,990 mg/kg), mercury (max. of 0.46 mg/kg), nickel (max. of 38.7 mg/kg), and zinc (max. of 679 mg/kg), exceeded their respective USCOs. Concentrations of metals exceeding RRSCOs included arsenic in sample W108-SB-1(5-7) at a concentration of 18.5 mg/kg (the RRSCO is 16 mg/kg); barium in sample W108-SB-5(0-2) at a concentration of 421 mg/kg (RRSCO is 400 mg/kg); cadmium in sample W108-SB-12(0-2) at a concentration of 6.3 mg/kg (RRSCO is 4.3 mg/kg); and lead in samples W108-SB-5(0-2) and W108-SB-12(0-2) at concentrations of 456 mg/kg and 1,990 mg/kg (RRSCO is 400 mg/kg), respectively.

No evidence of metals contamination was noted during the soil sampling activities. Based

on their nature and distribution, the detected concentrations of metals in all of the samples analyzed are either naturally occurring or likely attributable to historic fill. Soil metals results are summarized in Table 3.

#### **5.2.4 Polychlorinated Biphenyls and Pesticides in Soil**

A review of the laboratory analytical results indicates that PCBs were not detected in the soil samples, with the exception of an estimated concentration of 0.057 mg/kg in soil sample W108-12(0-2), which is below the USCO and RRSCO. Four pesticides were detected throughout 4 of the 22 soil samples. Dieldrin exceeded the USCO in one sample, W108-SB-5(0-2) at a concentration of 0.0088 mg/kg (USCO is 0.005 mg/kg). P,P'-DDT exceeded its USCO in three samples [W108-SB-5(0-2), W108-SB-5(8-10), W108-SB-12(0-2)] with a maximum concentration of 0.019 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDD exceeded its USCO in three samples [W108-SB-1(0-2), W108-SB-5(0-2), W108-SB-12(0-2)] with a maximum estimated concentration of 0.0051 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDE exceeded its USCO in W108-SB-5(0-2) with an estimated concentration of 0.0052 mg/kg (USCO is 0.0033 mg/kg). No pesticides exceeded their respective RRSCOs in any samples. Soil sample results for PCBs and pesticides are listed in Table 4.

### **5.3 Groundwater Chemistry**

Results from groundwater samples were compared to NYSDEC Class GA Ambient Water Quality Standards (AWQS) (drinking water standards), although groundwater is not used as a potable source in Manhattan. Table of data for chemical analyses performed on groundwater samples is included in Table 6 through Table 9 and sampling locations are shown on Figure 2. A map depicting exceedances of the AWQS in groundwater is provided as Figure 5.

#### **5.3.1 Volatile Organic Compounds in Groundwater**

VOCs were detected in well W108-MW-4, and the corresponding blind duplicate sample W108-MW-X of a total concentration of approximately 400 µg/L. None to negligible levels of VOCs were W108-MW-6 and W108-MW-8. One VOC, isopropylbenzene, was detected in W108-MW-4 and W108-MW-X at a concentration of 17 micrograms per liter (µg/L), exceeding the AWQS of 5 µg/L. The results of the groundwater sampling indicated no other VOCs were detected at concentrations exceeding the AWQS. Analytical results for VOCs are summarized in Table 6.

#### **5.3.2 Semivolatile Organic Compounds in Groundwater**

SVOCs were detected in samples from all three wells. The SVOCs benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-c,d)pyrene were

detected at estimated concentrations of 0.10 µg/L, 0.20 µg/L, 0.074 µg/L, 0.11 µg/L and 0.079 µg/L, respectively, in the groundwater sample collected from MW-6, which exceeded the AWQS of 0.002 µg/L for these compounds. The SVOC benzo(a)pyrene was detected at an estimated concentration of 0.069 µg/L, and also exceeded the AWQS of non-detect for this compound in MW-6. The SVOC bis(2-ethylhexyl)phthalate was detected at estimated concentrations of 17 µg/L, 7.6 µg/L, and 14 µg/L from the samples collected from wells MW-4, MW-6, and MW-8, which exceeded the AWQS of 5 µg/L. These compounds are most likely attributable to historic fill material at the Site and are not indicative of a release. Groundwater sample results for SVOCs are listed in Table 7.

### 5.3.3 Metals in Groundwater

Seventeen metals were detected in the unfiltered groundwater samples (total metals analysis) and nine metals were detected in the filtered samples (dissolved metals analysis). Five total metals: iron, lead, magnesium, manganese, and sodium; and three dissolved metals: magnesium, manganese, and sodium were detected above their respective AWQS.

In general, concentrations of metals were reduced in the filtered samples suggesting that some of the metals concentrations were due to the presence of sediment/soil particles in the samples entrained in the samples, resulting in overestimation of actual groundwater concentrations. The metals were detected above AWQS in the dissolved samples are typical of groundwater quality in the Manhattan. Analytical results for metals are presented in Table 8.

### 5.3.1 PCBs and Pesticides in Groundwater

A review of the laboratory analytical results indicates that PCBs and pesticides were not detected in the groundwater samples. Analytical results for PCBs and pesticides are presented in Table 9.

## 5.4 Soil Vapor Chemistry

Concentrations of VOCs detected in the soil gas samples were compared to the NYSDOH 2006 Guidance for Evaluating Soil Vapor Intrusion air guideline values (AGVs) and matrices, the September 2013 NYSDOH Fact Sheet update for Tetrachloroethylene (PCE), and the August 2015 NYSDOH Fact Sheet update for Trichloroethene (TCE). These values provide a means of comparison; however, since the AGVs reflect indoor air conditions, the comparison assumes that any soil vapor detected would completely penetrate into the building, a condition that does not typically occur. In addition, AGVs have only been established for four VOCs [methylene chloride, 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), and PCE] and matrices have only been established for carbon tetrachloride, PCE, 1,1,1-TCA, TCE, vinyl chloride, 1,1-dichloroethene, and cis-1,2-dichloroethene.

A review of the soil vapor sample analytical results identified 27 VOCs [1,1,1-trichloroethane, 1,1-dichloroethane, 1,2,4-trimethylbenzene, 1,2-dichloroethane, 1,3,5-trimethylbenzene, 1,3-butadiene, 2,2,4-trimethylpentane, 2-hexanone, 4-ethyltoluene, acetone, benzene, carbon disulfide, chloroform, cyclohexane, dichlorodifluoromethane, ethylbenzene, m,p-xylene, methyl ethyl ketone (MEK), methyl isobutyl ketone, n-heptane, n-hexane, o-xylene, styrene, tert-butyl alcohol, PCE, toluene, and trichlorofluoromethane] were detected throughout the 8 samples. PCE was detected in six of the eight soil vapor samples at concentration of 2.3  $\mu\text{g}/\text{m}^3$  to 29  $\mu\text{g}/\text{m}^3$ , below the AGV of 30  $\mu\text{g}/\text{m}^3$ . TCE was not detected in any of the soil vapor samples. None of the compounds with established AGVs were detected above their respective AGVs. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to 1,400 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Other solvent-related VOCs [including acetone, chloroform, MEK] were detected at concentrations up to 73  $\mu\text{g}/\text{m}^3$ .

Low level VOC concentrations were noted in the ambient air sample. These VOCs, MEK, n-hexane, and toluene, were detected at concentrations below the soil vapor concentrations, are not included in the NYSDOH matrices, and are not likely to be related to Site contamination.

A summary table of data for chemical analyses performed on soil vapor and ambient air samples is included in Table 5. Figure 2 shows the location of the soil vapor samples. A map depicting detections of VOCs in soil vapor and ambient air is provided as Figure 6.

## 5.5 Conclusions

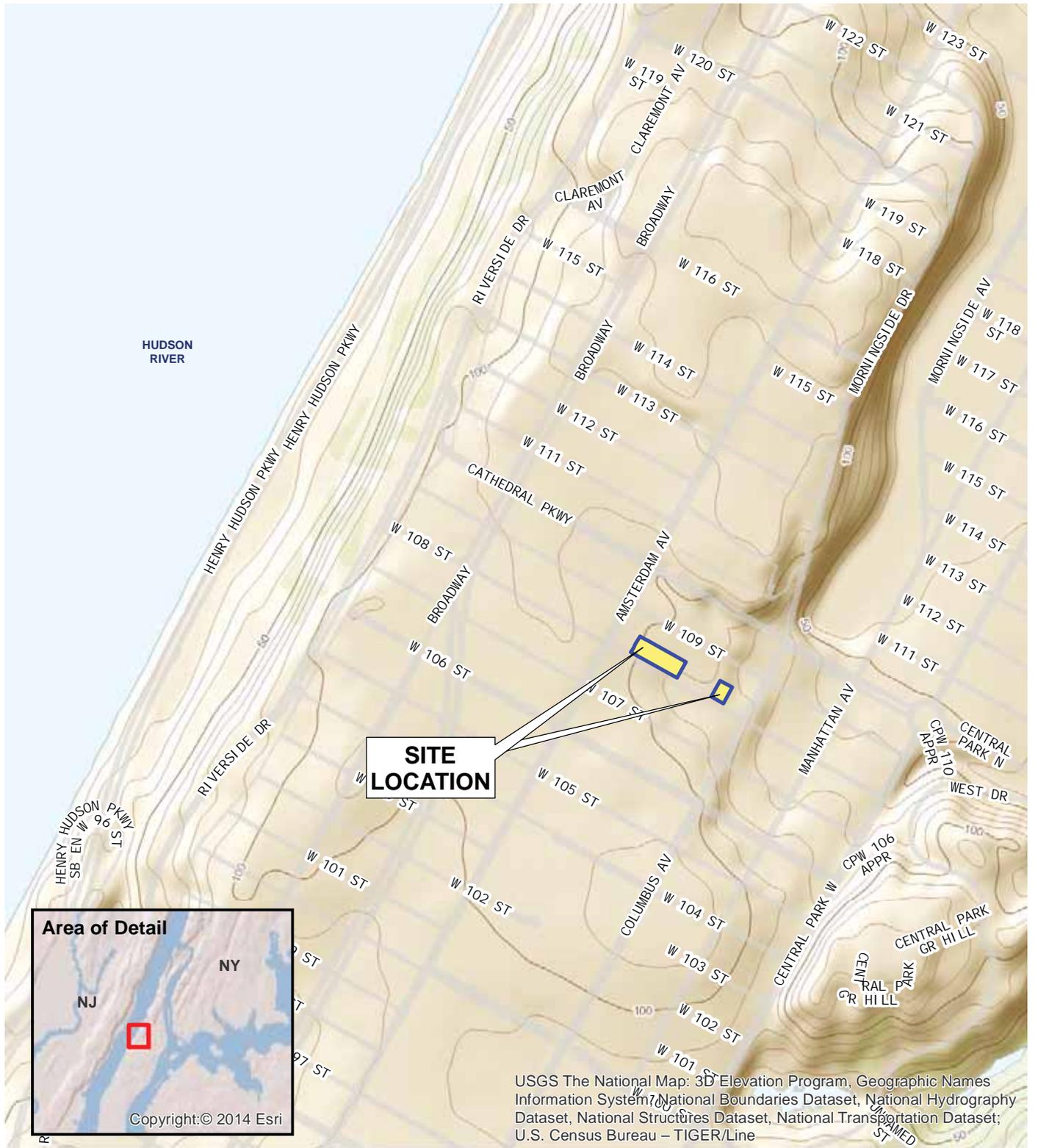
Based on an evaluation of the data and information from the investigation, contaminated soil, groundwater, and soil vapor was identified at the Site. Based on field observations, two petroleum spills were reported to NYSDEC during the investigation (Spill Numbers 1603624 and 1603667). As some detections in soil samples exceeded USCOs and few exceeded RRSCO, in the vicinity of the spills, field observations were likely of weathered petroleum material associated with a historic release. Many of the SVOCs and metals were identified in the shallow fill and are typical of historic fill. Metals exceedances in groundwater samples are likely attributed to entrained sediment in the samples. While no soil vapor concentrations exceeded the AGVs, elevated petroleum-related soil vapor concentrations were noted in all samples. Evidence of staining and detections in soil, groundwater, and soil vapor, are likely attributed to both historic fill and historic uses of the Site, including petroleum storage and maintenance operations within the garages. Prior to any soil disturbance or change in land use, including redevelopment

of the Site, additional investigation and/or remedial activities corresponding to the work are recommended.

Spill investigation and/or remediation plans should be developed and implemented under the oversight of NYSDEC and OER. In addition to any spill remediation required by NYSDEC, a remedial action work plan (under the City VCP) should be prepared in conjunction with the Site redevelopment plans to address any residual petroleum contamination, soil excavation and stockpiling, soil disposal and transportation; groundwater handling/treatment; dust control; and contingency measures should petroleum storage tanks or other contamination be unexpectedly encountered. The plan should also include measures for worker and community health and safety monitoring/protection during remedial activities requiring ground disturbance, including personal protective equipment, dust control, air monitoring, and emergency response procedures.

A draft Supplemental Phase II Investigation plan has been developed with OER. OER will take this plan to NYSDEC and get approvals. A copy of this work plan is included as an appendix in the Remedial Action Plan. This draft plan will be implemented after approvals are obtained.

## FIGURES



**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SITE LOCATION**



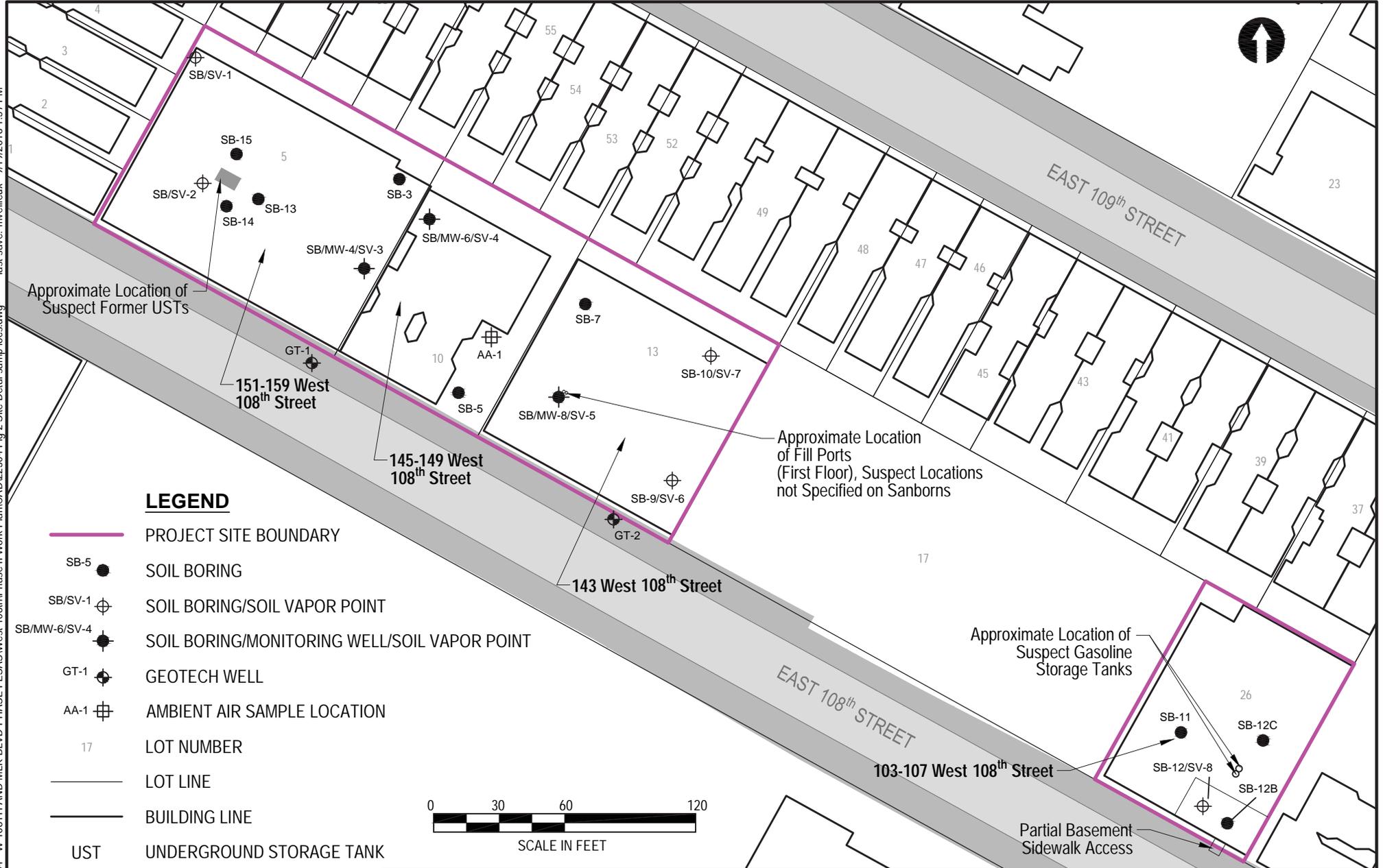
**Environmental Consultants**  
440 Park Avenue South, New York, N.Y. 10016

DATE  
**9/19/2016**

PROJECT No.  
**22304**

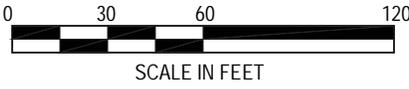
FIGURE  
**1**

© 2016 AKRF, Inc. W:\Projects\22304 - W 108TH AND MLK BLVD PHASE I ESAS\West 108th\Phase II Work Plan\CAD\22304 Fig 2 Site Detail\_samp locs.dwg last save: mveilleux 9/19/2016 1:57 PM



**LEGEND**

- PROJECT SITE BOUNDARY
- SB-5 SOIL BORING
- SB/SV-1 SOIL BORING/SOIL VAPOR POINT
- SB/MW-6/SV-4 SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GT-1 GEOTECH WELL
- AA-1 AMBIENT AIR SAMPLE LOCATION
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE
- UST UNDERGROUND STORAGE TANK



**103-107 and 143-159 West 108<sup>th</sup> Street**  
 New York, New York

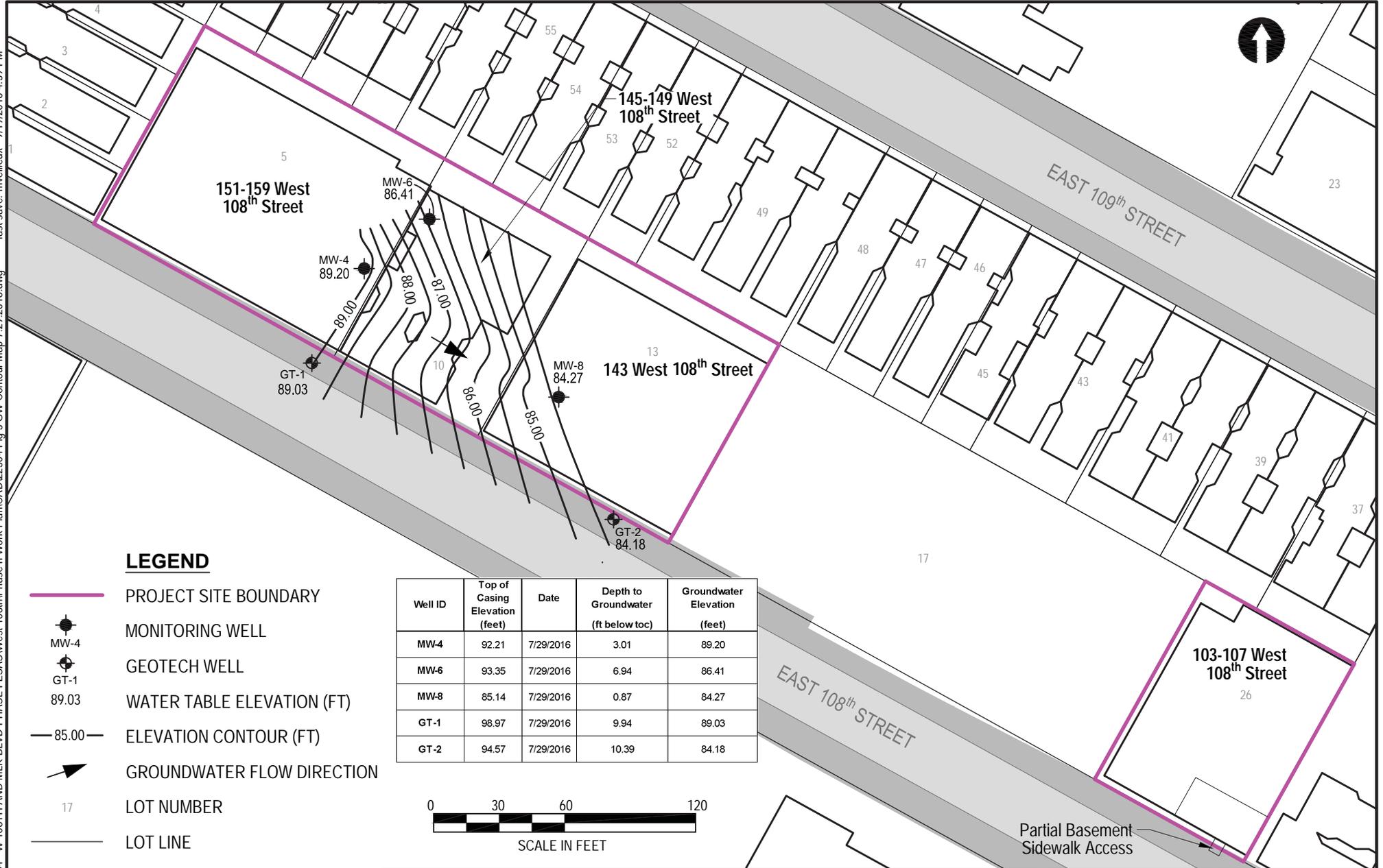


**Environmental Consultants**  
 440 Park Avenue South, New York, N.Y. 10016

DATE	<b>9/19/2016</b>
PROJECT NO.	<b>22304</b>
FIGURE	<b>2</b>

Map Source: NYCDTCP (NYC Dept. of City Planning 2015) GIS database

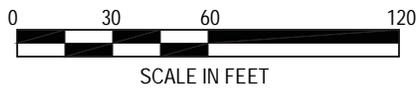
© 2016 AKRF, Inc. W:\Projects\22304 - W 108TH AND MLK BLVD PHASE I ESAS\West 108th\Phase II Work Plan\CAD\22304 Fig 3 GW Contour Map 7.29.2016.dwg last save: mveilleux 9/19/2016 4:39 PM



**LEGEND**

- PROJECT SITE BOUNDARY
- MONITORING WELL
- GEOTECH WELL
- WATER TABLE ELEVATION (FT)
- ELEVATION CONTOUR (FT)
- GROUNDWATER FLOW DIRECTION
- LOT NUMBER
- LOT LINE
- BUILDING LINE

Well ID	Top of Casing Elevation (feet)	Date	Depth to Groundwater (ft below toc)	Groundwater Elevation (feet)
MW-4	92.21	7/29/2016	3.01	89.20
MW-6	93.35	7/29/2016	6.94	86.41
MW-8	85.14	7/29/2016	0.87	84.27
GT-1	98.97	7/29/2016	9.94	89.03
GT-2	94.57	7/29/2016	10.39	84.18



**Notes:**  
 1. Elevations based upon NAVD 88 Datum.  
 2. Groundwater elevation contour interval 0.5 feet.

**Map Source:**  
 NYCDCP (NYC Dept. of City Planning 2015) GIS database

<p><b>103-107 and 143-159 West 108<sup>th</sup> Street</b>          New York, New York</p>		<p>DATE <b>9/19/2016</b></p>
<p><b>WATER TABLE ELEVATION CONTOURS</b>  <b>JULY 29, 2016</b></p>	<p><b>Environmental Consultants</b>          440 Park Avenue South, New York, N.Y. 10016</p>	<p>PROJECT NO. <b>22304</b></p>
		<p>FIGURE <b>3</b></p>

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Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 mg/kg	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 mg/kg
Pesticides				
P,P'-DDD	0.0033	13	0.0044	NE
Metals				
Arsenic	13	16	13.1	18.5
Lead	63	400	345	307
Zinc	109	10,000	125	126

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 mg/kg	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 mg/kg
Metals				
Lead	63	400	158	NE

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 mg/kg	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 mg/kg	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 mg/kg
VOCs					
Benzene	0.06	4.8	0.13 J	NE	NE
Toluene	0.7	100	1.5	NE	NE
M,P-Xylenes	0.26	100	0.41	0.35	NE
Xylenes (total)	0.26	100	0.61	0.41	NE
Metals					
Mercury	0.18	0.81	0.19	NE	NE
Nickel	30	310	36.2	NE	NE

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 mg/kg	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 mg/kg
SVOCS				
Benzo(A)Anthracene	1.0	1.0	2.2	NE
Benzo(A)Pyrene	1.0	1.0	2.4	NE
Benzo(B)Fluoranthene	1.0	1.0	3.1	NE
Benzo(K)Fluoranthene	0.8	3.9	1.1	NE
Chrysene	1.0	3.9	2.3	NE
Dibenz(A,H)Anthracene	0.33	0.33	0.63	NE
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	2.5	NE
Pesticides				
Dieldrin	0.005	0.2	0.0088 J	NE
P,P'-DDD	0.0033	13	0.0061 J	NE
P,P'-DDE	0.0033	8.9	0.0052 J	NE
P,P'-DDT	0.0033	7.9	0.019	0.0097
Metals				
Barium	350	400	421	NE
Lead	63	400	456	397
Mercury	0.18	0.81	0.43	0.36
Zinc	109	10,000	244	187

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-10(0-2)-20160713 460-116922-4 7/13/2016 mg/kg
Metals			
Nickel	30	310	28.7
Zinc	109	10,000	121

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 mg/kg
Metals			
Mercury	0.18	0.81	0.32

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-9(0-2)-20160713 460-116922-2 7/13/2016 mg/kg
Metals			
Nickel	30	310	36.2

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12(0-2)-20160711 460-116807-1 7/11/2016 mg/kg
Pesticides			
P,P'-DDD	0.0033	13	0.0035 J
P,P'-DDT	0.0033	7.9	0.019
Metals			
Barium	350	400	392
Cadmium	2.5	4.3	6.3
Chromium, Hexavalent	1.0	110	1.9 J
Copper	50	270	88.5
Lead	63	400	1,990
Mercury	0.18	0.81	0.46
Zinc	109	10,000	879

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 mg/kg
Metals			
Mercury	0.18	0.81	0.21



**LEGEND**

- PROJECT SITE BOUNDARY
- SB-5 SOIL BORING
- SB/SV-1 SOIL BORING/SOIL VAPOR POINT
- SB/MW-6/SV-4 SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GT-1 GEOTECH WELL
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE

**SOIL**

NE : No Exceedance

J : The concentration given is an estimated value.

Part 375 Soil Clean-up Objectives : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

mg/kg : milligrams per kilogram = parts per million (ppm)

\* Sample W108-SB-X (3-4) 20160712 is a blind duplicate of W108-SB-2 (3-4) 20160712  
 \* Sample W108-SB-Y 20160714 is a blind duplicate of W108-SB-12B (3-4) 20160714

Exceedences of Part 375 Unrestricted Soil Clean-up Objectives are highlighted in bold font.  
 Exceedences of Part 375 Restricted Residential Soil Clean-up Objectives are highlighted in gray.



Environmental Consultants  
 440 Park Avenue South, New York, N.Y. 10016

103-107 and 143-159 West 108<sup>th</sup> Street  
 New York, New York

SOIL CONCENTRATIONS ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

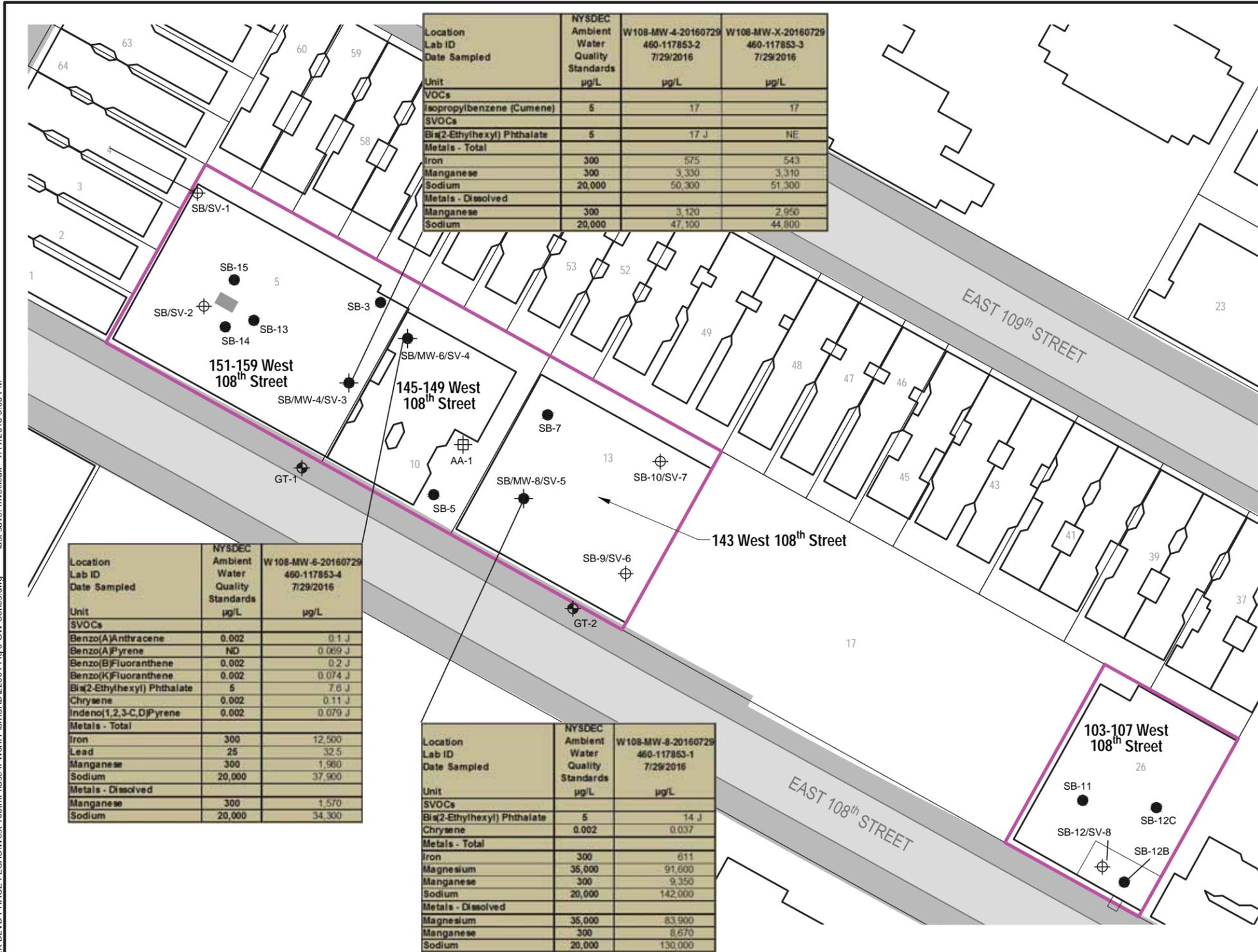
DATE  
 9/19/2016

PROJECT NO.  
 22304

FIGURE

4

© 2016 AKRF, Inc. W:\Projects\22304 - W 108TH AND MLK BLVD PHASE I ESAS\West 108th\Phase II Work\Plan\CAD\22304\_Fig 5\_GW\_Concs.dwg last save: mveilleux 9/19/2016 5:03 PM



Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-4-20160729 460-117853-2 7/29/2016	W108-MW-X-20160729 460-117853-3 7/29/2016
Unit		µg/L	µg/L
VOCs			
Isopropylbenzene (Cumene)	5	17	17
SVOCs			
Bis(2-Ethylhexyl) Phthalate	5	17 J	NE
Metals - Total			
Iron	300	575	543
Manganese	300	3,330	3,310
Sodium	20,000	50,300	51,300
Metals - Dissolved			
Manganese	300	3,120	2,950
Sodium	20,000	47,100	44,800

Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-6-20160729 460-117853-4 7/29/2016
Unit		µg/L
SVOCs		
Benzo(A)Anthracene	0.002	0.1 J
Benzo(A)Pyrene	ND	0.069 J
Benzo(B)Fluoranthene	0.002	0.2 J
Benzo(K)Fluoranthene	0.002	0.074 J
Bis(2-Ethylhexyl) Phthalate	5	7.6 J
Chrysene	0.002	0.11 J
Indeno(1,2,3-C,D)Pyrene	0.002	0.079 J
Metals - Total		
Iron	300	12,500
Lead	25	32.5
Manganese	300	1,960
Sodium	20,000	37,900
Metals - Dissolved		
Manganese	300	1,570
Sodium	20,000	34,300

Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-8-20160729 460-117853-1 7/29/2016
Unit		µg/L
SVOCs		
Bis(2-Ethylhexyl) Phthalate	5	14 J
Chrysene	0.002	0.037
Metals - Total		
Iron	300	611
Magnesium	35,000	91,600
Manganese	300	9,350
Sodium	20,000	142,000
Metals - Dissolved		
Magnesium	35,000	83,900
Manganese	300	8,670
Sodium	20,000	130,000



**LEGEND**

- PROJECT SITE BOUNDARY
- SB-5 SOIL BORING
- SB/SV-1 SOIL BORING/SOIL VAPOR POINT
- SB/MW-6/SV-4 SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GT-1 GEOTECH WELL
- AA-1 AMBIENT AIR SAMPLE LOCATION
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE

**GROUNDWATER**

- ND : Not Detected
- NE : No Exceedance
- J : The concentration given is an estimated value.
- NYSDEC : New York State Department of Environmental Conservation Technical and Operational Class GA : Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Ambient Values.
- µg/L : micrograms per Liter = parts per billion (ppb)
- \* Sample W108-MW-X-20160729 is a blind duplicate of W108-MW-4-20160729



**Environmental Consultants**  
440 Park Avenue South, New York, N.Y. 10016

**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**GROUNDWATER CONCENTRATIONS ABOVE NYSDEC AWQS**

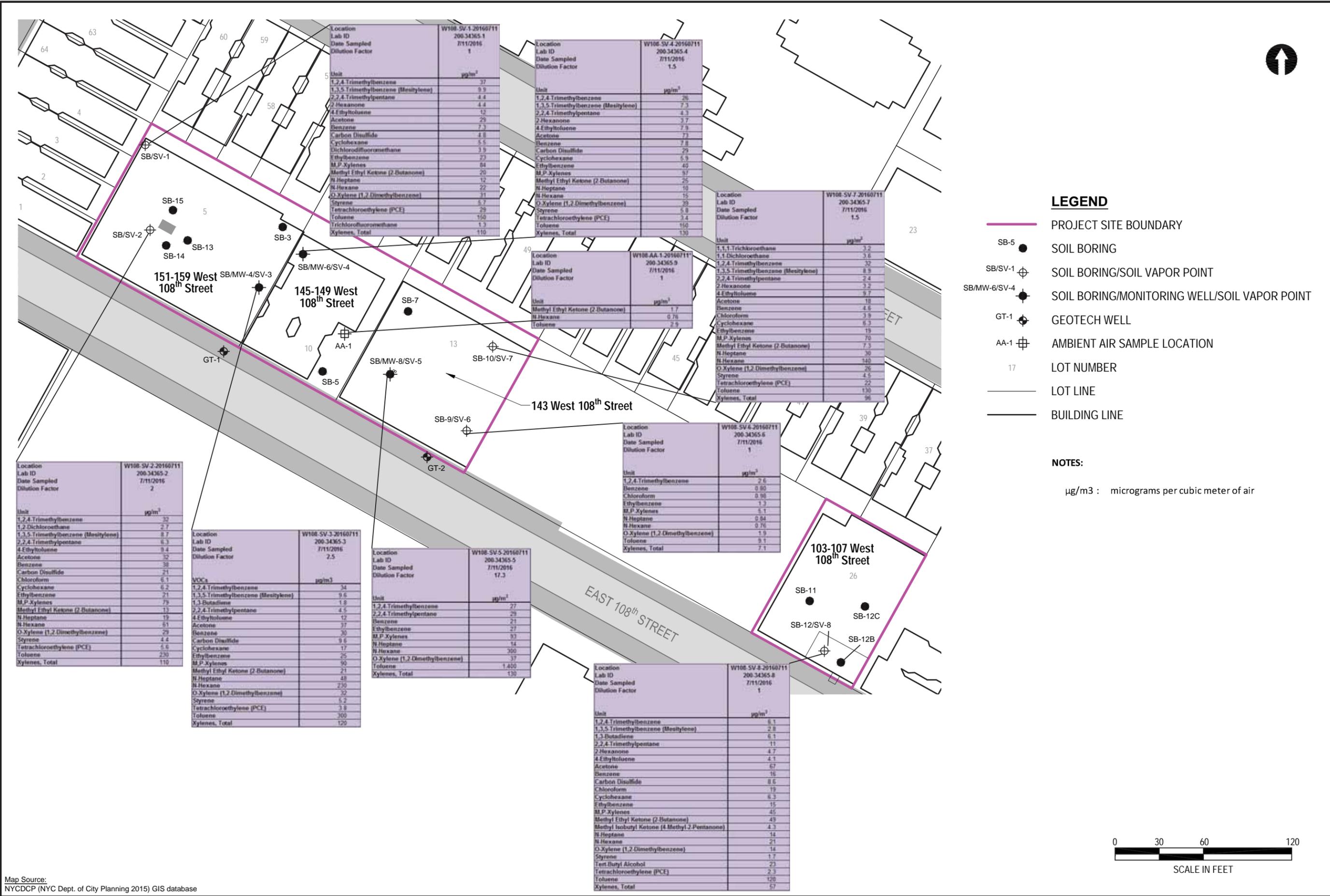
DATE  
**9/19/2016**

PROJECT NO.  
**22304**

FIGURE  
**5**

Map Source:  
NYCDP (NYC Dept. of City Planning 2015) GIS database

© 2016 AKRF, Inc. W:\Projects\22304 - W 108TH AND MLK BLVD PHASE I ESAS\West 108th\Phase II Work\Plan\CAD\22304\_Fig 6 Soils Vapor Concs.dwg last save: mvelleaux 9/19/2016 4:55 PM

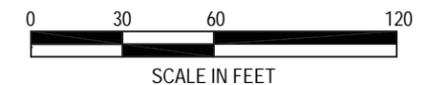


**LEGEND**

- PROJECT SITE BOUNDARY
- SB-5 SOIL BORING
- ⊕ SB/SV-1 SOIL BORING/SOIL VAPOR POINT
- ⊕ SB/MW-6/SV-4 SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- ⊕ GT-1 GEOTECH WELL
- ⊕ AA-1 AMBIENT AIR SAMPLE LOCATION
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE

**NOTES:**

µg/m<sup>3</sup> : micrograms per cubic meter of air



**Environmental Consultants**  
440 Park Avenue South, New York, N.Y. 10016

**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SOIL VAPOR AND AMBIENT AIR DETECTIONS**

DATE  
**9/19/2016**

PROJECT NO.  
**22304**

FIGURE

**6**

## TABLES

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 1 mg/kg	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 1 mg/kg	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 50 mg/kg
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0013 U	0.17 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0013 U	0.17 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.0013 U	0.17 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0013 U	0.17 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0013 U	0.17 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0013 U	0.17 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0013 U	0.17 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0013 U	0.17 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0013 U	0.17 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.0013 U	0.17 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.0015	0.17 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0013 U	0.17 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0013 U	0.17 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.0013 U	0.17 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.00076 J	0.17 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.024 U	0.026 U	4.3 U
2-Hexanone	NS	NS	0.0060 U	0.0065 U	0.86 U
Acetone	0.05	100	0.0098 U	0.022 U	0.86 U
Benzene	0.06	4.8	0.0012 U	0.0013 U	0.13 J
Bromochloromethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Bromodichloromethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Bromoform	NS	NS	0.0012 U	0.0013 U	0.17 UJ
Bromomethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Carbon Disulfide	NS	NS	0.0012 U	0.0044	0.17 UJ
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.0013 U	0.17 UJ
Chlorobenzene	1.1	100	0.0012 U	0.0013 U	0.17 U
Chloroethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Chloroform	0.37	49	0.0012 U	0.0013 U	0.17 U
Chloromethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.0013 U	0.17 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0013 U	0.17 U
Cyclohexane	NS	NS	0.0012 U	0.0013 U	0.17 U
Dibromochloromethane	NS	NS	0.0012 U	0.0013 U	0.17 UJ
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Ethylbenzene	1.0	41	0.0012 U	0.0013 U	0.061 J
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.00065 J	0.17 U
M,P-Xylenes	0.26	100	0.0012 U	0.0011 J	0.41
Methyl acetate	NS	NS	0.0011 U	0.0012 U	0.099 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0060 U	0.0065 U	0.86 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0060 U	0.0065 U	0.86 U
Methylcyclohexane	NS	NS	0.00060 U	0.0021	0.038 U
Methylene Chloride	0.05	100	0.0012 U	0.0013 U	0.17 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.0012 U	0.00094 J	0.20
Styrene	NS	NS	0.0012 U	0.0013 U	0.17 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.0013 U	0.17 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.0013 U	0.17 U
Toluene	0.7	100	0.0012 U	0.00035 J	1.5
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0013 U	0.17 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0013 U	0.17 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.0013 U	0.17 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0013 U	0.17 U
Vinyl Chloride	0.02	0.9	0.0012 U	0.0013 U	0.17 U
Xylenes, Total	0.26	100	0.00013 U	0.0020 J	0.61

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 50 mg/kg	W108-SB-3(0-2)-20160712 460-116858-9 7/12/2016 1 mg/kg	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.11 U	0.0021 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.11 U	0.0021 R	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,1,2-Trichloroethane	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,1-Dichloroethane	0.27	26	0.11 U	0.0021 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.11 U	0.0021 UJ	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.11 U	0.0021 UJ	0.0011 U
1,2-Dichlorobenzene	1.1	100	0.11 U	0.0021 UJ	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.11 U	0.0021 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.11 U	0.0021 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	0.11 U	0.0021 UJ	0.0011 U
1,4-Dichlorobenzene	1.8	13	0.11 U	0.0021 UJ	0.0011 U
1,4-Dioxane (P-Dioxane)	0.1	13	2.8 U	0.042 U	0.023 U
2-Hexanone	NS	NS	0.57 U	0.011 U	0.0057 U
Acetone	0.05	100	0.57 U	0.014 U	0.013 U
Benzene	0.06	4.8	0.11 U	0.0021 U	0.0011 U
Bromochloromethane	NS	NS	0.11 U	0.0021 UJ	0.0011 U
Bromodichloromethane	NS	NS	0.11 U	0.0021 U	0.0011 U
Bromoform	NS	NS	0.11 UJ	0.0021 U	0.0011 U
Bromomethane	NS	NS	0.11 U	0.0021 U	0.0011 U
Carbon Disulfide	NS	NS	0.11 U	0.0021 UJ	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.11 U	0.0021 U	0.0011 U
Chlorobenzene	1.1	100	0.11 U	0.0021 UJ	0.0011 U
Chloroethane	NS	NS	0.11 U	0.0021 U	0.0011 U
Chloroform	0.37	49	0.11 U	0.0021 U	0.0011 U
Chloromethane	NS	NS	0.11 U	0.0021 UJ	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.11 U	0.0021 UJ	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	0.11 U	0.0021 U	0.0011 U
Cyclohexane	NS	NS	0.11 U	0.0021 U	0.0010 J
Dibromochloromethane	NS	NS	0.11 UJ	0.0021 U	0.0011 U
Dichlorodifluoromethane	NS	NS	0.11 U	0.0021 U	0.0011 U
Ethylbenzene	1.0	41	0.12	0.0021 UJ	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	0.34	0.0021 UJ	0.00054 J
M,P-Xylenes	0.26	100	0.35	0.0021 UJ	0.00059 J
Methyl acetate	NS	NS	0.066 U	0.0019 UJ	0.0010 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.57 U	0.011 U	0.0057 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.57 U	0.011 U	0.0057 U
Methylcyclohexane	NS	NS	0.025 U	0.0011 UJ	0.0042
Methylene Chloride	0.05	100	0.11 U	0.0021 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.061 J	0.0021 UJ	0.0011 U
Styrene	NS	NS	0.11 U	0.0021 UJ	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.11 U	0.0021 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	0.11 U	0.0021 U	0.0011 U
Toluene	0.7	100	0.18	0.0023 J	0.00075 J
Trans-1,2-Dichloroethene	0.19	100	0.11 U	0.0021 UJ	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	0.11 U	0.0021 UJ	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.11 U	0.0021 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.11 U	0.0021 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.11 U	0.0021 UJ	0.0011 U
Xylenes, Total	0.26	100	0.41	0.0023 UJ	0.00059 J

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 100 mg/kg	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 1 mg/kg	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.26 U	0.0012 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.26 U	0.0012 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.26 U	0.0012 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	0.26 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.26 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.26 U	0.0012 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	0.26 U	0.0012 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	0.26 U	0.0012 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.26 U	0.0012 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.26 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	0.26 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.26 U	0.0012 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.26 U	0.0012 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	0.26 UJ	0.0012 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	0.26 UJ	0.0012 U	0.0011 U
1,4-Dioxane (P-Dioxane)	0.1	13	6.5 U	0.025 U	0.022 U
2-Hexanone	NS	NS	1.3 U	0.0062 U	0.0056 U
Acetone	0.05	100	1.3 U	0.0062 U	0.0056 U
Benzene	0.06	4.8	0.26 U	0.0012 U	0.0011 U
Bromochloromethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Bromodichloromethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Bromoform	NS	NS	0.26 UJ	0.0012 U	0.0011 U
Bromomethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Carbon Disulfide	NS	NS	0.26 UJ	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.26 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	0.26 UJ	0.0012 U	0.0011 U
Chloroethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.26 U	0.0012 U	0.0011 U
Chloromethane	NS	NS	0.26 U	0.0012 UJ	0.0011 UJ
Cis-1,2-Dichloroethylene	0.25	100	0.26 U	0.0012 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	0.26 U	0.0012 U	0.0011 U
Cyclohexane	NS	NS	12	0.0012 U	0.0011 U
Dibromochloromethane	NS	NS	0.26 UJ	0.0012 U	0.0011 U
Dichlorodifluoromethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Ethylbenzene	1.0	41	0.26 U	0.0012 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	1.8	0.0012 U	0.0011 U
M,P-Xylenes	0.26	100	0.26 U	0.0012 U	0.0011 U
Methyl acetate	NS	NS	0.15 U	0.0011 U	0.0010 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	1.3 U	0.0062 U	0.0056 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	1.3 U	0.0062 U	0.0056 U
Methylcyclohexane	NS	NS	69	0.0062 U	0.0056 U
Methylene Chloride	0.05	100	0.26 U	0.0012 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.26 U	0.0012 U	0.0011 U
Styrene	NS	NS	0.26 U	0.0012 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.26 U	0.0012 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	0.26 U	0.0012 U	0.0011 U
Toluene	0.7	100	0.26 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.26 U	0.0012 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	0.26 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.26 U	0.0012 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.26 U	0.0012 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.26 U	0.0012 U	0.0011 U
Xylenes, Total	0.26	100	0.073 U	0.00014 U	0.00012 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-6 (0-2)-20160712 460-116922-5 7/12/2016 1 mg/kg	W108-SB-7 (0-2)-20160713 460-116922-1 7/13/2016 1 mg/kg	W108-SB-8 (0-2)-20160713 460-116922-3 7/13/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.00099 U	0.0021 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.00099 U	0.0021 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.00099 U	0.0021 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.00099 U	0.0021 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.00099 U	0.0021 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.00099 U	0.0021 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.00099 U	0.0021 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.00099 U	0.0021 U	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.020 U	0.042 U	0.024 U
2-Hexanone	NS	NS	0.0049 U	0.011 U	0.0060 U
Acetone	0.05	100	0.0049 U	0.015 U	0.011 U
Benzene	0.06	4.8	0.00099 U	0.0021 U	0.0012 U
Bromochloromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Bromodichloromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Bromoform	NS	NS	0.00099 U	0.0021 U	0.0012 U
Bromomethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Carbon Disulfide	NS	NS	0.00099 U	0.0021 U	0.0016 U
Carbon Tetrachloride	0.76	2.4	0.00099 U	0.0021 U	0.0012 U
Chlorobenzene	1.1	100	0.00099 U	0.0021 U	0.0012 U
Chloroethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Chloroform	0.37	49	0.00099 U	0.0021 U	0.0012 U
Chloromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.00099 U	0.0021 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.00099 U	0.0021 U	0.0012 U
Cyclohexane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Dibromochloromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Ethylbenzene	1.0	41	0.00099 U	0.0021 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.00099 U	0.0021 U	0.0012 U
M,P-Xylenes	0.26	100	0.00099 U	0.0021 U	0.0012 U
Methyl acetate	NS	NS	0.00089 U	0.0019 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0049 U	0.011 U	0.0060 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0049 U	0.011 U	0.0060 U
Methylcyclohexane	NS	NS	0.00049 U	0.0011 U	0.00060 U
Methylene Chloride	0.05	100	0.00099 U	0.0021 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.00099 U	0.0021 U	0.0012 U
Styrene	NS	NS	0.00099 U	0.0021 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.00099 U	0.0021 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.00099 U	0.0021 U	0.0012 U
Toluene	0.7	100	0.00099 U	0.0021 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.00099 U	0.0021 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.00099 U	0.0021 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.00099 U	0.0021 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.00099 U	0.0021 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.00099 U	0.0021 U	0.0012 U
Xylenes, Total	0.26	100	0.00011 U	0.00023 U	0.00013 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-9 (0-2)-20160713 460-116922-2 7/13/2016 1 mg/kg	W108-SB-10 (0-2)-20160713 460-116922-4 7/13/2016 1	W108-SB-11(0-2)-20160714 460-116994-6 7/14/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.00045 U	0.0022 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.00020 U	0.0022 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.00052 U	0.0022 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.00033 U	0.0022 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.00040 U	0.0022 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.00049 U	0.0022 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.00013 U	0.0022 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.00038 U	0.0022 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.00056 U	0.0022 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.00017 U	0.0022 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.00013 U	0.0022 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.00020 U	0.0022 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.00014 U	0.0022 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.00015 U	0.0022 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.0076 U	0.0022 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.024 U	0.00091 U	0.043 U
2-Hexanone	NS	NS	0.0059 U	0.0011 U	0.011 U
Acetone	0.05	100	0.0059 U	0.0026 U	0.012 U
Benzene	0.06	4.8	0.00037 J	0.0013 U	0.0022 U
Bromochloromethane	NS	NS	0.0012 U	0.00024 U	0.0022 U
Bromodichloromethane	NS	NS	0.0012 U	0.00045 U	0.0022 U
Bromoform	NS	NS	0.0012 U	0.00015 U	0.0022 U
Bromomethane	NS	NS	0.0012 U	0.00038 U	0.0022 U
Carbon Disulfide	NS	NS	0.0012 U	0.00051 U	0.0022 U
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.00051 U	0.0022 U
Chlorobenzene	1.1	100	0.0012 U	0.00017 U	0.0022 U
Chloroethane	NS	NS	0.0012 U	0.00020 U	0.0022 U
Chloroform	0.37	49	0.0012 U	0.00041 U	0.0022 U
Chloromethane	NS	NS	0.0012 U	0.00025 UJ	0.0022 UJ
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.00045 U	0.0022 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.00026 U	0.0022 U
Cyclohexane	NS	NS	0.0012 U	0.00018 U	0.0022 U
Dibromochloromethane	NS	NS	0.0012 U	0.00054 U	0.0022 U
Dichlorodifluoromethane	NS	NS	0.0012 UJ	0.00018 U	0.0022 UJ
Ethylbenzene	1.0	41	0.0012 U	0.00038 UJ	0.0022 U
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.00021 U	0.0022 U
M,P-Xylenes	0.26	100	0.0012 U	0.00014 U	0.0022 U
Methyl acetate	NS	NS	0.0011 U	0.0011 U	0.0019 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0059 U	0.00013 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0059 U	0.0011 U	0.011 U
Methylcyclohexane	NS	NS	0.00059 U	0.00059 U	0.0011 U
Methylene Chloride	0.05	100	0.00096 J	0.00059 U	0.0051 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.0012 U	0.00038 U	0.0022 U
Styrene	NS	NS	0.0012 U	0.00019 U	0.0022 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.00018 U	0.0022 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.00033 U	0.0022 U
Toluene	0.7	100	0.0012 U	0.00022 U	0.0022 U
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.00046 U	0.0022 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.00012 U	0.0022 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.00031 U	0.0022 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.00040 UJ	0.0022 UJ
Vinyl Chloride	0.02	0.9	0.0012 U	0.00046 UJ	0.0022 U
Xylenes, Total	0.26	100	0.00013 U	0.00013 U	0.00013 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-12 (0-2)-20160711 460-116807-1 7/11/2016 1 mg/kg	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 1 mg/kg	W108-SB-12B(2-4)-20160714 460-116994-7 7/14/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.0013 U	0.0013 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0013 U	0.0013 U	0.0012 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0013 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0013 U	0.0013 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0013 U	0.0013 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0013 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0013 U	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0013 U	0.0013 U	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.026 U	0.026 U	0.025 U
2-Hexanone	NS	NS	0.0065 U	0.0065 U	0.0062 U
Acetone	0.05	100	0.0065 U	0.0065 U	0.026
Benzene	0.06	4.8	0.0013 U	0.0013 U	0.0012 U
Bromochloromethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Bromodichloromethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Bromoform	NS	NS	0.0013 U	0.0013 U	0.0012 U
Bromomethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Carbon Disulfide	NS	NS	0.0013 U	0.0013 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.0013 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	0.0013 U	0.0013 U	0.0012 U
Chloroethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.0013 U	0.0013 U	0.0012 U
Chloromethane	NS	NS	0.0013 U	0.0013 U	0.0012 UJ
Cis-1,2-Dichloroethylene	0.25	100	0.0013 U	0.0013 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0013 U	0.0013 U	0.0012 U
Cyclohexane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Dibromochloromethane	NS	NS	0.0013 U	0.0013 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0013 U	0.0013 U	0.0012 UJ
Ethylbenzene	1.0	41	0.0013 U	0.0013 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.0013 U	0.0013 U	0.0035
M,P-Xylenes	0.26	100	0.0013 U	0.0013 U	0.0012 U
Methyl acetate	NS	NS	0.0012 U	0.0012 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0065 U	0.0065 U	0.0062 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0065 U	0.0065 U	0.0062 U
Methylcyclohexane	NS	NS	0.00065 U	0.00065 U	0.0038
Methylene Chloride	0.05	100	0.00067 U	0.0012 U	0.0045 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.0013 U	0.0013 U	0.00083 J
Styrene	NS	NS	0.0013 U	0.0013 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0013 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0013 U	0.0013 U	0.0012 U
Toluene	0.7	100	0.0013 U	0.0013 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.0013 U	0.0013 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0013 U	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0013 U	0.0013 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0013 U	0.0013 U	0.0012 UJ
Vinyl Chloride	0.02	0.9	0.0013 U	0.0013 U	0.0012 U
Xylenes, Total	0.26	100	0.00024 U	0.00014 U	0.00014 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 1 mg/kg	W108-SB-13(0-2)-20160714 460-116994-1 7/14/2016 1 mg/kg	W108-SB-14(0-2)-20160714 460-116994-2 7/14/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.0019 U	0.0011 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0019 U	0.0011 UJ	0.0012 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0019 U	0.0011 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0019 U	0.0011 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0019 U	0.0011 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0019 U	0.0011 U	0.0013
1,2-Dichloropropane	NS	NS	0.0019 U	0.0011 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0019 U	0.0011 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0019 U	0.0011 U	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.037 U	0.022 U	0.023 U
2-Hexanone	NS	NS	0.0093 U	0.0055 U	0.0059 U
Acetone	0.05	100	0.0093 U	0.015	0.021
Benzene	0.06	4.8	0.0019 U	0.00053 J	0.0027
Bromochloromethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Bromodichloromethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Bromoform	NS	NS	0.0019 U	0.0011 U	0.0012 U
Bromomethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Carbon Disulfide	NS	NS	0.0019 U	0.00055 J	0.00063 J
Carbon Tetrachloride	0.76	2.4	0.0019 U	0.0011 U	0.0012 U
Chlorobenzene	1.1	100	0.0019 U	0.0011 U	0.0012 U
Chloroethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Chloroform	0.37	49	0.0019 U	0.0011 UJ	0.0012 UJ
Chloromethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.0019 U	0.0011 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0019 U	0.0011 U	0.0012 U
Cyclohexane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Dibromochloromethane	NS	NS	0.0019 U	0.0011 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0019 U	0.0011 UJ	0.0012 UJ
Ethylbenzene	1.0	41	0.0019 U	0.0011 U	0.00087 J
Isopropylbenzene (Cumene)	NS	NS	0.0019 U	0.0011 U	0.0012 U
M,P-Xylenes	0.26	100	0.0019 U	0.0011 U	0.0036
Methyl acetate	NS	NS	0.0017 U	0.0010 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0093 U	0.0055 U	0.0059 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0093 U	0.0055 U	0.0059 U
Methylcyclohexane	NS	NS	0.00093 U	0.00055 U	0.00059 U
Methylene Chloride	0.05	100	0.00097 U	0.00092 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.0019 U	0.0011 U	0.00081 J
Styrene	NS	NS	0.0019 U	0.0011 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0019 U	0.0011 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0019 U	0.0011 U	0.0012 U
Toluene	0.7	100	0.0019 U	0.0011 U	0.0058
Trans-1,2-Dichloroethene	0.19	100	0.0019 U	0.0011 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0019 U	0.0011 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0019 U	0.0011 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0019 U	0.0011 UJ	0.0012 UJ
Vinyl Chloride	0.02	0.9	0.0019 U	0.0011 U	0.0012 U
Xylenes, Total	0.26	100	0.00083 J	0.00020 U	0.00012 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-15(0-2)-20160714 460-116994-8 7/14/2016 1 mg/kg	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 1 mg/kg	W108-SB-Y-20160714 460-116994-3 7/14/2016 1 mg/kg
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0013 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 UJ	0.0013 U	0.0012 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0013 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0013 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 UJ	0.0013 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 UJ	0.0013 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0013 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 UJ	0.0013 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0012 UJ	0.0013 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0013 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0013 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0012 UJ	0.0013 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0012 UJ	0.0013 U	0.0012 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.024 U	0.025 U	0.024 U
2-Hexanone	NS	NS	0.0060 U	0.0063 U	0.0059 U
Acetone	0.05	100	0.0088 J	0.040 U	0.11
Benzene	0.06	4.8	0.0012 U	0.00086 J	0.0012 U
Bromochloromethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Bromodichloromethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Bromoform	NS	NS	0.0012 U	0.0013 U	0.0012 U
Bromomethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Carbon Disulfide	NS	NS	0.0012 U	0.0018	0.00070 J
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.0013 U	0.0012 U
Chlorobenzene	1.1	100	0.0012 U	0.0013 U	0.0012 U
Chloroethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Chloroform	0.37	49	0.0012 U	0.0013 U	0.0012 UJ
Chloromethane	NS	NS	0.0012 UJ	0.0013 UJ	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.0013 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 UJ	0.0013 U	0.0012 U
Cyclohexane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Dibromochloromethane	NS	NS	0.0012 U	0.0013 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0012 UJ	0.0013 U	0.0012 UJ
Ethylbenzene	1.0	41	0.0012 U	0.00088 R	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.015 R	0.00050 J
M,P-Xylenes	0.26	100	0.0012 U	0.0035 R	0.00034 J
Methyl acetate	NS	NS	0.0011 UJ	0.0011 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0060 U	0.0063 U	0.0059 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0060 U	0.0063 U	0.0059 U
Methylcyclohexane	NS	NS	0.00060 UJ	0.00063 U	0.00059 U
Methylene Chloride	0.05	100	0.0012 U	0.0013 U	0.00075 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	0.0012 U	0.00089 J	0.00020 J
Styrene	NS	NS	0.0012 U	0.0013 R	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.0013 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.0013 U	0.0012 U
Toluene	0.7	100	0.00054 J	0.0027 R	0.00043 J
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0013 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 UJ	0.0013 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.0013 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0012 UJ	0.0013 U	0.0012 UJ
Vinyl Chloride	0.02	0.9	0.0012 U	0.0013 U	0.0012 U
Xylenes, Total	0.26	100	0.0044	0.00013 R	0.0044

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	FB20160712-20160712* 460-116858-5 7/12/2016 1 µg/L	FB20160714-20160714* 460-116994-10 7/14/2016 1 µg/L	TB20160712-20160712* 460-116858-4 7/12/2016 1 µg/L
1,1,1-Trichloroethane	0.68	100	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	NS	NS	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	NS	NS	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	0.27	26	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	0.33	100	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	NS	NS	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	NS	NS	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	NS	NS	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1.1	100	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.02	3.1	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	NS	NS	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	2.4	49	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1.8	13	1.0 U	1.0 U	1.0 U
1,4-Dioxane (P-Dioxane)	0.1	13	50 U	50 U	50 U
2-Hexanone	NS	NS	5.0 U	5.0 U	5.0 U
Acetone	0.05	100	21	5.0 U	5.0 U
Benzene	0.06	4.8	1.0 U	1.0 U	1.0 U
Bromochloromethane	NS	NS	1.0 U	1.0 U	1.0 U
Bromodichloromethane	NS	NS	1.0 U	1.0 U	1.0 U
Bromoform	NS	NS	1.0 U	1.0 U	1.0 UJ
Bromomethane	NS	NS	1.0 U	1.0 U	1.0 U
Carbon Disulfide	NS	NS	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	0.76	2.4	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.1	100	1.0 U	1.0 U	1.0 U
Chloroethane	NS	NS	1.0 UJ	1.0 UJ	1.0 R
Chloroform	0.37	49	1.0 U	1.0 U	1.0 U
Chloromethane	NS	NS	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethylene	0.25	100	1.0 U	1.0 U	1.0 U
Cis-1,3-Dichloropropene	NS	NS	1.0 U	1.0 U	1.0 U
Cyclohexane	NS	NS	1.0 U	1.0 U	1.0 U
Dibromochloromethane	NS	NS	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	NS	NS	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0	41	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	NS	NS	1.0 U	1.0 U	1.0 U
M,P-Xylenes	0.26	100	1.0 U	1.0 U	1.0 U
Methyl acetate	NS	NS	0.58 U	0.58 U	0.58 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.13 U	0.13 U	0.13 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.22 U	0.22 U	0.22 U
Methylcyclohexane	NS	NS	0.21 U	1.3	0.45 J
Methylene Chloride	0.05	100	1.0 U	1.3	0.45 J
O-Xylene (1,2-Dimethylbenzene)	0.26	100	1.0 U	1.0 U	1.0 U
Styrene	NS	NS	1.0 U	1.0 U	1.0 U
Tert-Butyl Methyl Ether	0.93	100	1.0 U	1.0 U	1.0 U
Tetrachloroethylene (PCE)	1.3	19	1.0 U	1.0 U	1.0 U
Toluene	0.7	100	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	0.19	100	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	NS	NS	1.0 U	1.0 U	1.0 U
Trichloroethylene (TCE)	0.47	21	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	NS	NS	1.0 U	1.0 U	1.0 U
Vinyl Chloride	0.02	0.9	1.0 U	1.0 U	1.0 U
Xylenes, Total	0.26	100	0.28 U	0.28 U	0.28 U

**Table 1**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Volatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	TB20160714-20160714* 460-117248-1 7/14/2016 1 µg/L
1,1,1-Trichloroethane	0.68	100	1.0 U
1,1,2,2-Tetrachloroethane	NS	NS	1.0 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	1.0 U
1,1,2-Trichloroethane	NS	NS	1.0 U
1,1-Dichloroethane	0.27	26	1.0 U
1,1-Dichloroethene	0.33	100	1.0 U
1,2,3-Trichlorobenzene	NS	NS	1.0 UJ
1,2,4-Trichlorobenzene	NS	NS	1.0 U
1,2-Dibromo-3-Chloropropane	NS	NS	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.0 U
1,2-Dichlorobenzene	1.1	100	1.0 U
1,2-Dichloroethane	0.02	3.1	1.0 U
1,2-Dichloropropane	NS	NS	1.0 U
1,3-Dichlorobenzene	2.4	49	1.0 U
1,4-Dichlorobenzene	1.8	13	1.0 U
1,4-Dioxane (P-Dioxane)	0.1	13	5.0 U
2-Hexanone	NS	NS	5.0 U
Acetone	0.05	100	5.0 U
Benzene	0.06	4.8	1.0 U
Bromochloromethane	NS	NS	1.0 U
Bromodichloromethane	NS	NS	1.0 U
Bromoform	NS	NS	1.0 U
Bromomethane	NS	NS	1.0 U
Carbon Disulfide	NS	NS	1.0 U
Carbon Tetrachloride	0.76	2.4	1.0 U
Chlorobenzene	1.1	100	1.0 U
Chloroethane	NS	NS	1.0 U
Chloroform	0.37	49	1.0 U
Chloromethane	NS	NS	1.0 U
Cis-1,2-Dichloroethylene	0.25	100	1.0 U
Cis-1,3-Dichloropropene	NS	NS	1.0 U
Cyclohexane	NS	NS	1.0 U
Dibromochloromethane	NS	NS	1.0 U
Dichlorodifluoromethane	NS	NS	1.0 U
Ethylbenzene	1.0	41	1.0 U
Isopropylbenzene (Cumene)	NS	NS	1.0 U
M,P-Xylenes	0.26	100	1.0 U
Methyl acetate	NS	NS	0.58 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.13 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.22 U
Methylcyclohexane	NS	NS	0.21 U
Methylene Chloride	0.05	100	1.0 U
O-Xylene (1,2-Dimethylbenzene)	0.26	100	1.0 U
Styrene	NS	NS	1.0 U
Tert-Butyl Methyl Ether	0.93	100	1.0 U
Tetrachloroethylene (PCE)	1.3	19	1.0 U
Toluene	0.7	100	1.0 U
Trans-1,2-Dichloroethene	0.19	100	1.0 U
Trans-1,3-Dichloropropene	NS	NS	1.0 U
Trichloroethylene (TCE)	0.47	21	1.0 U
Trichlorofluoromethane	NS	NS	1.0 U
Vinyl Chloride	0.02	0.9	1.0 U
Xylenes, Total	0.26	100	0.28 U

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 1	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 1	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.43 U	0.42 U	0.37 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.040 U	0.040 R	0.035 R
2,4,5-Trichlorophenol	NS	NS	0.43 U	0.42 R	0.37 R
2,4,6-Trichlorophenol	NS	NS	0.17 U	0.17 R	0.15 R
2,4-Dichlorophenol	NS	NS	0.17 U	0.17 R	0.15 R
2,4-Dimethylphenol	NS	NS	0.43 U	0.42 R	0.37 R
2,4-Dinitrophenol	NS	NS	0.35 U	0.34 R	0.30 R
2,4-Dinitrotoluene	NS	NS	0.087 U	0.086 U	0.076 U
2,6-Dinitrotoluene	NS	NS	0.087 U	0.086 U	0.076 U
2-Chloronaphthalene	NS	NS	0.43 U	0.42 U	0.37 U
2-Chlorophenol	NS	NS	0.43 U	0.42 R	0.37 R
2-Methylnaphthalene	NS	NS	0.020 J	0.42 U	0.015 J
2-Methylphenol (O-Cresol)	0.33	100	0.43 U	0.42 R	0.37 R
2-Nitroaniline	NS	NS	0.43 U	0.42 U	0.37 U
2-Nitrophenol	NS	NS	0.43 U	0.42 R	0.37 U
3,3'-Dichlorobenzidine	NS	NS	0.17 U	0.17 U	0.15 U
3-Nitroaniline	NS	NS	0.43 U	0.42 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.35 U	0.34 U	0.30 R
4-Bromophenyl Phenyl Ether	NS	NS	0.43 U	0.42 R	0.37 U
4-Chloro-3-Methylphenol	NS	NS	0.43 U	0.42 R	0.37 R
4-Chloroaniline	NS	NS	0.43 U	0.42 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.43 U	0.42 U	0.37 U
4-Methylphenol	34	0.33	0.012 U	0.012 R	0.010 R
4-Nitroaniline	NS	NS	0.43 U	0.42 U	0.37 U
4-Nitrophenol	NS	NS	0.87 U	0.86 R	0.76 R
Acenaphthene	20	100	0.43 U	0.42 U	0.37 U
Acenaphthylene	100	100	0.43 U	0.42 U	0.37 U
Acetophenone	NS	NS	0.43 U	0.42 U	0.028 U
Anthracene	100	100	0.43 U	0.095 J	0.37 U
Atrazine	NS	NS	0.019 U	0.019 U	0.017 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.064	0.23	0.037 U
Benzo(A)Pyrene	1.0	1.0	0.060	0.20	0.037 U
Benzo(B)Fluoranthene	1.0	1.0	0.069	0.23	0.037 U
Benzo(G,H,I)Perylene	100	100	0.050 J	0.12 J	0.37 U
Benzo(K)Fluoranthene	0.8	3.9	0.025 J	0.095	0.037 U
Benzyl Butyl Phthalate	NS	NS	0.43 U	0.42 U	0.37 U
Biphenyl (Diphenyl)	NS	NS	0.43 U	0.42 U	0.37 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.43 U	0.42 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.043 U	0.042 U	0.037 UJ
Bis(2-Chloroisopropyl) Ether	NS	NS	0.43 UJ	0.42 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.099 J+	0.42 U	0.075 J+
Caprolactam	NS	NS	0.031 U	0.031 U	0.027 U
Carbazole	NS	NS	0.43 U	0.42 U	0.37 U
Chrysene	1	3.9	0.073 J	0.36 J	0.037 J
Dibenz(A,H)Anthracene	0.33	0.33	0.043 U	0.038 J	0.037 U
Dibenzofuran	7	59	0.43 U	0.42 U	0.37 U
Diethyl Phthalate	NS	NS	0.43 U	0.42 U	0.37 U
Dimethyl Phthalate	NS	NS	0.43 U	0.42 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	0.017 J	0.42 U	0.016 J
Di-N-Octylphthalate	NS	NS	0.43 U	0.42 U	0.37 U
Fluoranthene	100	100	0.095 J	0.43	0.043 J
Fluorene	30	100	0.43 U	0.42 U	0.37 U
Hexachlorobenzene	0.33	1.2	0.043 U	0.042 U	0.037 U
Hexachlorobutadiene	NS	NS	0.087 UJ	0.086 U	0.076 U
Hexachlorocyclopentadiene	NS	NS	0.43 U	0.42 U	0.37 U
Hexachloroethane	NS	NS	0.043 UJ	0.042 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.047	0.12	0.037 U
Isophorone	NS	NS	0.055 J	0.0099 J	0.26
Naphthalene	12	100	0.43 U	0.42 U	0.011 J
Nitrobenzene	NS	NS	0.043 U	0.042 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	0.043 U	0.042 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	0.43 U	0.42 U	0.37 U
Pentachlorophenol	0.8	6.7	0.35 U	0.34 U	0.30 U
Phenanthrene	100	100	0.058 J	0.24 J	0.024 J
Phenol	0.33	100	0.43 U	0.42 U	0.37 U
Pyrene	100	100	0.13 J	0.48	0.054 J
Total Conc	NS	NS	0.862	2.6479	0.535

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 1 mg/kg	W108-SB-3(0-2)-20160712 460-116858-9 7/12/2016 1 mg/kg	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 1 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 U	0.40 U	0.42 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.035 U	0.037 UJ	0.040 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.40 U	0.42 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.16 U	0.17 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.16 U	0.17 U
2,4-Dimethylphenol	NS	NS	0.37 U	0.40 U	0.42 U
2,4-Dinitrophenol	NS	NS	0.30 U	0.32 R	0.34 U
2,4-Dinitrotoluene	NS	NS	0.076 U	0.080 U	0.085 U
2,6-Dinitrotoluene	NS	NS	0.076 U	0.080 U	0.085 U
2-Chloronaphthalene	NS	NS	0.37 U	0.40 U	0.42 U
2-Chlorophenol	NS	NS	0.37 U	0.40 U	0.42 U
2-Methylnaphthalene	NS	NS	0.036 J	0.40 U	0.55
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.40 U	0.42 U
2-Nitroaniline	NS	NS	0.37 U	0.40 U	0.42 U
2-Nitrophenol	NS	NS	0.37 U	0.40 U	0.42 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.16 U	0.17 U
3-Nitroaniline	NS	NS	0.37 U	0.40 U	0.42 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.30 U	0.32 UJ	0.34 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.40 U	0.42 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.40 U	0.42 U
4-Chloroaniline	NS	NS	0.37 U	0.40 U	0.42 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.40 U	0.42 U
4-Methylphenol	34	0.33	0.010 U	0.011 U	0.011 U
4-Nitroaniline	NS	NS	0.37 U	0.40 U	0.42 U
4-Nitrophenol	NS	NS	0.76 U	0.80 U	0.85 U
Acenaphthene	20	100	0.37 U	0.40 U	0.42 U
Acenaphthylene	100	100	0.37 U	0.40 U	0.42 U
Acetophenone	NS	NS	0.051 U	0.40 U	0.049 U
Anthracene	100	100	0.37 U	0.40 U	0.42 U
Atrazine	NS	NS	0.017 U	0.018 U	0.019 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.037 U	0.040 U	0.042 U
Benzo(A)Pyrene	1.0	1.0	0.037 U	0.040 U	0.042 U
Benzo(B)Fluoranthene	1.0	1.0	0.018 J	0.040 U	0.042 U
Benzo(G,H,I)Perylene	100	100	0.37 U	0.40 U	0.42 U
Benzo(K)Fluoranthene	0.8	3.9	0.037 U	0.040 U	0.042 U
Benzy Butyl Phthalate	NS	NS	0.37 U	0.042 J+	0.42 U
Biphenyl (Diphenyl)	NS	NS	0.37 U	0.40 U	0.42 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.40 U	0.42 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.040 U	0.042 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 UJ	0.40 UJ	0.42 UJ
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.37 U	0.40 U	0.42 U
Caprolactam	NS	NS	0.027 U	0.029 U	0.030 U
Carbazole	NS	NS	0.37 U	0.40 U	0.42 U
Chrysene	1	3.9	0.37 U	0.40 U	0.42 U
Dibenz(A,H)Anthracene	0.33	0.33	0.037 U	0.040 U	0.042 U
Dibenzofuran	7	59	0.37 U	0.40 U	0.42 U
Diethyl Phthalate	NS	NS	0.37 U	0.40 U	0.42 U
Dimethyl Phthalate	NS	NS	0.37 U	0.40 U	0.42 U
Di-N-Butyl Phthalate	NS	NS	0.024 J	0.40 U	0.041 J
Di-N-Octylphthalate	NS	NS	0.37 U	0.40 U	0.42 U
Fluoranthene	100	100	0.017 J	0.40 U	0.42 U
Fluorene	30	100	0.37 U	0.40 U	0.42 U
Hexachlorobenzene	0.33	1.2	0.037 U	0.040 U	0.042 U
Hexachlorobutadiene	NS	NS	0.076 UJ	0.080 UJ	0.085 UJ
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.40 U	0.42 U
Hexachloroethane	NS	NS	0.037 UJ	0.040 UJ	0.042 UJ
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.037 U	0.040 U	0.042 U
Isophorone	NS	NS	0.15 U	0.016 J	0.17 U
Naphthalene	12	100	0.032 J	0.40 U	0.20 J
Nitrobenzene	NS	NS	0.037 U	0.040 U	0.042 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.040 U	0.042 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.40 U	0.42 U
Pentachlorophenol	0.8	6.7	0.30 U	0.32 UJ	0.34 U
Phenanthrene	100	100	0.013 J	0.40 U	0.012 J
Phenol	0.33	100	0.37 U	0.40 U	0.42 U
Pyrene	100	100	0.025 J	0.40 U	0.42 U
Total Conc	NS	NS	0.165	0.058	0.803

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 1	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 1	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.45 U	0.37 U	0.39 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.042 U	0.035 U	0.036 U
2,4,5-Trichlorophenol	NS	NS	0.45 U	0.37 U	0.39 U
2,4,6-Trichlorophenol	NS	NS	0.18 U	0.15 U	0.16 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.15 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.45 U	0.37 U	0.39 U
2,4-Dinitrophenol	NS	NS	0.36 U	0.30 U	0.31 U
2,4-Dinitrotoluene	NS	NS	0.091 U	0.075 U	0.078 U
2,6-Dinitrotoluene	NS	NS	0.091 U	0.075 U	0.078 U
2-Chloronaphthalene	NS	NS	0.45 U	0.37 U	0.39 U
2-Chlorophenol	NS	NS	0.45 U	0.37 U	0.39 U
2-Methylnaphthalene	NS	NS	2.9	0.031 J	0.050 J
2-Methylphenol (O-Cresol)	0.33	100	0.45 U	0.37 U	0.39 U
2-Nitroaniline	NS	NS	0.45 U	0.37 U	0.39 U
2-Nitrophenol	NS	NS	0.45 U	0.37 U	0.39 U
3,3'-Dichlorobenzidine	NS	NS	0.18 U	0.15 U	0.16 U
3-Nitroaniline	NS	NS	0.45 U	0.37 U	0.39 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.36 U	0.30 U	0.31 U
4-Bromophenyl Phenyl Ether	NS	NS	0.45 U	0.37 U	0.39 U
4-Chloro-3-Methylphenol	NS	NS	0.45 U	0.37 U	0.39 U
4-Chloroaniline	NS	NS	0.45 U	0.37 U	0.39 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.45 U	0.37 U	0.39 U
4-Methylphenol	34	0.33	0.012 U	0.010 U	0.011 U
4-Nitroaniline	NS	NS	0.45 U	0.37 U	0.39 U
4-Nitrophenol	NS	NS	0.91 U	0.75 U	0.78 U
Acenaphthene	20	100	0.044 J	0.043 J	0.39 U
Acenaphthylene	100	100	0.45 U	0.28 J	0.39 U
Acetophenone	NS	NS	0.45 U	0.37 U	0.39 U
Anthracene	100	100	0.45 U	0.45	0.39 U
Atrazine	NS	NS	0.020 U	0.016 U	0.017 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.045	2.2	0.040
Benzo(A)Pyrene	1.0	1.0	0.027 J	2.4	0.039
Benzo(B)Fluoranthene	1.0	1.0	0.045 U	3.1	0.051
Benzo(G,H,I)Perylene	100	100	0.45 U	2.4	0.049 J
Benzo(K)Fluoranthene	0.8	3.9	0.045 U	1.1	0.023 J
Benzyl Butyl Phthalate	NS	NS	0.45 U	0.058 J+	3.1 U
Biphenyl (Diphenyl)	NS	NS	0.45 U	0.37 U	0.39 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.45 U	0.37 U	0.39 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.045 U	0.037 U	0.039 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.45 UJ	0.37 UJ	0.39 UJ
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.61 J+	0.46 J+	0.38 J+
Caprolactam	NS	NS	0.032 U	0.027 U	0.028 U
Carbazole	NS	NS	0.45 U	0.16 J	0.39 U
Chrysene	1	3.9	0.45 U	2.3	0.044 J
Dibenz(A,H)Anthracene	0.33	0.33	0.045 U	0.63	0.039 U
Dibenzofuran	7	59	0.45 U	0.083 J	0.39 U
Diethyl Phthalate	NS	NS	0.45 U	0.37 U	0.39 U
Dimethyl Phthalate	NS	NS	0.45 U	0.37 U	0.39 U
Di-N-Butyl Phthalate	NS	NS	0.030 J	0.017 J	0.39 U
Di-N-Octylphthalate	NS	NS	0.45 U	0.37 U	0.39 U
Fluoranthene	100	100	0.12 J	4.2	0.062 J
Fluorene	30	100	0.055 J	0.15 J	0.39 U
Hexachlorobenzene	0.33	1.2	0.045 U	0.037 U	0.039 U
Hexachlorobutadiene	NS	NS	0.091 U	0.075 U	0.078 U
Hexachlorocyclopentadiene	NS	NS	0.45 U	0.37 U	0.39 U
Hexachloroethane	NS	NS	0.045 U	0.037 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.045 U	2.5	0.049
Isophorone	NS	NS	0.18 U	0.15 U	0.16 U
Naphthalene	12	100	0.45 U	0.083 J	0.012 J
Nitrobenzene	NS	NS	0.045 U	0.037 U	0.039 U
N-Nitrosodi-N-Propylamine	NS	NS	0.045 U	0.037 U	0.039 U
N-Nitrosodiphenylamine	NS	NS	0.45 U	0.37 U	0.39 U
Pentachlorophenol	0.8	6.7	0.36 U	0.30 U	0.31 U
Phenanthrene	100	100	0.17 J	2.4	0.032 J
Phenol	0.33	100	0.45 U	0.37 U	0.39 U
Pyrene	100	100	0.14 J	3.1	0.062 J
Total Conc	NS	NS	4.141	28.145	3.993

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-6 (0-2)-20160712 460-116922-5 7/12/2016 1 mg/kg	W108-SB-7 (0-2)-20160713 460-116922-1 7/13/2016 5 mg/kg	W108-SB-8 (0-2)-20160713 460-116922-3 7/13/2016 1 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.38 U	1.9 U	0.37 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.036 U	0.18 UJ	0.035 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	1.9 U	0.37 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.78 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.78 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.38 U	1.9 U	0.37 U
2,4-Dinitrophenol	NS	NS	0.30 U	1.6 U	0.30 U
2,4-Dinitrotoluene	NS	NS	0.077 U	0.39 U	0.076 U
2,6-Dinitrotoluene	NS	NS	0.077 U	0.39 U	0.076 U
2-Chloronaphthalene	NS	NS	0.38 U	1.9 U	0.37 U
2-Chlorophenol	NS	NS	0.38 U	1.9 U	0.37 U
2-Methylnaphthalene	NS	NS	0.38 U	1.9 U	0.37 U
2-Methylphenol (O-Cresol)	0.33	100	0.38 U	1.9 U	0.37 U
2-Nitroaniline	NS	NS	0.38 U	1.9 U	0.37 U
2-Nitrophenol	NS	NS	0.38 U	1.9 U	0.37 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.78 U	0.15 U
3-Nitroaniline	NS	NS	0.38 U	1.9 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.30 U	1.6 U	0.30 U
4-Bromophenyl Phenyl Ether	NS	NS	0.38 U	1.9 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS	0.38 U	1.9 U	0.37 U
4-Chloroaniline	NS	NS	0.38 U	1.9 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.38 U	1.9 U	0.37 U
4-Methylphenol	34	0.33	0.010 U	0.053 UJ	0.010 U
4-Nitroaniline	NS	NS	0.38 U	1.9 U	0.37 U
4-Nitrophenol	NS	NS	0.77 U	3.9 U	0.76 U
Acenaphthene	20	100	0.38 U	1.9 U	0.37 U
Acenaphthylene	100	100	0.38 U	1.9 U	0.37 U
Acetophenone	NS	NS	0.38 U	1.9 U	0.37 U
Anthracene	100	100	0.38 U	1.9 U	0.37 U
Atrazine	NS	NS	0.017 U	0.086 U	0.017 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.038 U	0.19 U	0.037 U
Benzo(A)Pyrene	1.0	1.0	0.016 J	0.19 U	0.037 U
Benzo(B)Fluoranthene	1.0	1.0	0.028 J	0.19 U	0.037 U
Benzo(G,H,I)Perylene	100	100	0.38 U	1.9 U	0.37 U
Benzo(K)Fluoranthene	0.8	3.9	0.038 U	0.19 U	0.037 U
Benzyl Butyl Phthalate	NS	NS	0.42	1.9 U	0.37 U
Biphenyl (Diphenyl)	NS	NS	0.38 U	1.9 U	0.37 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.38 U	1.9 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.038 U	0.19 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.38 U	1.9 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.026 J	0.28 J	0.067 J
Caprolactam	NS	NS	0.027 U	0.14 U	0.027 U
Carbazole	NS	NS	0.38 U	1.9 U	0.37 U
Chrysene	1	3.9	0.023 J	1.9 U	0.37 U
Dibenz(A,H)Anthracene	0.33	0.33	0.038 U	0.19 U	0.037 U
Dibenzofuran	7	59	0.38 U	1.9 U	0.37 U
Diethyl Phthalate	NS	NS	0.38 U	1.9 U	0.37 U
Dimethyl Phthalate	NS	NS	0.38 U	1.9 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	0.043 J	1.9 U	0.043 J
Di-N-Octylphthalate	NS	NS	0.38 U	1.9 U	0.022 J
Fluoranthene	100	100	0.030 J	0.069 J	0.37 U
Fluorene	30	100	0.38 U	1.9 U	0.37 U
Hexachlorobenzene	0.33	1.2	0.038 U	0.19 U	0.037 U
Hexachlorobutadiene	NS	NS	0.077 U	0.39 U	0.076 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	1.9 U	0.37 U
Hexachloroethane	NS	NS	0.038 U	0.19 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.038 U	0.19 U	0.037 U
Isophorone	NS	NS	0.15 U	6.1	0.031 J
Naphthalene	12	100	0.38 U	0.077 J	0.37 U
Nitrobenzene	NS	NS	0.038 U	0.19 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	0.038 U	0.19 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	0.38 U	1.9 U	0.37 U
Pentachlorophenol	0.8	6.7	0.30 U	1.6 U	0.30 U
Phenanthrene	100	100	0.020 J	0.056 J	0.37 U
Phenol	0.33	100	0.38 U	1.9 U	0.37 U
Pyrene	100	100	0.035 J	1.9 U	0.37 U
Total Conc	NS	NS	0.641	6.582	0.163

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-9 (0-2)-20160713 460-116922-2 7/13/2016 1 mg/kg	W108-SB-10 (0-2)-20160713 460-116922-4 7/13/2016 1 mg/kg	W108-SB-11(0-2)-20160714 460-116994-6 7/14/2016 1 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.40 U	0.029 U	0.36 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.037 U	0.037 U	0.034 U
2,4,5-Trichlorophenol	NS	NS	0.40 U	0.039 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.011 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.0092 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.40 U	0.086 U	0.36 U
2,4-Dinitrophenol	NS	NS	0.32 U	0.29 U	0.29 U
2,4-Dinitrotoluene	NS	NS	0.080 U	0.015 U	0.074 U
2,6-Dinitrotoluene	NS	NS	0.080 U	0.021 U	0.074 U
2-Chloronaphthalene	NS	NS	0.40 U	0.0088 U	0.36 U
2-Chlorophenol	NS	NS	0.40 U	0.0099 U	0.36 U
2-Methylnaphthalene	NS	NS	0.017 J	0.013 J	0.36 U
2-Methylphenol (O-Cresol)	0.33	100	0.40 U	0.017 U	0.36 U
2-Nitroaniline	NS	NS	0.40 U	0.013 U	0.36 U
2-Nitrophenol	NS	NS	0.40 U	0.013 U	0.36 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.043 U	0.15 U
3-Nitroaniline	NS	NS	0.40 U	0.012 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.32 U	0.10 U	0.29 U
4-Bromophenyl Phenyl Ether	NS	NS	0.40 U	0.012 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	0.40 U	0.017 U	0.36 U
4-Chloroaniline	NS	NS	0.40 U	0.010 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.40 U	0.012 U	0.36 U
4-Methylphenol	34	0.33	0.011 U	0.011 U	0.0099 U
4-Nitroaniline	NS	NS	0.40 U	0.015 U	0.36 U
4-Nitrophenol	NS	NS	0.80 U	0.19 U	0.74 U
Acenaphthene	20	100	0.40 U	0.0094 U	0.36 U
Acenaphthylene	100	100	0.40 U	0.010 U	0.36 U
Acetophenone	NS	NS	0.40 U	0.0085 U	0.36 U
Anthracene	100	100	0.40 U	0.037 U	0.36 U
Atrazine	NS	NS	0.018 U	0.017 U	0.016 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.040 U	0.030 U	0.052
Benzo(A)Pyrene	1.0	1.0	0.040 U	0.032 U	0.034 J
Benzo(B)Fluoranthene	1.0	1.0	0.017 J	0.012 U	0.050
Benzo(G,H,I)Perylene	100	100	0.40 U	0.015 U	0.024 J
Benzo(K)Fluoranthene	0.8	3.9	0.040 U	0.022 U	0.021 J
Benzy Butyl Phthalate	NS	NS	0.40 U	0.017 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	0.40 U	0.016 U	0.36 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.40 U	0.012 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.040 U	0.0092 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.40 U	0.026 J	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.24 J	0.012 U	0.32 J
Caprolactam	NS	NS	0.029 U	0.028 U	0.026 U
Carbazole	NS	NS	0.40 U	0.0097 U	0.36 U
Chrysene	1	3.9	0.017 J	0.017 J	0.064 J
Dibenz(A,H)Anthracene	0.33	0.33	0.040 U	0.020 U	0.036 U
Dibenzofuran	7	59	0.40 U	0.012 U	0.36 U
Diethyl Phthalate	NS	NS	0.40 U	0.011 U	0.36 U
Dimethyl Phthalate	NS	NS	0.40 U	0.011 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	0.042 J	0.023 J	0.36 U
Di-N-Octylphthalate	NS	NS	0.40 U	0.020 U	0.36 U
Fluoranthene	100	100	0.020 J	0.059 J	0.094 J
Fluorene	30	100	0.40 U	0.0085 U	0.36 U
Hexachlorobenzene	0.33	1.2	0.040 U	0.016 U	0.036 U
Hexachlorobutadiene	NS	NS	0.080 U	0.011 U	0.074 U
Hexachlorocyclopentadiene	NS	NS	0.40 U	0.024 U	0.36 U
Hexachloroethane	NS	NS	0.040 U	0.014 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.040 U	0.026 U	0.025 J
Isophorone	NS	NS	0.16 U	1.2	0.18
Naphthalene	12	100	0.031 J	0.029 J	0.36 U
Nitrobenzene	NS	NS	0.040 U	0.012 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	0.040 U	0.013 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	0.40 U	0.035 U	0.36 U
Pentachlorophenol	0.8	6.7	0.32 U	0.047 U	0.29 U
Phenanthrene	100	100	0.030 J	0.060 J	0.063 J
Phenol	0.33	100	0.40 U	0.013 U	0.36 U
Pyrene	100	100	0.023 J	0.059 J	0.092 J
Total Conc	NS	NS	0.437	1.486	1.019

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-12 (0-2)-20160711 460-116807-1 7/11/2016 1	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 1	W108-SB-12B(2-4)-20160714 460-116994-7 7/14/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.39 U	0.37 U	0.37 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.037 U	0.035 U	0.035 U
2,4,5-Trichlorophenol	NS	NS	0.39 U	0.37 U	0.37 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.15 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.15 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.39 U	0.37 U	0.37 U
2,4-Dinitrophenol	NS	NS	0.31 U	0.30 U	0.30 U
2,4-Dinitrotoluene	NS	NS	0.079 U	0.076 U	0.075 U
2,6-Dinitrotoluene	NS	NS	0.079 U	0.076 U	0.075 U
2-Chloronaphthalene	NS	NS	0.39 U	0.37 U	0.37 U
2-Chlorophenol	NS	NS	0.39 U	0.37 U	0.37 U
2-Methylnaphthalene	NS	NS	0.13 J	0.011 J	0.37 U
2-Methylphenol (O-Cresol)	0.33	100	0.39 U	0.37 U	0.37 U
2-Nitroaniline	NS	NS	0.39 U	0.37 U	0.37 U
2-Nitrophenol	NS	NS	0.39 U	0.37 U	0.37 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.15 U	0.15 U
3-Nitroaniline	NS	NS	0.39 U	0.37 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.31 U	0.30 U	0.30 U
4-Bromophenyl Phenyl Ether	NS	NS	0.39 U	0.37 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS	0.39 U	0.37 U	0.37 U
4-Chloroaniline	NS	NS	0.39 U	0.37 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.39 U	0.37 U	0.37 U
4-Methylphenol	34	0.33	0.011 U	0.010 U	0.010 U
4-Nitroaniline	NS	NS	0.39 U	0.37 U	0.37 U
4-Nitrophenol	NS	NS	0.79 U	0.76 U	0.75 U
Acenaphthene	20	100	0.39 U	0.37 U	0.43
Acenaphthylene	100	100	0.39 U	0.37 U	0.21 J
Acetophenone	NS	NS	0.034 J	0.37 U	0.37 U
Anthracene	100	100	0.39 U	0.37 U	0.28 J
Atrazine	NS	NS	0.017 U	0.017 U	0.016 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.048	0.037 U	0.037 U
Benzo(A)Pyrene	1.0	1.0	0.039 U	0.011 J	0.017 J
Benzo(B)Fluoranthene	1.0	1.0	0.075	0.037 U	0.037 U
Benzo(G,H,I)Perylene	100	100	0.53	0.22 J	0.072 J
Benzo(K)Fluoranthene	0.8	3.9	0.039 U	0.037 U	0.037 U
Benzy Butyl Phthalate	NS	NS	0.39 U	0.37 U	0.37 U
Biphenyl (Diphenyl)	NS	NS	0.39 U	0.37 U	0.37 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.39 U	0.37 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.039 U	0.037 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.39 UJ	0.37 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.30 J+	0.23 J	0.28 J
Caprolactam	NS	NS	0.028 U	0.027 U	0.026 U
Carbazole	NS	NS	0.012 J	0.37 U	0.37 U
Chrysene	1	3.9	0.066 J	0.015 J	0.044 J
Dibenz(A,H)Anthracene	0.33	0.33	0.039 U	0.037 U	0.037 U
Dibenzofuran	7	59	0.020 J	0.37 U	0.39
Diethyl Phthalate	NS	NS	0.040 J	0.37 U	0.37 U
Dimethyl Phthalate	NS	NS	0.39 U	0.37 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	0.068 J	0.37 U	0.37 U
Di-N-Octylphthalate	NS	NS	0.39 U	0.37 U	0.37 U
Fluoranthene	100	100	0.066 J	0.014 J	0.37 U
Fluorene	30	100	0.39 U	0.37 U	0.93
Hexachlorobenzene	0.33	1.2	0.039 U	0.037 U	0.037 U
Hexachlorobutadiene	NS	NS	0.079 U	0.076 U	0.075 U
Hexachlorocyclopentadiene	NS	NS	0.39 U	0.37 U	0.37 U
Hexachloroethane	NS	NS	0.039 U	0.037 U	0.037 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.12	0.037 U	0.024 J
Isophorone	NS	NS	0.16 U	0.15 U	0.15 U
Naphthalene	12	100	0.073 J	0.37 U	0.017 J
Nitrobenzene	NS	NS	0.039 U	0.037 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	0.039 U	0.037 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	0.39 U	0.37 U	0.37 U
Pentachlorophenol	0.8	6.7	0.31 U	0.30 U	0.30 U
Phenanthrene	100	100	0.12 J	0.37 U	2.5
Phenol	0.33	100	0.39 U	0.37 U	0.37 U
Pyrene	100	100	0.095 J	0.017 J	0.37 U
Total Conc	NS	NS	1.834	0.518	5.194

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 1 mg/kg	W108-SB-13(0-2)-20160714 460-116994-1 7/14/2016 1 mg/kg	W108-SB-14(0-2)-20160714 460-116994-2 7/14/2016 1 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 U	0.40 U	0.40 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.035 R	0.038 U	0.038 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.40 U	0.40 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.16 U	0.16 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.16 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.37 U	0.40 U	0.40 U
2,4-Dinitrophenol	NS	NS	0.30 U	0.33 U	0.32 U
2,4-Dinitrotoluene	NS	NS	0.075 U	0.082 U	0.081 U
2,6-Dinitrotoluene	NS	NS	0.075 U	0.082 U	0.081 U
2-Chloronaphthalene	NS	NS	0.37 U	0.40 U	0.40 U
2-Chlorophenol	NS	NS	0.37 U	0.40 U	0.40 U
2-Methylnaphthalene	NS	NS	0.026 J	0.032 J	0.40 U
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.40 U	0.40 U
2-Nitroaniline	NS	NS	0.37 U	0.40 U	0.40 U
2-Nitrophenol	NS	NS	0.37 U	0.40 U	0.40 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.16 U	0.16 U
3-Nitroaniline	NS	NS	0.37 U	0.40 U	0.40 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.30 U	0.33 U	0.32 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.40 U	0.40 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.40 U	0.40 U
4-Chloroaniline	NS	NS	0.37 U	0.40 U	0.40 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.40 U	0.40 U
4-Methylphenol	34	0.33	0.010 R	0.011 U	0.011 U
4-Nitroaniline	NS	NS	0.37 U	0.40 U	0.40 U
4-Nitrophenol	NS	NS	0.75 U	0.82 U	0.81 U
Acenaphthene	20	100	0.017 J	0.40 U	0.40 U
Acenaphthylene	100	100	0.37 U	0.40 U	0.40 U
Acetophenone	NS	NS	0.37 U	0.40 U	0.40 U
Anthracene	100	100	0.037 J	0.40 U	0.40 U
Atrazine	NS	NS	0.017 U	0.018 U	0.018 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.10	0.040 U	0.040 U
Benzo(A)Pyrene	1.0	1.0	0.069	0.013 J	0.040 U
Benzo(B)Fluoranthene	1.0	1.0	0.10	0.031 J	0.016 J
Benzo(G,H,I)Perylene	100	100	0.042 J	0.40 U	0.40 U
Benzo(K)Fluoranthene	0.8	3.9	0.041	0.040 U	0.040 U
BenzyI Butyl Phthalate	NS	NS	0.37 U	0.013 J	0.40 U
Biphenyl (Diphenyl)	NS	NS	0.37 U	0.40 U	0.40 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.40 U	0.40 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.040 U	0.040 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 U	0.40 U	0.40 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.51	0.11 J	0.050 J
Caprolactam	NS	NS	0.027 U	0.029 U	0.029 U
Carbazole	NS	NS	0.019 J	0.40 U	0.40 U
Chrysene	1	3.9	0.10 J	0.054 J	0.017 J
Dibenz(A,H)Anthracene	0.33	0.33	0.037 U	0.040 U	0.040 U
Dibenzofuran	7	59	0.017 J	0.40 U	0.40 U
Diethyl Phthalate	NS	NS	0.37 U	0.40 U	0.40 U
Dimethyl Phthalate	NS	NS	0.37 U	0.40 U	0.40 U
Di-N-Butyl Phthalate	NS	NS	0.37 U	0.020 J	0.40 U
Di-N-Octylphthalate	NS	NS	0.37 U	0.40 U	0.40 U
Fluoranthene	100	100	0.23 J	0.045 J	0.024 J
Fluorene	30	100	0.018 J	0.40 U	0.40 U
Hexachlorobenzene	0.33	1.2	0.037 U	0.040 U	0.040 U
Hexachlorobutadiene	NS	NS	0.075 U	0.082 U	0.081 U
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.40 U	0.40 U
Hexachloroethane	NS	NS	0.037 U	0.040 U	0.040 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.047	0.040 U	0.040 U
Isophorone	NS	NS	0.16	0.16 U	0.16 U
Naphthalene	12	100	0.025 J	0.075 J	0.40 U
Nitrobenzene	NS	NS	0.037 U	0.040 U	0.040 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.040 U	0.040 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.40 U	0.40 U
Pentachlorophenol	0.8	6.7	0.30 U	0.33 U	0.32 U
Phenanthrene	100	100	0.25 J	0.058 J	0.017 J
Phenol	0.33	100	0.37 U	0.40 U	0.40 U
Pyrene	100	100	0.20 J	0.039 J	0.021 J
Total Conc	NS	NS	2.008	0.49	0.145

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	W108-SB-15(0-2)-20160714 460-116994-8 7/14/2016 1 mg/kg	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 1 mg/kg	W108-SB-Y-20160714 460-116994-3 7/14/2016 1 mg/kg
1,2,4,5-Tetrachlorobenzene	NS	NS	0.39 U	0.39 U	0.36 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.037 UJ	0.036 U	0.034 U
2,4,5-Trichlorophenol	NS	NS	0.39 UJ	0.39 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	0.16 UJ	0.16 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.16 UJ	0.16 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.39 U	0.39 U	0.36 U
2,4-Dinitrophenol	NS	NS	0.31 R	0.31 U	0.29 U
2,4-Dinitrotoluene	NS	NS	0.079 U	0.078 U	0.074 U
2,6-Dinitrotoluene	NS	NS	0.079 U	0.078 U	0.074 U
2-Chloronaphthalene	NS	NS	0.39 U	0.39 U	0.36 U
2-Chlorophenol	NS	NS	0.39 U	0.39 U	0.36 U
2-Methylnaphthalene	NS	NS	0.39 U	0.026 J	0.36 U
2-Methylphenol (O-Cresol)	0.33	100	0.39 U	0.39 U	0.36 U
2-Nitroaniline	NS	NS	0.39 U	0.39 U	0.36 U
2-Nitrophenol	NS	NS	0.39 UJ	0.39 U	0.36 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.16 U	0.15 U
3-Nitroaniline	NS	NS	0.39 U	0.39 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.31 UJ	0.31 U	0.29 U
4-Bromophenyl Phenyl Ether	NS	NS	0.39 U	0.39 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	0.39 U	0.39 U	0.36 U
4-Chloroaniline	NS	NS	0.39 U	0.39 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.39 U	0.39 U	0.36 U
4-Methylphenol	34	0.33	0.011 U	0.011 U	0.0099 U
4-Nitroaniline	NS	NS	0.39 U	0.39 U	0.36 U
4-Nitrophenol	NS	NS	0.79 UJ	0.78 U	0.74 U
Acenaphthene	20	100	0.39 U	0.39 U	0.18 J
Acenaphthylene	100	100	0.39 U	0.39 U	0.099 J
Acetophenone	NS	NS	0.39 U	0.39 U	0.36 U
Anthracene	100	100	0.39 U	0.39 U	0.11 J
Atrazine	NS	NS	0.017 U	0.017 U	0.016 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	0.039 U	0.039 U	0.036 U
Benzo(A)Pyrene	1.0	1.0	0.013 J	0.039 U	0.036 U
Benzo(B)Fluoranthene	1.0	1.0	0.039 UJ	0.039 U	0.036 U
Benzo(G,H,I)Perylene	100	100	0.39 U	0.39 U	0.037 J
Benzo(K)Fluoranthene	0.8	3.9	0.039 UJ	0.039 U	0.036 U
Benzy Butyl Phthalate	NS	NS	0.39 U	0.39 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	0.39 U	0.39 U	0.36 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.39 U	0.39 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.039 UJ	0.039 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.39 U	0.39 UJ	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.17 J	0.18 J+	0.36 U
Caprolactam	NS	NS	0.028 U	0.028 U	0.026 U
Carbazole	NS	NS	0.39 U	0.39 U	0.36 U
Chrysene	1	3.9	0.013 J	0.39 U	0.013 J
Dibenz(A,H)Anthracene	0.33	0.33	0.039 U	0.039 U	0.036 U
Dibenzofuran	7	59	0.39 U	0.39 U	0.19 J
Diethyl Phthalate	NS	NS	0.39 U	0.39 U	0.36 U
Dimethyl Phthalate	NS	NS	0.39 U	0.39 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	0.39 U	0.024 J	0.36 U
Di-N-Octylphthalate	NS	NS	0.39 U	0.39 U	0.36 U
Fluoranthene	100	100	0.020 J	0.013 J	0.036 J
Fluorene	30	100	0.39 U	0.39 U	0.48
Hexachlorobenzene	0.33	1.2	0.039 U	0.039 U	0.036 U
Hexachlorobutadiene	NS	NS	0.079 U	0.078 UJ	0.074 U
Hexachlorocyclopentadiene	NS	NS	0.39 R	0.39 U	0.36 U
Hexachloroethane	NS	NS	0.039 UJ	0.039 UJ	0.036 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.039 U	0.039 U	0.036 U
Isophorone	NS	NS	0.16 U	0.043 J	0.15 U
Naphthalene	12	100	0.39 U	0.022 J	0.36 U
Nitrobenzene	NS	NS	0.039 U	0.039 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	0.039 U	0.039 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	0.39 U	0.39 U	0.36 U
Pentachlorophenol	0.8	6.7	0.31 UJ	0.31 U	0.29 U
Phenanthrene	100	100	0.019 J	0.39 U	0.96
Phenol	0.33	100	0.39 UJ	0.39 U	0.36 U
Pyrene	100	100	0.019 J	0.020 J	0.10 J
Total Conc	NS	NS	0.254	0.328	2.205

**Table 2**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
Semivolatile Organic Compounds

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	FB20160712-20160712* 460-116858-5 7/12/2016 1 µg/L	FB20160714-20160714* 460-116994-10 7/14/2016 1 µg/L
1,2,4,5-Tetrachlorobenzene	NS	NS	10 U	10 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.72 U	0.72 U
2,4,5-Trichlorophenol	NS	NS	10 U	10 U
2,4,6-Trichlorophenol	NS	NS	10 U	10 U
2,4-Dichlorophenol	NS	NS	10 U	10 U
2,4-Dimethylphenol	NS	NS	10 U	10 U
2,4-Dinitrophenol	NS	NS	21 U	21 U
2,4-Dinitrotoluene	NS	NS	2.1 U	2.1 U
2,6-Dinitrotoluene	NS	NS	2.1 U	2.1 U
2-Chloronaphthalene	NS	NS	10 U	10 U
2-Chlorophenol	NS	NS	10 U	10 U
2-Methylnaphthalene	NS	NS	10 U	10 U
2-Methylphenol (O-Cresol)	0.33	100	10 U	10 U
2-Nitroaniline	NS	NS	10 U	10 U
2-Nitrophenol	NS	NS	10 U	10 U
3,3'-Dichlorobenzidine	NS	NS	10 U	10 U
3-Nitroaniline	NS	NS	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	NS	21 U	21 U
4-Bromophenyl Phenyl Ether	NS	NS	10 U	10 U
4-Chloro-3-Methylphenol	NS	NS	10 U	10 U
4-Chloroaniline	NS	NS	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	NS	10 U	10 U
4-Methylphenol	34	0.33	0.91 U	0.91 U
4-Nitroaniline	NS	NS	10 U	10 U
4-Nitrophenol	NS	NS	21 U	21 U
Acenaphthene	20	100	10 U	10 U
Acenaphthylene	100	100	10 U	10 U
Acetophenone	NS	NS	3.3 J	2.3 J
Anthracene	100	100	10 U	10 U
Atrazine	NS	NS	0.80 U	0.80 U
Benzaldehyde	NS	NS	0.39 U	0.39 U
Benzo(A)Anthracene	1.0	1.0	1.0 U	1.0 U
Benzo(A)Pyrene	1.0	1.0	1.0 UJ	1.0 U
Benzo(B)Fluoranthene	1.0	1.0	1.0 U	1.0 U
Benzo(G,H,I)Perylene	100	100	10 UJ	10 U
Benzo(K)Fluoranthene	0.8	3.9	1.0 U	1.0 U
Benzyl Butyl Phthalate	NS	NS	10 U	10 U
Biphenyl (Diphenyl)	NS	NS	10 U	10 U
Bis(2-Chloroethoxy) Methane	NS	NS	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	1.0 U	1.0 U
Bis(2-Chloroisopropyl) Ether	NS	NS	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	2.1 U	2.1 U
Caprolactam	NS	NS	0.89 U	0.89 U
Carbazole	NS	NS	10 U	10 U
Chrysene	1	3.9	2.1 U	2.1 U
Dibenz(A,H)Anthracene	0.33	0.33	1.0 UJ	1.0 U
Dibenzofuran	7	59	10 U	10 U
Diethyl Phthalate	NS	NS	10 U	10 U
Dimethyl Phthalate	NS	NS	10 U	10 U
Di-N-Butyl Phthalate	NS	NS	10 U	10 U
Di-N-Octylphthalate	NS	NS	10 U	10 U
Fluoranthene	100	100	10 U	10 U
Fluorene	30	100	10 U	10 U
Hexachlorobenzene	0.33	1.2	1.0 U	1.0 U
Hexachlorobutadiene	NS	NS	1.0 U	1.0 U
Hexachlorocyclopentadiene	NS	NS	10 UJ	10 U
Hexachloroethane	NS	NS	1.0 U	1.0 U
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	1.0 UJ	1.0 U
Isophorone	NS	NS	10 U	10 U
Naphthalene	12	100	10 U	10 U
Nitrobenzene	NS	NS	1.0 U	1.0 U
N-Nitrosodi-N-Propylamine	NS	NS	1.0 U	1.0 U
N-Nitrosodiphenylamine	NS	NS	10 U	10 U
Pentachlorophenol	0.8	6.7	21 U	21 U
Phenanthrene	100	100	10 U	10 U
Phenol	0.33	100	10 U	10 U
Pyrene	100	100	10 U	10 U
Total Conc	NS	NS	3.3	2.3

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 1 And 20	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 1 And 20	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 1 And 20	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 1 And 20	W108-SB-3(0-2)-20160712 460-116858-9 7/12/2016 1 And 20
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	NS	NS	10,600	12,900	16,600	8,030	10,400
Antimony	NS	NS	0.52 J	1.1 U	1 U	1.1 U	1.2 UJ
Arsenic	13	16	13.1	18.5	2.6	1.5	1.7
Barium	350	400	141	144	201	82.4	67.6
Beryllium	7.2	72	0.53	0.36 J	0.51	0.34 J	0.54
Cadmium	2.5	4.3	1.1 U	1.1 U	1 U	1.1 U	1.2 U
Calcium	NS	NS	32,200	3,850	34,200	1,730	1,080 J+
Chromium, Hexavalent	1.0	110	2.6 U	2.6 U	2.3 U	2.3 U	2.4 U
Chromium, Total	NS	NS	21.3	35.3	42.5	20.8	23.1
Cobalt	NS	NS	6.9	8.6	12.4	4.1	11.9
Copper	50	270	28.3	29.6	21.1	16.4	14.4
Iron	NS	NS	13,100	18,400	23,400	12,200	16,000 J
Lead	63	400	345	307	44.7	11.3	7.2
Magnesium	NS	NS	4,400	5,440	8,860	2,930	3,080
Manganese	1,600	2,000	332	268	395	91.3	115
Mercury	0.18	0.81	0.11	0.14	0.19	0.045	0.020 U
Nickel	30	310	23	27.1	36.2	9.9	13.5 J
Potassium	NS	NS	2,050	4,190	8,270	2,630	1,560
Selenium	3.9	180	0.88 J	0.75 J	0.42 J	5.5 U	5.8 U
Silver	2	180	1.1 U	1.1 U	1 U	1.1 U	1.2 U
Sodium	NS	NS	186	121	957	120	63.3 J
Thallium	NS	NS	0.19 J	0.24 J	0.37 J	0.44 U	0.22 J
Vanadium	NS	NS	29.8	34.3	50.7	19.2	24.2 J
Zinc	109	10,000	125	126	80.1	31	43.9 J

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 1 And 20	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 1 And 20	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 1 And 20	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 1 And 20	W108-SB-6 (0-2)-20160712 460-116922-5 7/12/2016 1 And 20
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	NS	NS	8,880	9,980	5,800	9,710	8,880 J
Antimony	NS	NS	1.1 U	1.3 U	1 U	1.1 U	1.1 UJ
Arsenic	13	16	2.4	2.2	6.8	5.4	2.6
Barium	350	400	73.9	66.2	<b>421</b>	335	49.4 J
Beryllium	7.2	72	0.41 J	0.41 J	0.27 J	0.31 J	0.36 J
Cadmium	2.5	4.3	1.1 U	1.3 U	0.45 J	1.1 U	1.1 U
Calcium	NS	NS	2,890	9,160	22,200	22,600	45,500 J
Chromium, Hexavalent	1.0	110	2.6 U	2.6 U	2.3 U	2.4 U	2.3 U
Chromium, Total	NS	NS	14.2	19.1	16.5	19	11.3
Cobalt	NS	NS	4.3	5.5	4.3	8.9	6.3
Copper	50	270	11	11.4	26.6	24.5	11
Iron	NS	NS	10,300	10,100	11,300	20,000	11,900 J
Lead	63	400	<b>158</b>	11.2	<b>456</b>	<b>397</b>	49.3 J
Magnesium	NS	NS	1580	2,470	3,140	5,590	23,200 J
Manganese	1,600	2,000	152	99.2	228	306	264 J
Mercury	0.18	0.81	0.090	0.022 U	<b>0.43</b>	<b>0.36</b>	0.11
Nickel	30	310	8.4	12.7	13.1	19	10.2
Potassium	NS	NS	671	1,080	1,000	3,240	866
Selenium	3.9	180	0.44 J	6.3 U	5.1 U	5.3 U	5.5 U
Silver	2	180	1.1 U	1.3 U	1 U	1.1 U	1.1 U
Sodium	NS	NS	110 J	301	161	178	96.6 J
Thallium	NS	NS	0.46 U	0.5 U	0.41 U	0.43 U	0.44 U
Vanadium	NS	NS	20.2	19.9	36.6	28.8	15.9
Zinc	109	10,000	74.7	48.4	244	187	28

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-7 (0-2)-20160713 460-116922-1 7/13/2016 1 And 20	W108-SB-8 (0-2)-20160713 460-116922-3 7/13/2016 1 And 20	W108-SB-9 (0-2)-20160713 460-116922-2 7/13/2016 1 And 20	W108-SB-10 (0-2)-20160713 460-116922-4 7/13/2016 1 And 20	W108-SB-11(0-2)-20160714 460-116994-6 7/14/2016 1 And 20
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	NS	NS	10,000	10,100	15,800	17,100	401
Antimony	NS	NS	1.1 U	0.98 U	1.1 U	0.48 U	0.022 U
Arsenic	13	16	1.9	1.5	2	1.9	0.051
Barium	350	400	103	61.8	111	144	6.2
Beryllium	7.2	72	0.53	0.44	0.34 J	0.42 J	0.0097
Cadmium	2.5	4.3	1.1 U	0.98 U	1.1 U	0.36 U	0.022 U
Calcium	NS	NS	48,700	9,620	19,900	18,200	430
Chromium, Hexavalent	1.0	110	2.3 U	2.2 U	2.3 U	0.98 U	2.2 U
Chromium, Total	NS	NS	19.7	24.3	25.4	30.1	0.59
Cobalt	NS	NS	6.7	7.9	18.9	19.8	0.37
Copper	50	270	24.3	33.8	13.2	17.6	1.4
Iron	NS	NS	11,300	16,100	27,700	32,300	726
Lead	63	400	18	8.3	58.8	28.1	0.48
Magnesium	NS	NS	5,420	4,490	9,160	9870	245
Manganese	1,600	2,000	307	219	477	407	8.1
Mercury	0.18	0.81	0.084	0.016 J	0.014 J	0.049	0.15
Nickel	30	310	16.2	17.9	36.2	38.7	0.47
Potassium	NS	NS	2,460	2,560	7,560	6,620	269
Selenium	3.9	180	5.7 U	4.9 U	5.5 U	0.45 U	0.012 J
Silver	2	180	1.1 U	0.98 U	1.1 U	0.87 U	0.022 U
Sodium	NS	NS	398	254	269	382	29.6
Thallium	NS	NS	0.46 U	0.17 J	0.36 J	0.31 J	0.011
Vanadium	NS	NS	22.1	31.9	36.3	36.8	1.8
Zinc	109	10,000	39.5	39	103	121	1.7

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-12 (0-2)-20160711 460-116807-1 7/11/2016 1 And 20	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 1 And 20	W108-SB-12B(2-4)-20160714 460-116994-7 7/14/2016 1 And 20	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 1 And 20	W108-SB-13(0-2)-20160714 460-116994-1 7/14/2016 1 And 20
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	NS	NS	9,780	188	274	205	281
Antimony	NS	NS	0.94 J	0.012 J	0.022 U	0.023 U	0.025 U
Arsenic	13	16	8.6	0.085	0.029	0.087	0.11
Barium	350	400	392	2.4	3	3.1	3.1
Beryllium	7.2	72	0.27 J	0.0055 J	0.0095	0.0093	0.017
Cadmium	2.5	4.3	6.3	0.021 J	0.022 U	0.023 U	0.025 U
Calcium	NS	NS	15,900	904	71.4	945	1,050
Chromium, Hexavalent	1.0	110	1.9 J	2.3 U	2.2 U	2.3 U	2.5 U
Chromium, Total	NS	NS	42.5	0.35	0.48	0.36	0.48
Cobalt	NS	NS	8.9	0.15	0.21	0.16	0.18
Copper	50	270	88.5	0.85	0.75	0.71	0.7
Iron	NS	NS	24,800	282	376	338	429
Lead	63	400	1,990	25.2	2.2	3	1.1
Magnesium	NS	NS	3,880	94.8	82.4	106	98.1
Manganese	1,600	2,000	275	4.2	4.2	4.1	5.9
Mercury	0.18	0.81	0.46	0.21	0.032	0.32	0.045
Nickel	30	310	26.6	0.34	0.37	0.33	0.48
Potassium	NS	NS	3,810	48.4	103	100	74.5
Selenium	3.9	180	1.6 J	0.01 J	0.11 U	0.012 J	0.015 J
Silver	2	180	1.1 U	0.023 U	0.022 U	0.023 U	0.025 U
Sodium	NS	NS	414	10.5	5.4	43	15.2
Thallium	NS	NS	0.25 J	0.0091 U	0.0049 J	0.0049 J	0.0059 J
Vanadium	NS	NS	50.1	0.57	0.68	0.74	0.79
Zinc	109	10,000	679	6.1	1.5	1.4	1.6

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-14(0-2)-20160714 460-116994-2 7/14/2016 1 And 20	W108-SB-15(0-2)-20160714 460-116994-8 7/14/2016 1 And 20	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 1 And 20	W108-SB-Y-20160714 460-116994-3 7/14/2016 1 And 20	FB20160712-20160712* 460-116858-5 7/12/2016 1 And 2
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
Aluminum	NS	NS	489	264	9,390	304	40 U
Antimony	NS	NS	0.024 U	0.024 UJ	0.98 U	0.022 U	2 U
Arsenic	13	16	0.4	0.059	2.2	0.027	2 U
Barium	350	400	5.6	3.4 J	79.1	3.6	4 U
Beryllium	7.2	72	0.021	0.0087 J	0.53	0.011	0.8 U
Cadmium	2.5	4.3	0.024 U	0.024 U	0.98 U	0.022 U	2 U
Calcium	NS	NS	501	242	1,640	41.8	200 U
Chromium, Hexavalent	1.0	110	2.5 U	2.4 U	2.3 U	2.3 U	NA
Chromium, Total	NS	NS	1.5	0.56 J	23.1	0.51	4 U
Cobalt	NS	NS	0.39	0.17 J	6.1	0.24	4 U
Copper	50	270	1.3	0.31	18.8	0.79	4 U
Iron	NS	NS	753	343	14,200	489	120 U
Lead	63	400	3.6	0.4	9.4	0.98	1.2 U
Magnesium	NS	NS	266	109 J+	3,140	93.1	200 U
Manganese	1,600	2,000	9.9	4.4 J	121	4.9	8 U
Mercury	0.18	0.81	0.17	0.061 J+	0.027	0.033	0.20 U
Nickel	30	310	1.1	0.42 J	14.6	0.38	4 U
Potassium	NS	NS	180	89.9	2,310	122	200 U
Selenium	3.9	180	0.063 J	0.12 U	4.9 U	0.11 U	10 U
Silver	2	180	0.024 U	0.024 U	0.98 U	0.022 U	2 U
Sodium	NS	NS	13.6	10.7	123	3.6	200 U
Thallium	NS	NS	0.021	0.0052 J	0.15 J	0.0057 J	0.8 U
Vanadium	NS	NS	1.5	0.71 J	28.6	0.78	4 U
Zinc	109	10,000	3.1	0.89	35.2	1.2	16 U

**Table 3**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
 Soil Analytical Results  
*Metals*

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	FB20160714-20160714* 460-116994-10 7/14/2016 1 And 2 µg/L
Aluminum	NS	NS	40 U
Antimony	NS	NS	2 U
Arsenic	13	16	2 U
Barium	350	400	4 U
Beryllium	7.2	72	0.8 U
Cadmium	2.5	4.3	2 U
Calcium	NS	NS	200 U
Chromium, Hexavalent	1.0	110	NA
Chromium, Total	NS	NS	4 U
Cobalt	NS	NS	4 U
Copper	50	270	4 U
Iron	NS	NS	120 U
Lead	63	400	1.2 U
Magnesium	NS	NS	200 U
Manganese	1,600	2,000	8 U
Mercury	0.18	0.81	0.20 U
Nickel	30	310	4 U
Potassium	NS	NS	200 U
Selenium	3.9	180	10 U
Silver	2	180	2 U
Sodium	NS	NS	200 U
Thallium	NS	NS	0.8 U
Vanadium	NS	NS	4 U
Zinc	109	10,000	16 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 1	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 1	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 1	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 1	W108-SB-3(0-2)-20160712 460-116858-9 7/12/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>PCBs</b>							
PCB-1016 (Aroclor 1016)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1221 (Aroclor 1221)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1232 (Aroclor 1232)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1242 (Aroclor 1242)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1248 (Aroclor 1248)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1254 (Aroclor 1254)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1260 (Aroclor 1260)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1262 (Aroclor 1262)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
PCB-1268 (Aroclor 1268)	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
<b>Total Polychlorinated Biphenyl (PCBs)</b>	<b>0.1</b>	<b>1.0</b>	<b>0.087 U</b>	<b>0.086 U</b>	<b>0.076 U</b>	<b>0.076 U</b>	<b>0.081 U</b>
<b>Pesticides</b>							
Aldrin	0.005	0.097	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0026 U	0.0026 U	0.0023 U	0.0023 U	0.0024 U
Alpha Endosulfan	2.4	24	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0026 U	0.0026 U	0.0023 U	0.0023 U	0.0024 U
Beta Endosulfan	2.4	24	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Chlordane	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0026 U	0.0026 U	0.0023 U	0.0023 U	0.0024 U
Dieldrin	0.005	0.2	0.0026 U	0.0026 U	0.0023 U	0.0023 U	0.0024 U
Endosulfan Sulfate	2.4	24	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Endrin	0.014	11	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Endrin Aldehyde	NS	NS	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Endrin Ketone	NS	NS	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Gamma Bhc (Lindane)	0.1	1.3	0.0026 U	0.0026 U	0.0023 U	0.0023 U	0.0024 U
Heptachlor	0.042	2.1	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Heptachlor Epoxide	NS	NS	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Methoxychlor	NS	NS	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
P,P'-DDD	0.0033	13	0.0044 J	0.0033 J	0.0076 U	0.0076 U	0.0081 U
P,P'-DDE	0.0033	8.9	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
P,P'-DDT	0.0033	7.9	0.0087 U	0.0086 U	0.0076 U	0.0076 U	0.0081 U
Toxaphene	NS	NS	0.087 U	0.086 U	0.076 U	0.076 U	0.081 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 1	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 1	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 1	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 1	W108-SB-6 (0-2)-20160712 460-116922-5 7/12/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>PCBs</b>							
PCB-1016 (Aroclor 1016)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1221 (Aroclor 1221)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1232 (Aroclor 1232)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1242 (Aroclor 1242)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1248 (Aroclor 1248)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1254 (Aroclor 1254)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1260 (Aroclor 1260)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1262 (Aroclor 1262)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
PCB-1268 (Aroclor 1268)	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
<b>Total Polychlorinated Biphenyl (PCBs)</b>	<b>0.1</b>	<b>1.0</b>	<b>0.085 U</b>	<b>0.091 U</b>	<b>0.075 U</b>	<b>0.079 U</b>	<b>0.077 U</b>
<b>Pesticides</b>							
Aldrin	0.005	0.097	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0025 U	0.0027 U	0.0022 U	0.0023 U	0.0023 U
Alpha Endosulfan	2.4	24	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0025 U	0.0027 U	0.0022 U	0.0023 U	0.0023 U
Beta Endosulfan	2.4	24	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Chlordane	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0025 U	0.0027 U	0.0022 U	0.0023 U	0.0023 U
Dieldrin	0.005	0.2	0.0025 U	0.0027 U	<b>0.0088 J</b>	0.0023 U	0.0023 U
Endosulfan Sulfate	2.4	24	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Endrin	0.014	11	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Endrin Aldehyde	NS	NS	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Endrin Ketone	NS	NS	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Gamma Bhc (Lindane)	0.1	1.3	0.0025 U	0.0027 U	0.0022 U	0.0023 U	0.0023 U
Heptachlor	0.042	2.1	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Heptachlor Epoxide	NS	NS	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
Methoxychlor	NS	NS	0.0085 U	0.0091 U	0.0075 U	0.0079 U	0.0077 U
P,P'-DDD	0.0033	13	0.0085 U	0.0091 U	<b>0.0051 J</b>	0.0079 U	0.0077 U
P,P'-DDE	0.0033	8.9	0.0085 U	0.0091 U	<b>0.0052 J</b>	0.0031 J	0.0077 U
P,P'-DDT	0.0033	7.9	0.0085 U	0.0091 U	<b>0.019</b>	<b>0.0097</b>	0.0077 U
Toxaphene	NS	NS	0.085 U	0.091 U	0.075 U	0.079 U	0.077 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-7 (0-2)-20160713 460-116922-1 7/13/2016 1	W108-SB-8 (0-2)-20160713 460-116922-3 7/13/2016 1	W108-SB-9 (0-2)-20160713 460-116922-2 7/13/2016 1	W108-SB-10 (0-2)-20160713 460-116922-4 7/13/2016 1	W108-SB-11(0-2)-20160714 460-116994-6 7/14/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>PCBs</b>							
PCB-1016 (Aroclor 1016)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1221 (Aroclor 1221)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1232 (Aroclor 1232)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1242 (Aroclor 1242)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1248 (Aroclor 1248)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1254 (Aroclor 1254)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1260 (Aroclor 1260)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1262 (Aroclor 1262)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
PCB-1268 (Aroclor 1268)	NS	NS	0.079 U	0.076 U	0.080 U	0.011 U	0.074 U
<b>Total Polychlorinated Biphenyl (PCBs)</b>	<b>0.1</b>	<b>1.0</b>	<b>0.079 U</b>	<b>0.076 U</b>	<b>0.080 U</b>	<b>0.011 U</b>	<b>0.074 U</b>
<b>Pesticides</b>							
Aldrin	0.005	0.097	0.0079 U	0.0076 U	0.0080 U	0.0010 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0023 U	0.0024 U	0.0011 U	0.0022 U
Alpha Endosulfan	2.4	24	0.0079 U	0.0076 U	0.0080 U	0.00081 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0023 U	0.0024 U	0.00096 U	0.0022 U
Beta Endosulfan	2.4	24	0.0079 U	0.0076 U	0.0080 U	0.00072 U	0.0074 U
Chlordane	NS	NS	0.079 U	0.076 U	0.080 U	0.00077 U	0.074 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0023 U	0.0024 U	0.035 U	0.0022 U
Dieldrin	0.005	0.2	0.0023 U	0.0023 U	0.0024 U	0.00086 U	0.0022 U
Endosulfan Sulfate	2.4	24	0.0079 U	0.0076 U	0.0080 U	0.0010 U	0.0074 U
Endrin	0.014	11	0.0079 U	0.0076 U	0.0080 U	0.0011 U	0.0074 U
Endrin Aldehyde	NS	NS	0.0079 U	0.0076 U	0.0080 U	0.0012 U	0.0074 U
Endrin Ketone	NS	NS	0.0079 U	0.0076 U	0.0080 U	0.00092 U	0.0074 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0023 U	0.0024 U	0.0010 U	0.0022 U
Heptachlor	0.042	2.1	0.0079 U	0.0076 U	0.0080 U	0.00098 U	0.0074 U
Heptachlor Epoxide	NS	NS	0.0079 U	0.0076 U	0.0080 U	0.0011 U	0.0074 U
Methoxychlor	NS	NS	0.0079 U	0.0076 U	0.0080 U	0.00071 U	0.0074 U
P,P'-DDD	0.0033	13	0.0079 U	0.0076 U	0.0080 U	0.0010 U	0.0074 U
P,P'-DDE	0.0033	8.9	0.0079 U	0.0076 U	0.0080 U	0.0015 U	0.0074 U
P,P'-DDT	0.0033	7.9	0.0079 U	0.0076 U	0.0080 U	0.0017 U	0.0074 U
Toxaphene	NS	NS	0.079 U	0.076 U	0.080 U	0.023 U	0.074 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-12 (0-2)-20160711 460-116807-1 7/11/2016 1	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 1	W108-SB-12B(2-4)-20160714 460-116994-7 7/14/2016 1	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 1	W108-SB-13(0-2)-20160714 460-116994-1 7/14/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
<b>PCBs</b>							
PCB-1016 (Aroclor 1016)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1221 (Aroclor 1221)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1232 (Aroclor 1232)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1242 (Aroclor 1242)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1248 (Aroclor 1248)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1254 (Aroclor 1254)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1260 (Aroclor 1260)	NS	NS	0.057 J	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1262 (Aroclor 1262)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
PCB-1268 (Aroclor 1268)	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
Total Polychlorinated Biphenyl (PCBs)	0.1	1.0	0.057 J	0.076 U	0.075 U	0.076 U	0.082 U
<b>Pesticides</b>							
Aldrin	0.005	0.097	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0024 U	0.0023 U	0.0022 U	0.0023 U	0.0025 U
Alpha Endosulfan	2.4	24	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0024 U	0.0023 U	0.0022 U	0.0023 U	0.0025 U
Beta Endosulfan	2.4	24	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Chlordane	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0024 U	0.0023 U	0.0022 U	0.0023 U	0.0025 U
Dieldrin	0.005	0.2	0.0024 U	0.0023 U	0.0022 U	0.0023 U	0.0025 U
Endosulfan Sulfate	2.4	24	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Endrin	0.014	11	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Endrin Aldehyde	NS	NS	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Endrin Ketone	NS	NS	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Gamma Bhc (Lindane)	0.1	1.3	0.0024 U	0.0023 U	0.0022 U	0.0023 U	0.0025 U
Heptachlor	0.042	2.1	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Heptachlor Epoxide	NS	NS	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Methoxychlor	NS	NS	0.0079 U	0.0076 U	0.0075 U	0.0076 U	0.0082 U
P,P'-DDD	0.0033	13	0.0035 J	0.0076 U	0.0075 U	0.0076 U	0.0082 U
P,P'-DDE	0.0033	8.9	0.0020 J	0.0076 U	0.0075 U	0.0076 U	0.0082 U
P,P'-DDT	0.0033	7.9	0.019	0.0076 U	0.0075 U	0.0076 U	0.0082 U
Toxaphene	NS	NS	0.079 U	0.076 U	0.075 U	0.076 U	0.082 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location Lab ID Date Sampled Dilution Factor	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	W108-SB-14(0-2)-20160714 460-116994-2 7/14/2016 1	W108-SB-15(0-2)-20160714 460-116994-8 7/14/2016 1	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 1	W108-SB-Y-20160714 460-116994-3 7/14/2016 1	FB20160712-20160712* 460-116858-5 7/12/2016 1
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L
<b>PCBs</b>							
PCB-1016 (Aroclor 1016)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1221 (Aroclor 1221)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1232 (Aroclor 1232)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1242 (Aroclor 1242)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1248 (Aroclor 1248)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1254 (Aroclor 1254)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1260 (Aroclor 1260)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1262 (Aroclor 1262)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
PCB-1268 (Aroclor 1268)	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.40 U
<b>Total Polychlorinated Biphenyl (PCBs)</b>	<b>0.1</b>	<b>1.0</b>	<b>0.081 U</b>	<b>0.079 U</b>	<b>0.078 U</b>	<b>0.074 U</b>	<b>0.40 U</b>
<b>Pesticides</b>							
Aldrin	0.005	0.097	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0024 U	0.0024 U	0.0023 U	0.0022 U	0.020 U
Alpha Endosulfan	2.4	24	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0024 U	0.0024 U	0.0023 U	0.0022 U	0.020 U
Beta Endosulfan	2.4	24	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Chlordane	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.50 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0024 U	0.0024 U	0.0023 U	0.0022 U	0.020 U
Dieldrin	0.005	0.2	0.0024 U	0.0024 U	0.0023 U	0.0022 U	0.020 U
Endosulfan Sulfate	2.4	24	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Endrin	0.014	11	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Endrin Aldehyde	NS	NS	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Endrin Ketone	NS	NS	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Gamma Bhc (Lindane)	0.1	1.3	0.0024 U	0.0024 U	0.0023 U	0.0022 U	0.020 U
Heptachlor	0.042	2.1	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Heptachlor Epoxide	NS	NS	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Methoxychlor	NS	NS	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
P,P'-DDD	0.0033	13	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
P,P'-DDE	0.0033	8.9	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
P,P'-DDT	0.0033	7.9	0.0081 U	0.0079 U	0.0078 U	0.0074 U	0.020 U
Toxaphene	NS	NS	0.081 U	0.079 U	0.078 U	0.074 U	0.50 U

**Table 4**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location	NYSDEC Part 375 Unrestricted SCO	NYSDEC Part 375 Restricted Residential SCO	FB20160714-20160714* 460-116994-10 7/14/2016 1
Unit	mg/kg	mg/kg	µg/L
<b>PCBs</b>			
PCB-1016 (Aroclor 1016)	NS	NS	0.40 U
PCB-1221 (Aroclor 1221)	NS	NS	0.40 U
PCB-1232 (Aroclor 1232)	NS	NS	0.40 U
PCB-1242 (Aroclor 1242)	NS	NS	0.40 U
PCB-1248 (Aroclor 1248)	NS	NS	0.40 U
PCB-1254 (Aroclor 1254)	NS	NS	0.40 U
PCB-1260 (Aroclor 1260)	NS	NS	0.40 U
PCB-1262 (Aroclor 1262)	NS	NS	0.40 U
PCB-1268 (Aroclor 1268)	NS	NS	0.40 U
Total Polychlorinated Biphenyl (PCBs)	0.1	1.0	0.40 U
<b>Pesticides</b>			
Aldrin	0.005	0.097	0.020 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.020 U
Alpha Endosulfan	2.4	24	0.020 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.020 U
Beta Endosulfan	2.4	24	0.020 U
Chlordane	NS	NS	0.50 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.020 U
Dieldrin	0.005	0.2	0.020 U
Endosulfan Sulfate	2.4	24	0.020 U
Endrin	0.014	11	0.020 U
Endrin Aldehyde	NS	NS	0.020 U
Endrin Ketone	NS	NS	0.020 U
Gamma Bhc (Lindane)	0.1	1.3	0.020 U
Heptachlor	0.042	2.1	0.020 U
Heptachlor Epoxide	NS	NS	0.020 U
Methoxychlor	NS	NS	0.020 U
P,P'-DDD	0.0033	13	0.020 U
P,P'-DDE	0.0033	8.9	0.020 U
P,P'-DDT	0.0033	7.9	0.020 U
Toxaphene	NS	NS	0.50 U

**Table 5**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Vapor and Ambient Air Analytical Results  
*Volatile Organic Compounds*

Location Lab ID Date Sampled Dilution Factor	NYSDOH 2006 Soil Vapor Intrusion Air Guideline Value (Matrix Value)	W108-SV-1-20160711 200-34365-1 7/11/2016 1	W108-SV-2-20160711 200-34365-2 7/11/2016 2	W108-SV-3-20160711 200-34365-3 7/11/2016 2.5
Unit	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
1,1,1-Trichloroethane	NS (100)	1.1 U	2.2 U	2.7 U
1,1,2,2-Tetrachloroethane	NS	1.4 U	2.7 U	3.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	1.5 U	3.1 U	3.8 U
1,1,2-Trichloroethane	NS	1.1 U	2.2 U	2.7 U
1,1-Dichloroethane	NS	0.81 U	1.6 U	2.0 U
1,1-Dichloroethene	NS	0.79 U	1.6 U	2.0 U
1,2,4-Trichlorobenzene	NS	3.7 U	7.4 U	9.3 U
1,2,4-Trimethylbenzene	NS	37	32	34
1,2-Dibromoethane (Ethylene Dibromide)	NS	1.5 U	3.1 U	3.8 U
1,2-Dichlorobenzene	NS	1.2 U	2.4 U	3.0 U
1,2-Dichloroethane	NS	0.81 U	2.7	2.0 U
1,2-Dichloropropane	NS	0.92 U	1.8 U	2.3 U
1,2-Dichlorotetrafluoroethane	NS	1.4 U	2.8 U	3.5 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	9.9	8.7	9.6
1,3-Butadiene	NS	0.44 U	0.88 U	1.8
1,3-Dichlorobenzene	NS	1.2 U	2.4 U	3.0 U
1,4-Dichlorobenzene	NS	1.2 U	2.4 U	3.0 U
1,4-Dioxane (P-Dioxane)	NS	18 U	36 U	45 U
2,2,4-Trimethylpentane	NS	4.4	6.3	4.5
2-Chlorotoluene	NS	1.0 U	2.1 U	2.6 U
2-Hexanone	NS	4.4	4.1 U	5.1 U
4-Ethyltoluene	NS	12	9.4	12
Acetone	NS	29	32	37
Benzene	NS	7.3	38	30
Bromodichloromethane	NS	1.3 U	2.7 U	3.4 U
Bromoform	NS	2.1 U	4.1 U	5.2 U
Bromomethane	NS	0.78 U	1.6 U	1.9 U
Carbon Disulfide	NS	4.8	21	9.6
Carbon Tetrachloride	NS (5)	1.3 U	2.5 U	3.1 U
Chlorobenzene	NS	0.92 U	1.8 U	2.3 U
Chloroethane	NS	1.3 U	2.6 U	3.3 U
Chloroform	NS	0.98 U	6.1	2.4 U
Chloromethane	NS	1.0 U	2.1 U	2.6 U
Cis-1,2-Dichloroethylene	NS	0.79 U	1.6 U	2.0 U
Cis-1,3-Dichloropropene	NS	0.91 U	1.8 U	2.3 U
Cyclohexane	NS	5.5	6.2	17
Dibromochloromethane	NS	1.7 U	3.4 U	4.3 U
Dichlorodifluoromethane	NS	3.9	4.9 U	6.2 U
Dichloroethylenes	NS	1.6 U	3.2 U	4.0 U
Ethylbenzene	NS	23	21	25
Hexachlorobutadiene	NS	2.1 U	4.3 U	5.3 U
Isopropanol	NS	12 U	25 U	31 U
M,P-Xylenes	NS	84	79	90
Methyl Ethyl Ketone (2-Butanone)	NS	20	13	21
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	2.0 U	4.1 U	5.1 U
Methylene Chloride	60	1.7 U	3.5 U	4.3 U
N-Heptane	NS	12	19	48
N-Hexane	NS	22	61	230
O-Xylene (1,2-Dimethylbenzene)	NS	31	29	32
Styrene	NS	5.7	4.4	5.2
Tert-Butyl Alcohol	NS	15 U	30 U	38 U
Tert-Butyl Methyl Ether	NS	0.72 U	1.4 U	1.8 U
Tetrachloroethylene (PCE)	30 (100)	29	5.6	3.8
Tetrahydrofuran	NS	15 U	29 U	37 U
Toluene	NS	150	230	300
Trans-1,2-Dichloroethene	NS	0.79 U	1.6 U	2.0 U
Trans-1,3-Dichloropropene	NS	0.91 U	1.8 U	2.3 U
Trichloroethylene (TCE)	2 (5)	1.1 U	2.1 U	2.7 U
Trichlorofluoromethane	NS	1.3	2.2 U	2.8 U
Vinyl Bromide	NS	0.87 U	1.7 U	2.2 U
Vinyl Chloride	NS	0.51 U	1.0 U	1.3 U
Xylenes, Total	NS	110	110	120

**Table 5**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Vapor and Ambient Air Analytical Results  
*Volatile Organic Compounds*

Location	NYSDOH 2006	W108-SV-4-20160711	W108-SV-5-20160711	W108-SV-6-20160711
Lab ID	Soil Vapor	200-34365-4	200-34365-5	200-34365-6
Date Sampled	Intrusion	7/11/2016	7/11/2016	7/11/2016
Dilution Factor	Air Guideline Value (Matrix Value)	1.5	17.3	1
Unit	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
1,1,1-Trichloroethane	NS (100)	1.6 U	19 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	2.1 U	24 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	2.3 U	27 U	1.5 U
1,1,2-Trichloroethane	NS	1.6 U	19 U	1.1 U
1,1-Dichloroethane	NS	1.2 U	14 U	0.81 U
1,1-Dichloroethene	NS	1.2 U	14 U	0.79 U
1,2,4-Trichlorobenzene	NS	5.6 U	64 U	3.7 U
1,2,4-Trimethylbenzene	NS	26	27	2.6
1,2-Dibromoethane (Ethylene Dibromide)	NS	2.3 U	27 U	1.5 U
1,2-Dichlorobenzene	NS	1.8 U	21 U	1.2 U
1,2-Dichloroethane	NS	1.2 U	14 U	0.81 U
1,2-Dichloropropane	NS	1.4 U	16 U	0.92 U
1,2-Dichlorotetrafluoroethane	NS	2.1 U	24 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	7.3	17 U	0.98 U
1,3-Butadiene	NS	0.66 U	7.7 U	0.44 U
1,3-Dichlorobenzene	NS	1.8 U	21 U	1.2 U
1,4-Dichlorobenzene	NS	1.8 U	21 U	1.2 U
1,4-Dioxane (P-Dioxane)	NS	27 U	310 U	18 U
2,2,4-Trimethylpentane	NS	4.3	29	0.93 U
2-Chlorotoluene	NS	1.6 U	18 U	1.0 U
2-Hexanone	NS	3.7	35 U	2.0 U
4-Ethyltoluene	NS	7.9	17 U	0.98 U
Acetone	NS	73	210 U	12 U
Benzene	NS	7.8	21	0.80
Bromodichloromethane	NS	2.0 U	23 U	1.3 U
Bromoform	NS	3.1 U	36 U	2.1 U
Bromomethane	NS	1.2 U	13 U	0.78 U
Carbon Disulfide	NS	29	27 U	1.6 U
Carbon Tetrachloride	NS (5)	1.9 U	22 U	1.3 U
Chlorobenzene	NS	1.4 U	16 U	0.92 U
Chloroethane	NS	2.0 U	23 U	1.3 U
Chloroform	NS	1.5 U	17 U	0.98
Chloromethane	NS	1.5 U	18 U	1.0 U
Cis-1,2-Dichloroethylene	NS	1.2 U	14 U	0.79 U
Cis-1,3-Dichloropropene	NS	1.4 U	16 U	0.91 U
Cyclohexane	NS	5.9	12 U	0.69 U
Dibromochloromethane	NS	2.6 U	29 U	1.7 U
Dichlorodifluoromethane	NS	3.7 U	43 U	2.5 U
Dichloroethylenes	NS	2.4 U	27 U	1.6 U
Ethylbenzene	NS	40	27	1.3
Hexachlorobutadiene	NS	3.2 U	37 U	2.1 U
Isopropanol	NS	18 U	210 U	12 U
M,P-Xylenes	NS	97	93	5.1
Methyl Ethyl Ketone (2-Butanone)	NS	25	26 U	1.5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	3.1 U	35 U	2.0 U
Methylene Chloride	60	2.6 U	30 U	1.7 U
N-Heptane	NS	10	14	0.84
N-Hexane	NS	15	300	0.76
O-Xylene (1,2-Dimethylbenzene)	NS	39	37	1.9
Styrene	NS	5.8	15 U	0.85 U
Tert-Butyl Alcohol	NS	23 U	260 U	15 U
Tert-Butyl Methyl Ether	NS	1.1 U	12 U	0.72 U
Tetrachloroethylene (PCE)	30 (100)	3.4	23 U	1.4 U
Tetrahydrofuran	NS	22 U	260 U	15 U
Toluene	NS	150	1,400	9.1
Trans-1,2-Dichloroethene	NS	1.2 U	14 U	0.79 U
Trans-1,3-Dichloropropene	NS	1.4 U	16 U	0.91 U
Trichloroethylene (TCE)	2 (5)	1.6 U	19 U	1.1 U
Trichlorofluoromethane	NS	1.7 U	19 U	1.1 U
Vinyl Bromide	NS	1.3 U	15 U	0.87 U
Vinyl Chloride	NS	0.77 U	8.8 U	0.51 U
Xylenes, Total	NS	130	130	7.1

**Table 5**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Soil Vapor and Ambient Air Analytical Results  
*Volatile Organic Compounds*

Location Lab ID Date Sampled Dilution Factor  Unit	NYSDOH 2006 Soil Vapor Intrusion Air Guideline Value (Matrix Value)  µg/m <sup>3</sup>	W108-SV-7-20160711 200-34365-7 7/11/2016 1.5  µg/m <sup>3</sup>	W108-SV-8-20160711 200-34365-8 7/11/2016 1  µg/m <sup>3</sup>	W108-AA-1-20160711* 200-34365-9 7/11/2016 1  µg/m <sup>3</sup>
1,1,1-Trichloroethane	NS (100)	3.2	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	2.1 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	2.3 U	1.5 U	1.5 U
1,1,2-Trichloroethane	NS	1.6 U	1.1 U	1.1 U
1,1-Dichloroethane	NS	3.6	0.81 U	0.81 U
1,1-Dichloroethene	NS	1.2 U	0.79 U	0.79 U
1,2,4-Trichlorobenzene	NS	5.6 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	NS	32	6.1	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	2.3 U	1.5 U	1.5 U
1,2-Dichlorobenzene	NS	1.8 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	1.2 U	0.81 U	0.81 U
1,2-Dichloropropane	NS	1.4 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	NS	2.1 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	8.9	2.8	0.98 U
1,3-Butadiene	NS	0.66 U	6.1	0.44 U
1,3-Dichlorobenzene	NS	1.8 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.8 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	NS	27 U	18 U	18 U
2,2,4-Trimethylpentane	NS	2.4	11	0.93 U
2-Chlorotoluene	NS	1.6 U	1.0 U	1.0 U
2-Hexanone	NS	3.2	4.7	2.0 U
4-Ethyltoluene	NS	9.7	4.1	0.98 U
Acetone	NS	18	67	12 U
Benzene	NS	4.6	16	0.64 U
Bromodichloromethane	NS	2.0 U	1.3 U	1.3 U
Bromoform	NS	3.1 U	2.1 U	2.1 U
Bromomethane	NS	1.2 U	0.78 U	0.78 U
Carbon Disulfide	NS	2.3 U	8.6	1.6 U
Carbon Tetrachloride	NS (5)	1.9 U	1.3 U	1.3 U
Chlorobenzene	NS	1.4 U	0.92 U	0.92 U
Chloroethane	NS	2.0 U	1.3 U	1.3 U
Chloroform	NS	3.9	19	0.98 U
Chloromethane	NS	1.5 U	1.0 U	1.0 U
Cis-1,2-Dichloroethylene	NS	1.2 U	0.79 U	0.79 U
Cis-1,3-Dichloropropene	NS	1.4 U	0.91 U	0.91 U
Cyclohexane	NS	6.3	6.3	0.69 U
Dibromochloromethane	NS	2.6 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	3.7 U	2.5 U	2.5 U
Dichloroethylenes	NS	2.4 U	1.6 U	1.6 U
Ethylbenzene	NS	19	15	0.87 U
Hexachlorobutadiene	NS	3.2 U	2.1 U	2.1 U
Isopropanol	NS	18 U	12 U	12 U
M,P-Xylenes	NS	70	45	2.2 U
Methyl Ethyl Ketone (2-Butanone)	NS	7.3	49	1.7
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	3.1 U	4.3	2.0 U
Methylene Chloride	60	2.6 U	1.7 U	1.7 U
N-Heptane	NS	30	14	0.82 U
N-Hexane	NS	140	21	0.76
O-Xylene (1,2-Dimethylbenzene)	NS	26	14	0.87 U
Styrene	NS	4.5	1.7	0.85 U
Tert-Butyl Alcohol	NS	23 U	23	15 U
Tert-Butyl Methyl Ether	NS	1.1 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	30 (100)	22	2.3	1.4 U
Tetrahydrofuran	NS	22 U	15 U	15 U
Toluene	NS	130	120	2.9
Trans-1,2-Dichloroethene	NS	1.2 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	NS	1.4 U	0.91 U	0.91 U
Trichloroethylene (TCE)	2 (5)	1.6 U	1.1 U	1.1 U
Trichlorofluoromethane	NS	1.7 U	1.1 U	1.1 U
Vinyl Bromide	NS	1.3 U	0.87 U	0.87 U
Vinyl Chloride	NS	0.77 U	0.51 U	0.51 U
Xylenes, Total	NS	96	57	3.0 U

**Table 6**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
*Volatile Organic Compounds*

Location	NYSDEC	W108-MW-4-20160729	W108-MW-6-20160729	W108-MW-8-20160729
Lab ID	Ambient	460-117853-2	460-117853-4	460-117853-1
Date Sampled	Water	7/29/2016	7/29/2016	7/29/2016
Dilution Factor	Standards	1	1	1
Unit	µg/L	µg/L	µg/L	µg/L
1,1,2-Trichloroethane	1.0	0.080 U	0.080 U	0.080 U
1,1-Dichloroethane	5	0.24 U	0.24 U	0.24 U
1,1-Dichloroethene	5	0.34 U	0.34 U	0.34 U
1,2,3-Trichlorobenzene	5	0.35 U	0.35 U	0.35 U
1,2,4-Trichlorobenzene	5	0.27 U	0.27 U	0.27 U
1,2-Dibromo-3-Chloropropane	0.04	0.0070 U	0.0070 U	0.0070 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.0060 U	0.0060 U	0.0060 U
1,2-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U
1,2-Dichloroethane	0.6	0.25 U	0.25 U	0.25 U
1,2-Dichloropropane	1.0	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	3	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	3	0.33 U	0.33 U	0.33 U
1,4-Dioxane (P-Dioxane)	NS	0.11 U	0.11 U	0.11 U
2-Hexanone	50	0.72 U	0.72 U	0.72 U
Acetone	50	1.1 U	1.1 U	1.1 U
Benzene	1.0	0.43 J	0.090 U	0.090 U
Bromochloromethane	5	0.30 U	0.30 U	0.30 U
Bromodichloromethane	50	0.22 U	0.22 U	0.22 U
Bromoform	50	0.18 UJ	0.18 U	0.18 U
Bromomethane	5	0.18 UJ	0.18 UJ	0.18 UJ
Carbon Disulfide	60	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	0.33 U	0.33 U	0.33 U
Chlorobenzene	5	0.24 U	0.24 U	0.24 U
Chloroethane	5	0.37 UJ	0.37 U	0.37 U
Chloroform	7	0.22 U	0.22 U	0.22 U
Chloromethane	5	0.22 U	0.22 U	0.22 U
Cis-1,2-Dichloroethylene	5	0.26 U	0.26 U	0.26 U
Cis-1,3-Dichloropropene	NS	0.16 U	0.16 U	0.16 U
Cyclohexane	NS	120	0.26 U	0.26 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U
Dichlorodifluoromethane	5	0.14 UJ	0.14 UJ	0.14 UJ
Ethylbenzene	5	0.50 J	0.30 U	0.30 U
Isopropylbenzene (Cumene)	5	17	0.32 U	0.32 U
M,P-Xylenes	5	0.34 J	0.28 U	0.28 U
Methyl acetate	NS	0.58 U	0.58 U	0.58 U
Methyl Ethyl Ketone (2-Butanone)	50	2.2 U	2.2 U	2.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	0.63 U	0.63 U	0.63 U
Methylcyclohexane	NS	260	0.22 U	0.22 U
Methylene Chloride	5	0.21 U	0.21 U	0.21 U
O-Xylene (1,2-Dimethylbenzene)	5	0.32 U	0.32 U	0.32 U
Styrene	5	0.17 U	0.17 U	0.17 U
Tert-Butyl Methyl Ether	10	0.60 J	0.13 U	0.35 J
Tetrachloroethylene (PCE)	5	0.12 U	0.12 U	0.12 U
Toluene	5	0.57 J	0.25 U	0.25 U
Trans-1,2-Dichloroethene	5	0.18 U	0.18 U	0.18 U
Trans-1,3-Dichloropropene	NS	0.19 U	0.19 U	0.19 U
Trichloroethylene (TCE)	5	0.22 U	0.22 U	0.22 U
Trichlorofluoromethane	5	0.15 UJ	0.15 UJ	0.15 UJ
Vinyl Chloride	2	0.060 U	0.060 U	0.060 U
Xylenes, Total	NS	0.34 J	0.28 U	0.28 U
<b>Total VOCs</b>	<b>NS</b>	<b>399.78</b>	<b>0</b>	<b>0.35</b>

**Table 6**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
*Volatile Organic Compounds*

Location	NYSDEC	W108-MW-X-20160729	FB20160729-20160729	TB20160729-20160729
Lab ID	Ambient	460-117853-3	460-117853-5	460-117853-6
Date Sampled	Water	7/29/2016	7/29/2016	7/29/2016
Dilution Factor	Standards	1	1	1
Unit	µg/L	µg/L	µg/L	µg/L
1,1,2-Trichloroethane	1.0	0.080 U	0.080 U	0.080 U
1,1-Dichloroethane	5	0.24 U	0.24 U	0.24 U
1,1-Dichloroethene	5	0.34 U	0.34 U	0.34 U
1,2,3-Trichlorobenzene	5	0.35 U	0.35 U	0.35 U
1,2,4-Trichlorobenzene	5	0.27 U	0.27 U	0.27 U
1,2-Dibromo-3-Chloropropane	0.04	0.0070 U	0.0070 U	0.0070 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	0.0060 U	0.0060 U	0.0060 U
1,2-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U
1,2-Dichloroethane	0.6	0.25 U	0.25 U	0.25 U
1,2-Dichloropropane	1.0	0.18 U	0.18 U	0.18 U
1,3-Dichlorobenzene	3	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	3	0.33 U	0.33 U	0.33 U
1,4-Dioxane (P-Dioxane)	NS	0.11 U	0.11 U	0.11 U
2-Hexanone	50	0.72 U	0.72 U	0.72 U
Acetone	50	1.1 U	1.1 U	1.1 U
Benzene	1.0	0.47 J	0.090 U	0.090 U
Bromochloromethane	5	0.30 U	0.30 U	0.30 U
Bromodichloromethane	50	0.22 U	0.22 U	0.22 U
Bromoform	50	0.18 UJ	0.18 U	0.18 U
Bromomethane	5	0.18 UJ	0.18 UJ	0.18 UJ
Carbon Disulfide	60	0.22 U	0.22 U	0.22 U
Carbon Tetrachloride	5	0.33 U	0.33 U	0.33 U
Chlorobenzene	5	0.24 U	0.24 U	0.24 U
Chloroethane	5	0.37 UJ	0.37 U	0.37 U
Chloroform	7	0.22 U	0.22 U	0.22 U
Chloromethane	5	0.22 U	0.22 U	0.22 U
Cis-1,2-Dichloroethylene	5	0.26 U	0.26 U	0.26 U
Cis-1,3-Dichloropropene	NS	0.16 U	0.16 U	0.16 U
Cyclohexane	NS	120	0.26 U	0.26 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U
Dichlorodifluoromethane	5	0.14 UJ	0.14 UJ	0.14 UJ
Ethylbenzene	5	0.47 J	0.30 U	0.30 U
Isopropylbenzene (Cumene)	5	17	0.32 U	0.32 U
M,P-Xylenes	5	0.40 J	0.28 U	0.28 U
Methyl acetate	NS	0.58 U	0.58 U	0.58 U
Methyl Ethyl Ketone (2-Butanone)	50	2.2 U	2.2 U	2.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	0.63 U	0.63 U	0.63 U
Methylcyclohexane	NS	270	0.22 U	0.22 U
Methylene Chloride	5	0.21 U	1.2	0.38 J
O-Xylene (1,2-Dimethylbenzene)	5	0.32 U	0.32 U	0.32 U
Styrene	5	0.17 U	0.17 U	0.17 U
Tert-Butyl Methyl Ether	10	0.64 J	0.13 U	0.13 U
Tetrachloroethylene (PCE)	5	0.12 U	0.12 U	0.12 U
Toluene	5	0.57 J	0.25 U	0.25 U
Trans-1,2-Dichloroethene	5	0.18 U	0.18 U	0.18 U
Trans-1,3-Dichloropropene	NS	0.19 U	0.19 U	0.19 U
Trichloroethylene (TCE)	5	0.22 U	0.22 U	0.22 U
Trichlorofluoromethane	5	0.15 UJ	0.15 UJ	0.15 UJ
Vinyl Chloride	2	0.060 U	0.060 U	0.060 U
Xylenes, Total	NS	0.4 J	0.28 U	0.28 U
Total VOCs	NS	409.95	1.2	0.38

**Table 7**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
*Semivolatile Organic Compounds*

Location Lab ID	NYSDEC Ambient	W108-MW-4-20160729 460-117853-2	W108-MW-6-20160729 460-117853-4	W108-MW-8-20160729 460-117853-1
Date Sampled	Water Quality	7/29/2016	7/29/2016	7/29/2016
Dilution Factor	Standards	1	1	1
Unit	µg/L	µg/L	µg/L	µg/L
2,4,5-Trichlorophenol	NS	0.96 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	NS	0.96 U	1.1 U	1.0 U
2,4-Dichlorophenol	5	0.96 U	1.1 U	1.0 U
2,4-Dimethylphenol	50	0.96 U	1.1 U	1.0 U
2,4-Dinitrophenol	10	4.8 U	5.4 U	5.0 U
2,4-Dinitrotoluene	5	0.96 U	1.1 U	1.0 U
2,6-Dinitrotoluene	5	0.96 U	1.1 U	1.0 U
2-Chloronaphthalene	10	0.19 U	0.22 U	0.20 UJ
2-Chlorophenol	NS	0.96 U	1.1 U	1.0 U
2-Methylnaphthalene	NS	0.19 U	0.035 J	0.20 UJ
2-Nitroaniline	5	4.8 U	5.4 U	5.0 U
2-Nitrophenol	NS	0.96 U	1.1 U	1.0 U
3,3'-Dichlorobenzidine	5	0.96 U	1.1 U	1.0 UJ
3-Nitroaniline	5	4.8 U	5.4 U	5.0 U
4,6-Dinitro-2-Methylphenol	NS	4.8 U	5.4 U	5.0 U
4-Bromophenyl Phenyl Ether	NS	0.96 U	1.1 U	1.0 U
4-Chloro-3-Methylphenol	NS	0.96 U	1.1 U	1.0 U
4-Chloroaniline	5	0.96 U	1.1 U	1.0 U
4-Chlorophenyl Phenyl Ether	NS	0.96 U	1.1 U	1.0 UJ
4-Nitroaniline	5	4.8 U	5.4 U	5.0 U
4-Nitrophenol	NS	4.8 U	5.4 U	5.0 U
Acenaphthene	20	0.19 U	0.046 J	0.20 UJ
Acenaphthylene	NS	0.19 U	0.22 U	0.20 UJ
Anthracene	50	0.19 U	0.22 U	0.022 J-
Benzo(A)Anthracene	0.002	0.19 U	0.10 J	0.20 U
Benzo(A)Pyrene	ND	0.19 U	0.069 J	0.20 U
Benzo(B)Fluoranthene	0.002	0.19 U	0.20 J	0.20 U
Benzo(G,H,I)Perylene	NS	0.19 U	0.10 J	0.20 U
Benzo(K)Fluoranthene	0.002	0.19 U	0.074 J	0.20 U
Benzyl Butyl Phthalate	50	0.23 J	0.51 J	0.65 J
Bis(2-Chloroethoxy) Methane	5	0.96 U	1.1 U	1.0 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1.0	0.96 U	1.1 U	1.0 U
Bis(2-Chloroisopropyl) Ether	5	0.96 U	1.1 U	1.0 UJ
Bis(2-Ethylhexyl) Phthalate	5	17 J	7.6 J	14 J
Carbazole	NS	0.96 U	1.1 U	1.0 U
Chrysene	0.002	0.19 U	0.11 J	0.037 U
Dibenz(A,H)Anthracene	NS	0.19 U	0.22 U	0.20 U
Dibenzofuran	NS	0.96 U	0.10 J	1.0 UJ
Diethyl Phthalate	50	0.96 U	1.1 U	1.0 U
Dimethyl Phthalate	50	0.96 U	1.1 U	1.0 U
Fluoranthene	50	0.19 U	0.11 J	0.030 U
Fluorene	50	0.19 U	0.072 J	0.20 U
Hexachlorobenzene	0.04	0.96 U	1.1 U	1.0 U
Hexachlorobutadiene	0.5	0.96 U	1.1 U	1.0 U
Hexachlorocyclopentadiene	5	0.96 U	1.1 U	1.0 U
Hexachloroethane	5	0.96 U	1.1 U	1.0 U
Indeno(1,2,3-C,D)Pyrene	0.002	0.19 U	0.079 J	0.20 U
Isophorone	50	0.96 U	1.1 U	1.0 U
Naphthalene	10	0.19 U	0.041 J	0.20 UJ
Nitrobenzene	0.4	1.9 U	2.2 U	2.0 U
N-Nitrosodi-N-Propylamine	NS	0.96 U	1.1 U	1.0 U
N-Nitrosodiphenylamine	50	0.96 U	1.1 U	1.0 UJ
Pentachlorophenol	NS	0.96 U	1.1 U	1.0 U
Phenanthrene	50	0.19 U	0.29	0.056 U
Phenol	NS	0.96 U	1.1 U	1.0 U
Pyrene	50	0.19 U	0.11 J	0.036 U

**Table 7**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
Semivolatile Organic Compounds

Location Lab ID	NYSDEC Ambient	W108-MW-X-20160729 460-117853-3	FB20160729-20160729 460-117853-5
Date Sampled	Water Quality	7/29/2016	7/29/2016
Dilution Factor	Standards	1	1
Unit	µg/L	µg/L	µg/L
2,4,5-Trichlorophenol	NS	0.93 U	1.0 U
2,4,6-Trichlorophenol	NS	0.93 U	1.0 U
2,4-Dichlorophenol	5	0.93 U	1.0 U
2,4-Dimethylphenol	50	0.93 U	1.0 U
2,4-Dinitrophenol	10	4.6 U	5.2 U
2,4-Dinitrotoluene	5	0.93 U	1.0 U
2,6-Dinitrotoluene	5	0.93 U	1.0 U
2-Chloronaphthalene	10	0.19 U	0.21 U
2-Chlorophenol	NS	0.93 U	1.0 U
2-Methylnaphthalene	NS	0.13 J	0.21 U
2-Nitroaniline	5	4.6 U	5.2 U
2-Nitrophenol	NS	0.93 U	1.0 U
3,3'-Dichlorobenzidine	5	0.93 U	1.0 U
3-Nitroaniline	5	4.6 U	5.2 U
4,6-Dinitro-2-Methylphenol	NS	4.6 U	5.2 U
4-Bromophenyl Phenyl Ether	NS	0.93 U	1.0 U
4-Chloro-3-Methylphenol	NS	0.93 U	1.0 U
4-Chloroaniline	5	0.93 U	1.0 U
4-Chlorophenyl Phenyl Ether	NS	0.93 U	1.0 U
4-Nitroaniline	5	4.6 U	5.2 U
4-Nitrophenol	NS	4.6 U	5.2 U
Acenaphthene	20	0.034 J	0.21 U
Acenaphthylene	NS	0.19 U	0.21 U
Anthracene	50	0.19 U	0.21 U
Benzo(A)Anthracene	0.002	0.19 U	0.047 J
Benzo(A)Pyrene	ND	0.19 U	0.21 U
Benzo(B)Fluoranthene	0.002	0.19 U	0.21 U
Benzo(G,H,I)Perylene	NS	0.19 U	0.21 U
Benzo(K)Fluoranthene	0.002	0.19 U	0.21 U
Benzyl Butyl Phthalate	50	0.28 J	1.0 U
Bis(2-Chloroethoxy) Methane	5	0.93 U	1.0 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1.0	0.93 U	1.0 U
Bis(2-Chloroisopropyl) Ether	5	0.93 U	1.0 U
Bis(2-Ethylhexyl) Phthalate	5	4.4 U	1.3 J
Carbazole	NS	0.93 U	1.0 U
Chrysene	0.002	0.19 U	0.054 J
Dibenz(A,H)Anthracene	NS	0.19 U	0.21 U
Dibenzofuran	NS	0.93 U	1.0 U
Diethyl Phthalate	50	0.93 U	1.0 U
Dimethyl Phthalate	50	0.93 U	1.0 U
Fluoranthene	50	0.025 U	0.046 J
Fluorene	50	0.19 U	0.21 U
Hexachlorobenzene	0.04	0.93 U	1.0 U
Hexachlorobutadiene	0.5	0.93 U	1.0 U
Hexachlorocyclopentadiene	5	0.93 U	1.0 U
Hexachloroethane	5	0.93 U	1.0 U
Indeno(1,2,3-C,D)Pyrene	0.002	0.19 U	0.21 U
Isophorone	50	0.93 U	1.0 U
Naphthalene	10	0.19 U	0.21 U
Nitrobenzene	0.4	1.9 U	2.1 U
N-Nitrosodi-N-Propylamine	NS	0.93 U	1.0 U
N-Nitrosodiphenylamine	50	0.93 U	1.0 U
Pentachlorophenol	NS	0.93 U	1.0 U
Phenanthrene	50	0.043 J	0.054 J
Phenol	NS	0.93 U	1.0 U
Pyrene	50	0.19 U	0.037 J

**Table 8**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
Metals

Location Lab ID Date Sampled Dilution Factor Unit	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-4-20160729 460-117853-2 7/29/2016 1 And 2 µg/L	W108-MW-6-20160729 460-117853-4 7/29/2016 1 And 2 µg/L	W108-MW-8-20160729 460-117853-1 7/29/2016 1 And 2 µg/L	W108-MW-X-20160729 460-117853-3 7/29/2016 1 And 2 µg/L	FB20160729-20160729 460-117853-5 7/29/2016 1 And 2 µg/L
<b>Total Metals</b>						
Aluminum	NS	311	615	241	288	40 U
Antimony	3	2 U	2 U	2 U	2 U	2 U
Arsenic	25	0.96 J	10.8	0.91 J	1.1 J	2 U
Barium	1,000	108	146	280	108	4 U
Beryllium	3	0.8 U				
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	86,900	66,700	193,000	86,500	87.8 J
Chromium, Total	50	4 U	2.8 J	4 U	4 U	4 U
Cobalt	NS	2 J	4 U	3.2 J	2.1 J	4 U
Copper	200	4 U	3.2 J	4 U	4 U	4 U
Iron	300	575	12,500	611	543	120 U
Lead	25	0.83 J	32.5	0.57 J	0.67 J	1.2 U
Magnesium	35,000	23,800	19,100	91,600	24,300	200 U
Manganese	300	3,330	1,980	9,350	3,310	8 U
Mercury	0.7	0.20 U	0.34	0.20 U	0.20 U	0.20 U
Nickel	100	2.6 J	1.6 J	3.1 J	2.6 J	4 U
Potassium	NS	7,800	15,600	11,600	7,920	200 U
Selenium	10	10 U				
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	50,300	37,900	142,000	51,300	441
Thallium	0.5	0.8 U				
Vanadium	NS	1.5 J	6.2	4 U	1.4 J	4 U
Zinc	2,000	16 U	11.2 J	16 U	16 U	16 U
<b>Dissolved Metals</b>						
Aluminum	NS	40 U				
Antimony	3	2 U	2 U	2 U	2 U	2 U
Arsenic	25	0.72 J	2	2 U	2 U	2 U
Barium	1,000	94.8	85.6	273	93.1	4 U
Beryllium	3	0.8 U				
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	83,200	59,900	200,000	79,000	87.8 J
Chromium, Total	50	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	4 U	4 U	3 J	4 U	4 U
Copper	200	4 U	4 U	4 U	4 U	4 U
Iron	300	120 U				
Lead	25	1.2 U				
Magnesium	35,000	21,600	16,100	83,900	20,700	200 U
Manganese	300	3,120	1,570	8,670	2,950	8 U
Mercury	0.7	0.20 U				
Nickel	100	2.5 J	4 U	3.1 J	1.7 J	4 U
Potassium	NS	7,370	13,800	11,400	6,970	200 U
Selenium	10	10 U				
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	47,100	34,300	130,000	44,800	441
Thallium	0.5	0.8 U				
Vanadium	NS	4 U	4 U	4 U	4 U	4 U
Zinc	2,000	16 U				

**Table 9**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Groundwater Analytical Results  
*Polychlorinated Biphenyls (PCBs) and Pesticides*

Location	NYSDEC	W108-MW-4-20160729	W108-MW-6-20160729	W108-MW-8-20160729	W108-MW-X-20160729	FB20160729-20160729*
Lab ID	Ambient	460-117853-2	460-117853-4	460-117853-1	460-117853-3	460-117853-5
Date Sampled	Water	7/29/2016	7/29/2016	7/29/2016	7/29/2016	7/29/2016
Dilution Factor	Standards	1	1	1	1	1
Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>PCBs</b>						
PCB-1016 (Aroclor 1016)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1221 (Aroclor 1221)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1232 (Aroclor 1232)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1242 (Aroclor 1242)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1248 (Aroclor 1248)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1254 (Aroclor 1254)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1260 (Aroclor 1260)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1262 (Aroclor 1262)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
PCB-1268 (Aroclor 1268)	NS	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
Total Polychlorinated Biphenyl (PCBs)	0.09	0.40 U	0.50 U	0.42 U	0.40 U	0.50 U
<b>Pesticides</b>						
Aldrin	0	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Alpha Endosulfan	NS	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Beta Endosulfan	NS	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Chlordane	0.05	0.50 U	0.63 U	0.52 U	0.50 U	0.63 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Dieldrin	0.004	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Endosulfan Sulfate	NS	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Endrin	0	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Endrin Aldehyde	5	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Endrin Ketone	5	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Gamma Bhc (Lindane)	0.05	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Heptachlor	0.04	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Heptachlor Epoxide	0.03	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Methoxychlor	35	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
P,P'-DDD	0.3	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
P,P'-DDE	0.2	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
P,P'-DDT	0.2	0.020 U	0.025 U	0.021 U	0.020 U	0.025 U
Toxaphene	0.06	0.50 U	0.63 U	0.52 U	0.50 U	0.63 U

**Tables 1-9**  
**103-107 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Subsurface Investigation Soil Analytical Results  
*Notes*

**GENERAL**

**NS** : No standard listed.

**U** : The analyte was not detected at the indicated concentration.

**J** : The concentration given is an estimated value.

**UJ** : The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

**R** : The data are unusable. The sample results are rejected due to serious deficiencies in meeting QA/QC criteria. The analyte may or may not be present in sample.

**N** : The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

**J+** : The result is an estimated quantity, but the result may be biased high.

**J-** : The result is an estimated quantity, but the result may be biased low.

**D** : Analyte concentration is from diluted analysis.

**P** : The Relative Percent Difference between the results for the two columns exceeds the method-specified criteria.

**NA** : Not analyzed.

**ND** : Not detected.

\* QA/QC sample. Trip blank, field blank, ambient air as noted.

Sample W108-SB-X (3-4) 20160712 is a blind duplicate of *W108-SB-2 (3-4) 20160712*

Sample W108-SB-Y 20160714 is a blind duplicate of *W108-SB-12B (3-4) 20160714*

Sample W108-MW-X-20160729 is a blind duplicate of *W108-MW-4-20160729*

**Tables 1-9**  
**103-107 West 108<sup>th</sup> Street**  
**Manhattan, NY**  
Subsurface Investigation Soil Analytical Results  
*Notes*

**SOIL**

**Part 375 Soil Cleanup Objectives** : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

**µg/kg** : micrograms per kilogram = parts per billion (ppb)

**mg/kg** : milligrams per kilogram = parts per million (ppm)

**Exceedences of Part 375 Unrestricted Soil Cleanup Objectives are highlighted in bold font.**  
**Exceedences of Part 375 Restricted Residential Soil Cleanup Objectives are highlighted in gray.**

**GROUNDWATER**

**NYSDEC Class GA Ambient** : New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values.

**µg/L** : micrograms per Liter = parts per billion (ppb)

**mg/L** : milligrams per Liter = parts per million (ppm)

**Exceedences of NYSDEC Class GA Ambient Standards and Guidelines are highlighted in bold font.**

**SOIL VAPOR**

**NYSDOH Soil Vapor Intrusion Air Guidance Value** : NYSDOH Air Guideline Values (AGVs) and Table 3.3 Matrix 1 and 2 Chemicals presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE and August 2015 for TCE.

**µg/m<sup>3</sup>** : micrograms per cubic meter of air

**Exceedences of NYSDOH 2006 Air Guidance Values are highlighted in bold font.**  
**Exceedences of Matrix 1 and 2 Values are highlighted in gray.**

**APPENDIX A**  
**PHOTOGRAPHIC LOG**



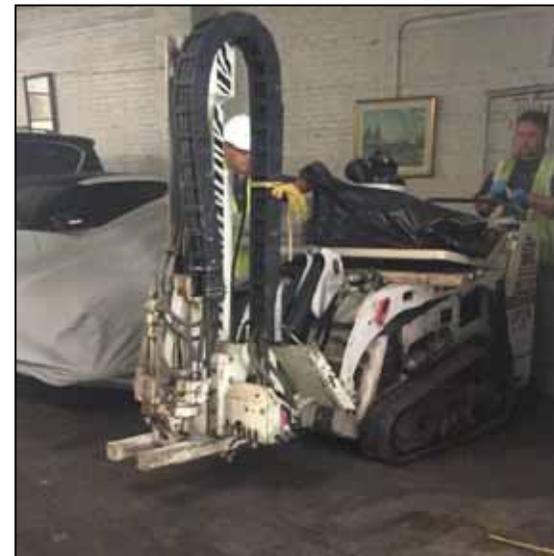
**Photograph 1.** Geophysical surveyor marking out identified utilities in the basement of 151-159 West 108<sup>th</sup> Street.



**Photograph 2.** Purging soil vapor point prior to sampling in the partial basement of 103-107 West 108<sup>th</sup> Street.



**Photograph 3.** Soil from hand auguring laid out on plastic prior to sampling in 145-149 West 108<sup>th</sup> Street basement.



**Photograph 4.** Limited access Geoprobe setup at boring location in 103-107 West 108<sup>th</sup> Street.



**Photograph 5.** Completing the concrete pad and manhole for a permanent groundwater monitoring well.



**Photograph 6.** Soil cores showing borehole contents after collecting soil samples.



**Photograph 7.** Low-flow groundwater sampling.



**Photograph 8.** Limited access retrofitted track-mounted direct-push probe unit advancing soil boring in the garden area of 145-149 West 108<sup>th</sup> Street.

**APPENDIX B**  
**GEOPHYSICAL SURVEY REPORT**



**KEY**

Storm Drainage	-D-D-
Unknown Utility	-U-U-



## **GEOPHYSICAL INVESTIGATION REPORT**

PERFORMED AT:

**151-159, 145-149, 143, and 103-107 West 108<sup>th</sup> Street  
New York, NY 10025**

PREPARED FOR:

**Elizabeth Matamoros  
AKRF  
440 Park Avenue South, 7<sup>th</sup> Floor  
New York, NY 10016**

PREPARED BY:

**John Rango  
Geophysical Technician  
Enviroprobe Service, Inc.  
81 Marter Avenue  
Mount Laurel, NJ 08054  
Phone: (856) 858-8584  
Toll Free: (800) 596-7472**

**July 11, 2016**

## 1.0 INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is an environmental investigation services firm which provides monitoring well installation (HSA), Geoprobe (DPT) drilling services and Environmental & Engineering Geophysics (EEG) services to the environmental consulting and engineering community.

Enviroprobe conducted a subsurface geophysical investigation at the subject property within client-specified areas of concern. Due to conditions and objectives, the investigation utilized a Radiodetection RD1000 cart-mounted ground penetrating radar (GPR) unit with a 250 MHz antenna, a Fisher TW-6 metallic locator, a Radiodetection multi-frequency transmitter, and a Radiodetection receiver.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 2,000 MHz) to acquire subsurface information. An EM wave is propagated downward into the ground by a transmitting antenna. Where abrupt changes in electrical properties occur in the subsurface, a portion of the energy is reflected back to the surface. This reflected wave is detected by a receiver antenna and transmitted to a control unit for real time processing and display. The penetration depth of the GPR unit varies from several inches to tens of feet according to site-specific conditions. The penetration depth decreases with increased soil conductivity. The penetration depth is the greatest in ice, dry sands, and fine gravels. Clayey, highly saline or saturated soils, areas covered by concrete, foundry slag, or other highly conductive materials greatly reduce GPR penetration. GPR is a method that is commonly used for environmental, engineering, archaeological, and other shallow investigations.

The Fisher TW-6 metallic locator is designed to find pipes, cables and other metallic objects such as underground storage tanks (USTs). The TW-6 transmitter generates an electromagnetic field that induces electrical currents in the subsurface. These currents produce a secondary electromagnetic field that is measured by the TW-6 receiver. One surveyor can carry both the transmitter and receiver together to search for underground metallic objects, although the TW-6 response can also be affected by the electrical properties of non-metallic materials in the subsurface.

The Radiodetection (RD) transmitter and receiver are commonly used for pipe and cable locating. The multi-frequency transmitter can be directly connected, clamped, or used to induce a signal in a target line while the multi-frequency receiver is used to measure the signal from energized lines.

## 2.0 SCOPE OF WORK

On July 11, 2016, a geophysical technician from Enviroprobe Service Inc. was mobilized to the subject property to perform a geophysical investigation. The purpose of

the investigation was to clear proposed boring locations and designate underground conduits/utilities at active parking garages. The ground surface of the survey area consisted of concrete and asphalt surfaces.

### **3.0 SURVEY RESULTS**

The utility survey was conducted using a cart-mounted GPR unit and a RD unit. The RD unit was used to trace common utilities from sources in and around the survey area. The RD receiver was also used in the passive mode to search for live underground electrical power cables and other utilities emitting 60Hz electromagnetic signals. When possible, the location of utilities was confirmed with the GPR. The GPR survey was also performed in a grid pattern in at least two orthogonal directions to search for evident and non-evident underground utilities. Linear anomalies consistent with underground utilities were designated on site with spray paint using the following colors: green – storm sewer and pink – unknown utilities. Suspect piping on the first floor of 143 West 108<sup>th</sup> Street were directly connected to, traced down the pillar into the basement, but did not detect the pipes connecting to a metallic anomaly which may consist with an UST.

At location 151-159 approximately four, location 145-149 approximately two, location 143 approximately four, and at location 103-107 approximately two proposed boring locations were investigated with the GPR, TW-6, and RD receiver. When possible, an area of approximately 10 ft by 10 ft surrounding each location was scanned. In some cases, obstructions prevented an investigation of the entire 10 ft by 10 ft area.

### **4.0 LIMITATIONS**

Due to surface conditions and subsurface content, the GPR penetration depth was estimated as about 3 feet in the majority of the survey area.

Due to the dielectric properties of the subsurface, plastic polymer and fiberglass utilities may not have been detected.

The underground utility survey was conducted in compliance with the industry standard of care guidelines found in ASCE 38-02 (Level B).

### **5.0 WARRANTIES**

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. Enviroprobe Service, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental engineering methods. There is a possibility that conditions may

exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

Enviroprobe represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by environmental consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

Enviroprobe Service, Inc. believes that the information provided in this report is reliable. However, Enviroprobe cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation. Enviroprobe can not guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, or excavating activities.

This report was prepared pursuant to the contract Enviroprobe has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Enviroprobe and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between Enviroprobe and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Enviroprobe.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Enviroprobe contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.



**APPENDIX C**  
**SOIL BORING AND MONITORING WELL LOGS**

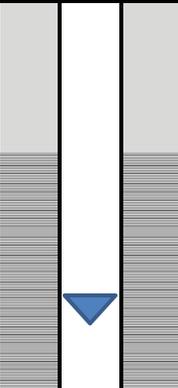
<b>SOIL BORING LOG</b>		<b>West 108th Street</b> AKRF Project Number: 22304		<b>Boring No.</b> Sheet 1 of 1		<b>SB-1</b>		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		<b>Drilling Method:</b> Limited Access Geoprobe		<b>Drilling</b>				
		<b>Sampling Method:</b> 4' Macrocore		<b>Start</b> 15:00		<b>Finish</b> 15:15		
		<b>Driller :</b> Cascade Tech Services,		<b>Time</b>		<b>Date</b> 7/12/2016		
		<b>Sampler:</b> EM		<b>Weather:</b> Indoors				
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	22	3" Asphalt/ Subbase		Petroleum Like	Moist	22.7	NA	W108-SB-1 (0-2)
2		6" Brown SAND, some Silt (stained-soil) (FILL).						
3		6" Brown SILT and SAND, some Concrete, Asphalt (FILL).						
4		7" Brown SAND, some Brick, Silt (FILL).						
5	22	7" Dark Brown SILT and SAND (FILL).		Petroleum Like	Moist	12.2	NA	W108-SB-1 (5-7)
6		10" Dark Brown SAND and Silt, some Gravel (petroleum stained soil) (FILL).						
7		3" Brown SILT and SAND						
8		20" Brown SAND and SILT, some gravel, weathered bedrock.						
		Refusal on Rock						
<b>Notes: End of boring 8 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-2		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start 12:30		Finish 12:55		
		Driller : Cascade Tech Services,		Time		Time		
		Sampler: EM		Date 7/12/2016		Weather: Indoors		
Depth (feet)	Recovery (Inches)	Surface Condition:	Asphalt	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	22	3" Asphalt		Petroleum Like	Dry	10.3	NA	W108-SB-2 (0-2)
2		10" Brown SAND, some Gravel (FILL).		Petroleum Like	Dry	157	NA	
3		6" Dark Brown SAND and SILT, some Gravel (petroleum stained soil) (FILL).		Petroleum Like	Dry	450	NA	
4		3" Brown SAND, some Gravel, weathered bedrock (stained soil)		Petroleum Like	Dry	222	NA	W108-SB-2 (3-4)
<b>Notes: End of boring at approximately 4 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

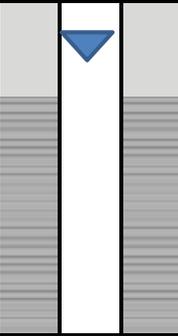
SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-3		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time: 13:30		Finish Time: 14:00		
		Driller: Cascade Tech Services,		Date: 7/12/2016				
		Sampler: EM		Weather: Indoors				
Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	18	14" Brown SAND, asphalt, brick (FILL)		ND	Dry	ND	NA	W108-SB-3 (0-2)
2								
3								
4		4" Brown SAND and SILT		ND	Moist	ND	NA	
5	25	Brown SAND and SILT		ND	Wet	ND	NA	
6								
7								
8								
9	18	12" Brown SAND and SILT		ND	Wet	ND	NA	
10								
11		6" Brown SAND and SILT, some weathered bedrock		ND	Wet	ND	NA	
12								
13	N/A	No Recovery						
<b>Notes: End of boring 13 feet below ground surface.</b> Groundwater was encountered at 5 feet below ground surface. PID = Photoionization Detector ppm = parts per million ND = Not Detected								

SOIL BORING / WELL CONSTRUCTION LOG		West 108th Street		Well ID:		MW-4						
 440 Park Avenue South, 7th Floor New York, NY 10016		AKRF Project Number : 22304		Drilling		Date: 7/12/2016		Start Time: 14:00	Finish Time: 14:20	Page 1 of 1		
		Drilling Method:	Geoprobe		Soil Boring Log:		SB-4					
		Sample Method:	4' Macrocore		Weather:		Indoors		Logged by:		EM	
		Driller :	Cascade Tech Services, LLC		Surface Condition:		Asphalt		Depth (feet)		Well Construction	
						Odor	Moisture	PID (ppm)	NAPL	Recovery (Inches)	Samples Collected for Lab Analysis	
1						Yes	Dry	21	NA		W108-SB-4 (0-2)	
2				Brown and Dark Gray SAND, some Silt (FILL)		Yes	Dry	30	NA	14		
3												
4												
5						Yes	Dry	32	NA			
6				1"- diameter PVC well screen: 6 feet to 16 feet below grade		Yes	Wet	102	NA	18		
7						Yes	Wet	30	NA			
8												
9												
10						Yes	Wet	15.8	NA	21		
11												
12				Groundwater: 12.89' below grade								
13												
14												
15						Yes	Wet	43	NA	40		
16												
Notes:  Groundwater depth indicator Groundwater encountered at 12.89' below grade.				End of boring at approximately 16 feet below ground surface on apparent rock.								
PID = photoionization detector				NAPL = non-aqueous phase liquid				ND = not detected				

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-5		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		<b>Drilling Method:</b> Limited Access Geoprobe		<b>Drilling</b>				
		<b>Sampling Method:</b> 4' Macrocore		<b>Start Time</b> 10:50		<b>Finish Time</b> 11:47		
		<b>Driller :</b> Cascade Tech Services, LL		<b>Date</b> 7/12/2016				
		<b>Sampler:</b> EM		<b>Weather:</b> 80 F Sunny				
Depth (feet)	Recovery (Inches)	Surface Condition: Woodchips (Topsoil beneath)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	17	10" Topsoil, Gravel		ND	Dry	ND	ND	W108-SB-5 (0-2)
2		7" Brown SAND, some brick (FILL)		ND	Dry	ND	ND	
3		7" SAND and SILT, little ceramic, paper, brick, plastic, asphalt, chalk (FILL)		ND	Dry	ND	ND	
4		7" Brown SAND, little asphalt, brick, Gravel (FILL)		ND	Dry	ND	ND	
5	14	4" Brown SAND, some asphalt, brick, Gravel (FILL)		ND	Dry	ND	ND	W108-SB-5 (8-10)
6		22" Brown/Gray SAND and SILT		ND	Wet	ND	ND	
7		16" SILT AND CLAY		ND	Wet	ND	ND	
8		Brown SAND, little Gravel, Silt, brick, asphalt (FILL)		ND	Wet	ND	ND	
9	42			ND	Dry	ND	ND	W108-SB-5 (8-10)
10				ND	Wet	ND	ND	
11				ND	Wet	ND	ND	
12				ND	Wet	ND	ND	
13	20			ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
<b>Notes: End of boring 14 feet below ground surface on apparent rock .</b> Groundwater was encountered at 11 feet below ground surface. PID = Photoionization Detector ppm = parts per million ND = Not Detected								

SOIL BORING / WELL CONSTRUCTION LOG		West 108th Street		Well ID:		MW-6					
 440 Park Avenue South, 7th Floor New York, NY 10016		AKRF Project Number : 22304		Drilling		Date: 7/12/2016		Start Time: 9:20	Finish Time: 10:20	Page 1 of 1	
		Drilling Method:	Core Drill	Soil Boring Log:		SB-6					
		Sample Method:	Hand Auger	Weather:		Indoor					
		Driller :	Cascade Tech Services, LLC	Logged by:		EM					
Depth (feet)	Well Construction	Surface Condition: Laminate Tile, Concrete				Odor	Moisture	PID (ppm)	NAPL	Recovery (Inches)	Samples Collected for Lab Analysis
1		Brown SAND, trace Gravel (FILL)				ND	Moist	ND	ND		W108-SB-6 (0-2)
2		Brown SAND and SILT, trace Gravel (FILL)				ND	Moist	ND	ND	60	
3		Gray SILT, trace Sand, asphalt (FILL)				ND	Wet	ND	ND		
4						ND	Wet	ND	ND		
5											
6											
7											
8											
Notes:		Groundwater depth indicator				End of boring at 5 feet below ground surface due to limited clearance for hand tools.					
		Groundwater encountered at 6.94' below grade.				Well constructed using two four foot lengths, advanced deeper than boring.					
		PID = photoionization detector				NAPL = non-aqueous phase liquid		ND = not detected			

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-7		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time 14:10		Finish Time 14:30		
		Driller: Cascade Tech Services,		Date 7/13/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition:		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	31	2" CONCRETE		ND	Dry	ND	ND	W108-SB-7 (0-2)
2		11" Dark Brown SAND, trace concrete, Gravel (FILL)		ND	Dry	ND	ND	
3		4" Brown SAND and SILT		ND	Dry	ND	ND	
3		4" Brown SAND, some Silt, trace Gravel		ND	Dry	ND	ND	
4		10" Brown SAND and Gravel		ND	Dry	ND	ND	
<b>Notes: End of boring 4 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING / WELL CONSTRUCTION LOG		West 108th Street		Well ID:		MW-8						
 440 Park Avenue South, 7th Floor New York, NY 10016		AKRF Project Number : 22304		Drilling		Date: 7/13/2016		Start Time: 10:55	Finish Time: 11:15	Page 1 of 1		
		Drilling Method: Geoprobe		Sample Method: 4' Macrocore		Soil Boring Log:		SB-8				
		Driller : Cascade Tech Services, LLC		Weather: Indoor		Logged by: EM		Odor		Moisture	PID (ppm)	NAPL
		Depth (feet)		Well Construction		Surface Condition: Laminate Tile, Concrete		Recovery (Inches)	Samples Collected for Lab Analysis			
1		4" Concrete slab/ subbase  11" Brown SAND, little roots, wood, Gravel (FILL)  5" Brown SAND, little roots, wood, Gravel (FILL)  15" SAND, some weathered bedrock		ND	Wet	15	ND	15	W108-SB-8 (0-2)			
2				ND	Wet	73	ND					
3				ND	Wet	31	ND					
4												
5				ND	Wet	10	ND					
6				ND	Wet	41	ND	20				
7				ND	Wet	85	ND					
Notes:		Groundwater depth indicator		End of boring at 7 feet below grade on apparent rock.								
		Groundwater encountered less than 1' below grade.										
		PID = photoionization detector		NAPL = non-aqueous phase liquid						ND = not detected		

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-9		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time: 13:30		Finish Time: 13:50		
		Driller: Cascade Tech Services		Date: 7/13/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition: Concrete (Standing Water Nearby)		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	19	2" Concrete		ND	ND	12.7	ND	W108-SB-9 (0-2)
2				ND	Yes	46.2	ND	
3		17" Brown SAND, some Weathered Bedrock		ND	ND	22.4	ND	
4				ND	ND	123	ND	
<b>Notes: End of boring 4 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-10		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time: 11:30		Finish Time: 11:50		
		Driller: Cascade Tech Services,		Date: 7/13/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition: Concrete		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	25	6" CONCRETE		ND	Dry	148	ND	SB-10 (0-2) 12:30
2		19" Brown SAND, concrete, weathered bedrock (FILL).		ND	Dry	407	ND	
3				ND	Dry	94.2	ND	
4				ND	Dry	74.5	ND	
<b>Notes: End of boring 4 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-11		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time: 12:00		Finish Time: 12:20		
		Driller: Cascade Tech Services, LLC		Date: 7/14/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition: Concrete		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	16	2" CONCRETE		ND	Dry	ND	ND	W108-SB-11 (0-2)
2		14" Brown SAND, some Asphalt, Brick, Concrete, trace fine gravel (FILL).		ND	Dry	ND	ND	
3								
<b>Notes: End of boring 2 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-12		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Hand Auger		Drilling				
		Sampling Method: Hand Auger		Start Time: 11:00		Finish Time: 11:25		
		Driller: Cascade Tech Services,		Date: 7/11/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition:	Broken Concrete Slab	Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	24	Brown SAND, brick, concrete, asphalt (FILL)		ND	Dry	ND	ND	W108-SB-12 (0-2)
2								
3								
4								
<b>Notes: End of boring 2 feet below ground surface due to refusal on cobbles.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-12B		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Hand Auger		Drilling				
		Sampling Method: Hand Auger		Start Time 9:00		Finish Time 9:20		
		Driller: Cascade Tech Services, LLC		Date 7/14/2016				
		Sampler: EM		Weather: Indoor				
Depth (feet)	Recovery (Inches)	Surface Condition: Soil/ Broken Slab		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	48	Brown SAND, some brick, concrete, asphalt (FILL)		Petroleum Like	Dry	36.9	ND	W108-SB-12 (0-2)
2				Petroleum Like	Dry	188	ND	
3				Petroleum Like	Dry	227	ND	W108-SB-12 (2-4)
4								
<b>Notes: End of boring 4 feet below ground surface due to limited clearance for hand tools.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-12C		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start 10:40		Finish 11:00		
		Driller : Cascade Tech Services, LLC		Time				
		Sampler: EM		Date 7/14/2016				
		Weather: Indoor						
Depth (feet)	Recovery (inches)	Surface Condition: Concrete		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	22	2" Concrete		ND	Dry	NA*	ND	W108-SB-12 (0-2)
2		11" Brown SAND, some asphalt, brick, concrete trace Gravel (FILL)		ND	Dry	NA*	ND	
3		9" Brown SAND, some Gravel, trace brick and asphalt (FILL)		ND	Dry	NA*	ND	
4								
5	11	Brown medium to fine SAND, some Gravel, trace brick and asphalt (FILL)		ND	Dry	NA*	ND	
6				ND	Dry	NA*	ND	
7								
8								
<b>Notes: End of boring 7 feet below ground surface on apparent rock.</b> Groundwater was not encountered. *PID readings were not taken due to a malfunctioning instrument. PID = Photoionization Detector ppm = parts per million ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-13		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time		Finish Time		
		Driller : Cascade Tech Services, LLC		13:00		13:30		
		Sampler: EM		Date 7/14/2016				
		Surface Condition: Concrete slab		Weather: Indoor				
Depth (feet)	Recovery (Inches)			Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	28	2" Concrete		ND	Dry	130	ND	W108-SB-13 (0-2)
2		4" Dark Brown SAND, some asphalt, Gravel (FILL)						
3		9" Brown SILT, some Clay, little Gravel (Petroleum Stained soil)						
4		10" Gray SILT and CLAY						
5	23	3" Dark Brown SAND and Silt, little Gravel		ND	Moist	39.1	ND	
6		9" Brown/ Gray SAND and SILT, little Clay, some asphalt (FILL)						
7		14" Brown SAND and SILT						
8								
<b>Notes: End of boring 7 feet below ground surface on apparent rock.</b> Groundwater was encountered at approximately 6 feet below ground surface. PID = Photoionization Detector ppm = parts per million ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-14		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start 13:45		Finish 14:05		
		Driller : Cascade Tech Services, LLC		Time				
		Sampler: EM		Date 7/14/2016				
				Weather: Indoors				
Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	30	6" Asphalt		ND	Dry	12.4	ND	W108-SB-14 (0-2)
2		14" Brown SAND, some Gravel, trace asphalt, brick (FILL).		ND	Moist	10.3	ND	
3		10" Brown SAND and SILT (FILL).		ND	Wet	9.4	ND	
4								
5	21	Brown SAND and SILT (FILL).		ND	Wet	6.2	ND	
6				ND	Wet	8.3	ND	
7				ND	Wet	4.7	ND	
8								
<b>Notes: End of boring 7 feet below ground surface on apparent rock.</b> Groundwater was encountered at 4 feet below ground surface. PID = Photoionization Detector ppm = parts per million ND = Not Detected								

SOIL BORING LOG		West 108th Street AKRF Project Number: 22304		Boring No. Sheet 1 of 1		SB-15		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942		Drilling Method: Limited Access Geoprobe		Drilling				
		Sampling Method: 4' Macrocore		Start Time: 14:10		Finish Time: 14:30		
		Driller: Cascade Tech Services,		Date: 7/14/2016				
		Sampler: EM		Weather: Indoors				
Depth (feet)	Recovery (Inches)	Surface Condition: Concrete 2"		Odor	Moisture	PID (ppm)	NAPL	Samples Collected for Lab Analysis
1	36	3" Reddish Brown SAND, some Gravel		ND	Dry	53.2	ND	W108-SB-15 (0-2)
2		9" Dark Brown SAND, some asphalt, Gravel (FILL)		ND	Dry	64.5	ND	
3		18" Dark Brown/Gray SILT and CLAY		ND	Moist	57.7	ND	
4				ND	Moist	79.4		
<b>Notes: End of boring at approximately 4 feet below ground surface on apparent rock.</b> Groundwater was not encountered. PID = Photoionization Detector                      ppm = parts per million                      ND = Not Detected								

**APPENDIX D**  
**MONITORING WELL DEVELOPMENT LOGS**



## Well Development Log

<b>Job No:</b> 22304					<b>Client:</b> NYC OER			<b>Well No:</b>  <b>MW-4</b>
<b>Project Location:</b> 103-107 and 143-159 West 108th Street					<b>Sampled By:</b> H. Hawkins			
<b>Date:</b> 7/19/2016					<b>Sampling Times:</b> NA			
<b>PID at surface:</b> Not Measured								
<b>Total Depth:</b> 12.80 ft. below top of casing					<b>Water Column (WC):</b> 9.8 feet			*= 0.041 * WC for 1" wells
<b>Depth to Water:</b> 3.00 ft. below top of casing					<b>Well Volume*:</b> 1.21 gallons			*= 0.163 * WC for 2" wells
<b>Depth to Product:</b> Not Detected					<b>Volume Purged:</b> 2.00 gallons			*= 0.653 * WC for 4" wells
<b>Depth to top of screen:</b> 6.00 ft. below top of casing					<b>Well Diameter:</b> 1 inch			
<b>Depth to bottom of screen:</b> 16.00 ft. below top of casing					<b>Pump Type:</b> Geotech Peristaltic			
<b>Approx. Pump Intake:</b> 8 ft. below top of casing					<b>Field Screening Instrument:</b> Horiba U-52			
Time	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
4:20	Purging with check valve							Turbid brown, little to no water, fuel oil odor
4:35	250	22.26	0.885	3.08	8.22	-201	308	
4:40	300	20.82	0.948	0.42	8.01	-425	MAX	
4:45	300	20.13	0.940	0.45	7.87	-447	MAX	
4:50	300	20.01	0.942	0.43	7.74	-415	759	
4:55	300	19.96	0.931	0.43	7.67	-421	318	
<b>Stabilization Criteria:</b>			+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.



## Well Development Log

<b>Job No:</b> 22304					<b>Client:</b> NYC OER			<b>Well No:</b>  <b>MW-6</b>
<b>Project Location:</b> 103-107 and 143-159 West 108th Street					<b>Sampled By:</b> H. Hawkins			
<b>Date:</b> 7/19/2016					<b>Sampling Times:</b> NA			
<b>PID at surface:</b> Not Measured								
<b>Total Depth:</b> 7.76 ft. below top of casing					<b>Water Column (WC):</b> 3.81 feet			*= 0.041 * WC for 1" wells
<b>Depth to Water:</b> 3.95 ft. below top of casing					<b>Well Volume*:</b> 0.46 gallons			*= 0.163 * WC for 2" wells
<b>Depth to Product:</b> Not Detected					<b>Volume Purged:</b> 0.30 gallons			*= 0.653 * WC for 4" wells
<b>Depth to top of screen:</b> 3.00 ft. below top of casing					<b>Well Diameter:</b> 1 inch			
<b>Depth to bottom of screen:</b> 8.00 ft. below top of casing					<b>Pump Type:</b> Geotech Peristaltic			
<b>Approx. Pump Intake:</b> 7.5 ft. below top of casing					<b>Field Screening Instrument:</b> Horiba U-52			
Time	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
2:15	Purging with check valve							
2:30	100	22.11	0.770	2.93	7.42	-30	265	turbid brown, to fairly clear, well ran dry, no odor
2:35	100	22.11	0.740	1.47	7.11	-42	403	
2:40	100	22.05	1.000	8.94	7.32	87	452	
3:15	100	21.80	0.455	6.04	7.32	8	475	
3:20	100	21.24	0.761	3.58	7.26	-72	327	
3:25	100	21.12	0.763	4.45	7.27	-82	316	
3:30	100	21.14	0.76	5.77	7.34	-89	308	
<b>Stabilization Criteria:</b>			+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.



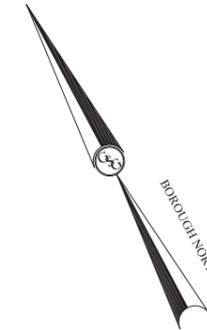
## Well Development Log

<b>Job No:</b> 22304					<b>Client:</b> NYC OER			<b>Well No:</b>  <b>MW-8</b>
<b>Project Location:</b> 103-107 and 143-159 West 108th Street					<b>Sampled By:</b> H. Hawkins			
<b>Date:</b> 7/19/2016					<b>Sampling Times:</b> NA			
<b>PID at surface:</b> Not Measured								
<b>Total Depth:</b> 4.68 ft. below top of casing					<b>Water Column (WC):</b> 4.13 feet			*= 0.041 * WC for 1" wells
<b>Depth to Water:</b> 0.55 ft. below top of casing					<b>Well Volume*:</b> 0.17 gallons			*= 0.163 * WC for 2" wells
<b>Depth to Product:</b> Not Detected					<b>Volume Purged:</b> 2.00 gallons			*= 0.653 * WC for 4" wells
<b>Depth to top of screen:</b> 2.00 ft. below top of casing					<b>Well Diameter:</b> 1 inch			
<b>Depth to bottom of screen:</b> 7.00 ft. below top of casing					<b>Pump Type:</b> Geotech Peristaltic			
<b>Approx. Pump Intake:</b> 3.5 ft. below top of casing					<b>Field Screening Instrument:</b> Horiba U-52			
Time	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
12:30	Purging with check valve							turbid brown, to fairly clear, no odor
12:50	200	27.34	0.002	8.6	4.53	195	131	
12:55	200	27.34	0.003	8.6	6.67	192	151	
13:00	300	20.17	2.650	4.27	6.77	74	319	
13:05	100	20.13	2.640	4.84	6.91	87	70.7	
13:10	100	20.08	2.640	4.67	6.92	66	27.6	
13:15	100	20.05	2.640	4.74	6.96	68	23	
	Purging with check valve							
13:25	200	20.32	2.57	3.45	6.89	4	MAX	
13:30	200	19.88	2.62	3.53	6.85	-79	MAX	
<b>Stabilization Criteria:</b>			+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

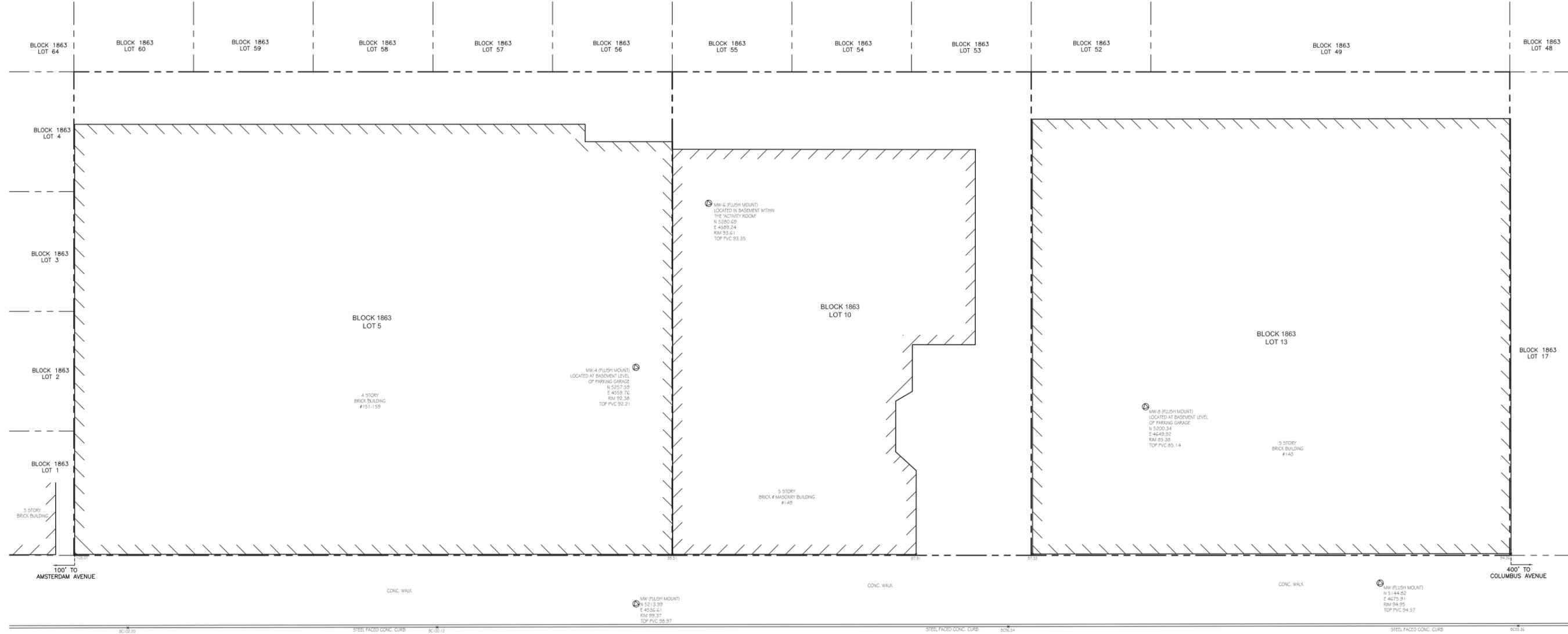
**APPENDIX E**  
**MONITORING WELL SURVEY**

- NOTES:**
1. THE PURPOSE OF THIS PLAN IS TO SHOW THE LOCATION AND THE ELEVATIONS OF THE RIMS AND INNER CASING OF THE FIVE NEW MONITORING WELLS.
  2. THE LOCATION OF UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN, BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
  3. THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE COMMITMENT REPORT AND IS SUBJECT TO THE COVENANTS, RESTRICTIONS AND EASEMENTS THAT MAY BE CONTAINED THEREIN.
  4. ELEVATIONS ARE BASED UPON NAVD 88 DATUM.
  5. COORDINATES ARE BASED UPON AN ASSUMED DATUM.

- REFERENCES:**
1. PROJECT SITE DETAIL AND PROPOSED SAMPLING LOCATIONS FOR 103-107 AND 143-159 WEST 108TH STREET, NEW YORK, NEW YORK, PREPARED BY ABRF, DATED MARCH 1, 2016.
  2. FINAL SECTION MAP PROVIDED BY THE CITY OF NEW YORK, PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU, MAP NOS. 91, 93 & 94.
  3. SURVEY MAP NOS. 93 & 94 PROVIDED BY THE CITY OF NEW YORK, PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.

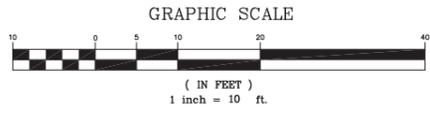


VICINITY MAP



**WEST 108TH STREET**  
 (60' WIDE-PUBLIC)  
 ONE WAY TRAFFIC  
 ASPHALT ROADWAY

- MAP LEGEND**
- APPROX. LOC. PROPERTY LINE
  - EXIST. BUILDING FOOTPRINT AT GROUND LEVEL
  - MW (with elevation) MONITORING WELL
  - X 93.36 EXISTING SPOT ELEVATION
  - X 92.93.36 EXIST. GUTTER ELEVATION



UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

<b>MONITORING WELL LOCATION MAP</b> <b>LOTS 5, 10 &amp; 13, BLOCK 1863</b> 143-159 WEST 108TH STREET BOROUGH OF MANHATTAN CITY, COUNTY & STATE OF NEW YORK			
DATE 08-08-2016	SCALE 1"=10'	DRAWN K.G.G.	CHECKED G.S.G.
FIELD DATE 07-29, 08-01-16	FIELD BOOK 56, 63	PAGE 16, 116	FIELD CREW M,C,K,C,R,C.
FILE NO.: G16162		DRAWING NAME/SHEET NO. G16162.DWG 1 OF 1	
<b>GALLAS SURVEYING GROUP</b> 2865 ROUTE 1 NORTH BRUNSWICK, NJ 08902 TEL: 732-422-6700 FAX: 732-944-8786 www.gallasurveying.com			NOT VALID UNLESS EMBOSSED WITH RAISED IMPRESSION OR BLUE INK SEAL  <b>GREGORY S. GALLAS</b> NEW YORK PROFESSIONAL LAND SURVEYOR #50124

**APPENDIX F**  
**SOIL VAPOR SAMPLING LOGS**

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-1  
**Canister ID:** 3515  
**Flow Controller ID:** 2577

**Purging**

**Time Started:** 13:28  
**Time Stopped:** 13:38  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

**Laboratory Sample (Summa Canister)**

**Time Started:** 13:38 **Vacuum:** -30 inHg  
**Time Stopped:** 15:45 **Vacuum:** -7 inHg

**Field Sample**

**PID Reading:** 102 ppm  
**He Reading:** 0.0 %

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-2  
**Canister ID:** 4792  
**Flow Controller ID:** 5182

**Purging**

**Time Started:** 13:16  
**Time Stopped:** 13:26  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

**Laboratory Sample (Summa Canister)**

**Time Started:** 13:26 **Vacuum:** -30 inHg  
**Time Stopped:** 15:20 **Vacuum:** -5 inHg

**Field Sample**

**PID Reading:** 6.4 ppm  
**He Reading:** 0.0 %

# AKRF, Inc.

Environmental Consultants

# Soil Gas Sampling Log

**Job No:** 22304 **Client:** MOER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-3  
**Canister ID:** 5148  
**Flow Controller ID:** 2834

## Purging

**Time Started:** 13:40  
**Time Stopped:** 13:50  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

## Laboratory Sample (Summa Canister)

**Time Started:** 13:50 **Vacuum:** -30 inHg  
**Time Stopped:** 15:40 **Vacuum:** -7 inHg

## Field Sample

**PID Reading:** 5.9 ppm  
**He Reading:** 0.0 %

# AKRF, Inc.

Environmental Consultants

# Soil Gas Sampling Log

**Job No:** 22304 **Client:** MOER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-4  
**Canister ID:** 4359  
**Flow Controller ID:** 5208

### Purging

**Time Started:** 13:04  
**Time Stopped:** 13:14  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 13:14 **Vacuum:** -30 inHg  
**Time Stopped:** 15:15 **Vacuum:** -7 inHg

### Field Sample

**PID Reading:** 10.6 ppm  
**He Reading:** 0.0 %

# AKRF, Inc.

Environmental Consultants

# Soil Gas Sampling Log

**Job No:** 22304 **Client:** MOER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-5  
**Canister ID:** 5035  
**Flow Controller ID:** 5002

### Purging

**Time Started:** 12:30  
**Time Stopped:** 12:40  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 12:40 **Vacuum:** -28 inHg  
**Time Stopped:** 14:49 **Vacuum:** -4 inHg

### Field Sample

**PID Reading:** 3.7 ppm  
**He Reading:** 0.0 %

# AKRF, Inc.

Environmental Consultants

# Soil Gas Sampling Log

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-6  
**Canister ID:** 5043  
**Flow Controller ID:** 5195

### Purging

**Time Started:** 12:40  
**Time Stopped:** 12:50  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

### Laboratory Sample (Summa Canister)

**Time Started:** 12:50 **Vacuum:** -30 inHg  
**Time Stopped:** 14:55 **Vacuum:** -4 inHg

### Field Sample

**PID Reading:** 22.3 ppm  
**He Reading:** 0.0 %

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-7  
**Canister ID:** 4346  
**Flow Controller ID:** 5212

**Purging**

**Time Started:** 12:50  
**Time Stopped:** 13:00  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

**Laboratory Sample (Summa Canister)**

**Time Started:** 13:00 **Vacuum:** -30 inHg  
**Time Stopped:** 15:05 **Vacuum:** -6 inHg

**Field Sample**

**PID Reading:** 8.7 ppm  
**He Reading:** 0.0 %

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-SV-8  
**Canister ID:** 5716  
**Flow Controller ID:** 3055

**Purging**

**Time Started:** 11:25  
**Time Stopped:** 11:30  
**Vol. Purged:** 1 L  
**Flow Rate:** 0.1 L/min

**Laboratory Sample (Summa Canister)**

**Time Started:** 11:35 **Vacuum:** -30 inHg  
**Time Stopped:** 13:42 **Vacuum:** -4 inHg

**Field Sample**

**PID Reading:** 2.0 ppm  
**He Reading:** 0.0 %

# AKRF, Inc.

Environmental Consultants

# Soil Gas Sampling Log

**Job No:** 22304 **Client:** NYC OER  
**Project Location:** 103-107 and 143-159  
West 108<sup>th</sup> Street **Sampled By:** EM  
**Date:** 7/11/16

**Sample ID:** W108-AA-1  
**Canister ID:** 4780  
**Flow Controller ID:** 4991

## Laboratory Sample (Summa Canister)

**Time Started:** 13:40 **Vacuum:** -30 inHg  
**Time Stopped:** 15:35 **Vacuum:** -7 inHg

**APPENDIX G**  
**MONITORING WELL SAMPLING LOGS**



## Well Sampling Log

<b>Job No:</b> 22304					<b>Client:</b> NYC OER			<b>Well No:</b>  <b>MW-4</b>	
<b>Project Location:</b> 103-107 and 143-159 West 108th Street					<b>Sampled By:</b> E. Matamoros				
<b>Date:</b> 7/29/2016					<b>Sampling Times:</b> :13:30				
<b>PID at surface:</b> 271 ppm									
<b>Total Depth:</b> 12.89 ft. below top of casing					<b>Water Column (W):</b> 9.88 feet			*= 0.041 * WC for 1" wells	
<b>Depth to Water:</b> 3.01 ft. below top of casing					<b>Well Volume*:</b> 0.41 gallons			*= 0.163 * WC for 2" wells	
<b>Depth to Product:</b> Not Detected					<b>Volume Purged:</b> 1.22 gallons			*= 0.653 * WC for 4" wells	
<b>Depth to top of screen:</b> 6.00 ft. below top of casing					<b>Well Diameter:</b> 1 inch			Target maximum flow rate is 100 ml/min	
<b>Depth to bottom of screen:</b> 16.00 ft. below top of casing					<b>Pump Type:</b> Geotech Peristaltic				
<b>Approx. Pump Intake:</b> 8 ft. below top of casing					<b>Field Screening Instrument:</b> Horiba U-52				
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)  Petroleum like odor and sheen, duplicate sample taken at 13:45 (W108-MW-X)
13:00	3.00	100	25.54	0.87	27.62	7.54	-52	23.7	
13:05	3.00	100	23.65	0.89	max	7.15	-106	26.5	
13:10	3.00	100	23.22	0.90	max	7.06	-129	24.4	
13:15	3.00	100	22.44	0.89	max	7.07	-115	23.1	
13:20	3.00	100	22.15	0.88	max	7.06	-100	21.7	
13:25	3.00	100	21.97	0.89	max	7.04	-89	20.7	
13:30	3.00	100	21.80	0.87	max	7.03	-80	19.9	
SAMPLING									
SAMPLING									
13:45	3.00	100	21.65	0.88	max	7.00	-65	30.2	
<b>Stabilization Criteria:</b>				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample W108-MW-4 analyzed for VOCs (EPA 8260), SVOCs (EPA 8270), TAL Metals (EPA 6020), and Pesticides (EPA 8081).



## Well Sampling Log

<b>Job No:</b> 22304					<b>Client:</b> NYC OER			<b>Well No:</b>  <b>MW-6</b>	
<b>Project Location:</b> 103-107 and 143-159 West 108th Street					<b>Sampled By:</b> E. Matamoros				
<b>Date:</b> 7/29/2016					<b>Sampling Times:</b> 11:15				
<b>PID at surface:</b> ND									
<b>Total Depth:</b> 8.12 ft. below top of casing					<b>Water Column (W):</b> 1.18 feet			* = 0.041 * WC for 1" wells	
<b>Depth to Water:</b> 6.94 ft. below top of casing					<b>Well Volume*:</b> 0.05 gallons			* = 0.163 * WC for 2" wells	
<b>Depth to Product:</b> Not Detected					<b>Volume Purged:</b> 0.14 gallons			* = 0.653 * WC for 4" wells	
<b>Depth to top of screen:</b> 3.00 ft. below top of casing					<b>Well Diameter:</b> 1 inch			Target maximum flow rate is 100 ml/min	
<b>Depth to bottom of screen:</b> 8.00 ft. below top of casing					<b>Pump Type:</b> Geotech Peristaltic				
<b>Approx. Pump Intake:</b> 7.5 ft. below top of casing					<b>Field Screening Instrument:</b> Horiba U-52				
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
10:10	6.94	500	23.31	1.24	24.29	6.35	81	362	
10:15	6.94	300	22.93	1.11	MAX	6.54	2	542	
10:20	6.94	100	22.16	0.80	MAX	6.71	-124	315	
10:25	6.94	100	21.99	0.79	MAX	6.69	-123	299	
10:30	6.94	100	21.98	0.75	MAX	671.00	-121	278	
10:35	6.94	100	21.99	0.78	MAX	9.75	-119	271	
10:40	6.94	100	22.03	0.77	MAX	6.80	-119	267	
10:45	6.94	100	22.20	0.76	MAX	6.86	-122	214	
10:50	6.94	100	22.17	0.76	MAX	6.86	-124	214	
10:55	6.94	100	22.49	0.75	MAX	6.98	-127	190	
11:00	6.94	100	22.61	0.74	MAX	7.04	-129	178	
11:05	6.94	100	22.62	0.74	MAX	7.09	-130	167	
11:10	6.94	100	22.44	0.74	MAX	7.11	-133	144	
11:15	6.94	100	22.74	0.74	MAX	7.12	-133	128	
<b>SAMPLING</b>									
11:50	6.94	100	22.73	0.73	MAX	7.16	-134	109	
<b>Stabilization Criteria:</b>				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater sample W108-MW-4 analyzed for VOCs (EPA 8260), SVOCs (EPA 8270), TAL Metals (EPA 6020), and Pesticides (EPA 8081).



**APPENDIX H**  
**LABORATORY DATA DELIVERABLES AND DUSRS FOR SOIL, GROUNDWATER, AND SOIL VAPOR**  
**ANALYSES**

## ANALYTICAL REPORT

Job Number: 460-116807-1

Job Description: West 108th Street

For:  
AKRF Inc  
440 Park Avenue South  
7th Floor  
New York, NY 10016  
Attention: Mr. Kenneth Wiles



Approved for release.  
Shalini Williams  
Project Management Assistant II  
7/26/2016 12:08 PM

---

Designee for  
Melissa Haas, Project Manager I  
777 New Durham Road, Edison, NJ, 08817  
(203)944-1310  
melissa.haas@testamericainc.com  
07/26/2016

cc: Ms. Deborah Shapiro

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

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**TestAmerica Laboratories, Inc.**

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## CASE NARRATIVE

Client: AKRF Inc

Project: West 108th Street

Report Number: 460-116807-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### RECEIPT

The samples were received on 7/11/2016 7:40 PM, 7/12/2016 6:40 PM, 7/13/2016 7:00 PM, 7/14/2016 8:00 PM and 7/19/2016 7:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 1.2° C, 1.4° C, 1.5° C, 1.5° C, 1.6° C and 2.1° C.

### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The samples from the following logins were marked for the same analyses multiple times, and marked for 8270D Low Level and 8260C SIM which are only applicable to ground water samples: 460-116807 and 460-116858. Per the client, the following methods are required for these samples:

8260C TCL VOC  
6020A/7471B TAL Metals (7470A for mercury field blank)  
7196A Hexavalent Chromium  
8081B Pesticides  
8082A PCBs  
8270D TCL SVOC

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Samples were checked off for the following tests twice: 8081B, 8082A, 8270D, 7196A.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No Project identification listed on COC. TB received 2 vials, but 3 listed on COC.

In addition, the project information was not listed on the chain of custody.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

### VOLATILE ORGANICS

Samples W108-SB-12 (0-2) (460-116807-1), W108-SB-5(0-2) (460-116858-1), W108-SB-7 (0-2) (460-116922-1), W108-SB-13(0-2) (460-116994-1), W108-SB-5(8-10) (460-116858-2), W108-SB-9 (0-2) (460-116922-2), W108-SB-14(0-2) (460-116994-2), W108-SB-8 (0-2) (460-116922-3), W108-SB-Y (460-116994-3), W108-SB-10 (0-2) (460-116922-4), W108-SB-12C(0-2) (460-116994-4), W108-SB-6 (0-2) (460-116922-5), W108-SB-12B(0-2) (460-116994-5), W108-SB-2-(0-2) (460-116858-6), W108-SB-11(0-2) (460-116994-6), W108-SB-X(3-4) (460-116858-7), W108-SB-12B(2-4) (460-116994-7), W108-SB-2(3-4) (460-116858-8), W108-SB-15(0-2) (460-116994-8), W108-SB-3(0-2) (460-116858-9), W108-SB-4(0-2) (460-116858-10), W108-SB-4(5-7) (460-116858-11), W108-SB-1(0-2) (460-116858-12) and W108-SB-1(5-7) (460-116858-13) were analyzed for Volatile organics in accordance with EPA SW-846 Method 8260C. The samples were prepared on 07/12/2016, 07/13/2016 and 07/15/2016 and analyzed on 07/14/2016, 07/15/2016, 07/16/2016, 07/17/2016 and 07/18/2016.

The continuing calibration verification (CCV) analyzed in batch 460-379053 was outside the method criteria for the following analyte(s): Carbon Tetrachloride and Bromoform (biased low) and Trichlorofluoromethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-378974 recovered above the upper control limit for Dichlorodifluoromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-379152 was outside the method criteria for the following analytes: Dichlorodifluoromethane and Trichlorofluoromethane (biased high) and Chloromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-379412 recovered above the upper control limit for Trichlorofluoromethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-379129 recovered above the upper control limit for Vinyl chloride, Dichlorodifluoromethane, Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-379154 was outside the method criteria for the following analyte: Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379260 was outside the method criteria for the following analyte(s): Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379524 was outside the method criteria for the following analyte(s): Vinyl chloride and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379471 was outside the method criteria for the following analyte(s): Trichlorofluoromethane, Dichlorodifluoromethane (biased high); 1,1,2,2-Tetrachloroethane and Chloromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-378974 recovered outside control limits for the following analytes: Dichlorodifluoromethane, Chloroethane, and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-379152 recovered outside control limits for the following analytes: Dichlorodifluoromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-379053 recovered outside control limits for the following analytes: Carbon disulfide, Carbon tetrachloride, Chlorodibromomethane and Bromoform. These analytes were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-379337 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated sample; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-379412 recovered outside control limits for the following analytes: Trichlorofluoromethane and Dichlorodifluoromethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-379422 recovered outside control limits for the following analyte: Chloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-379154 recovered outside control limits for the following analytes: Dibromochloromethane and Bromoform. These analytes were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-379260 recovered outside control limits for the following analytes: Carbon disulfide, Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorodibromomethane and Bromoform. These analytes were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-379524 recovered outside control limits for the following analytes: Vinyl chloride and Chloromethane. These analytes were not detected in the associated samples; therefore, the data have been reported.

Methylene Chloride was detected in method blank MB 460-379412/7 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Methylene Chloride was detected in method blank MB 460-379471/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Chloroethane, Dichlorodifluoromethane and Trichlorofluoromethane failed the recovery criteria high for LCS 460-378974/3. Bromoform, Carbon disulfide, Carbon tetrachloride and Dibromochloromethane failed the recovery criteria low for LCS 460-379053/3. Dichlorodifluoromethane and Trichlorofluoromethane failed the recovery criteria high for LCS 460-379152/3. Bromoform and Dibromochloromethane failed the recovery criteria low for LCS 460-379154/3. 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, Carbon disulfide, Chlorobenzene and Dibromochloromethane failed the recovery criteria low for LCS 460-379260/5. Chloromethane and Vinyl chloride failed the recovery criteria low for LCS 460-379524/4. Bromoform and Dibromochloromethane failed the recovery criteria low for LCSD 460-379154/4. Dichlorodifluoromethane and Trichlorofluoromethane failed the recovery criteria high for LCSD 460-379412/4. Chloromethane and Vinyl chloride failed the recovery criteria low for LCSD 460-379524/5. Refer to the QC report for details.

Acetone was detected in method blank LB3 460-378784/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Methylene Chloride was detected in method blank LB3 460-379235/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Bromodichloromethane, Bromoform, Carbon disulfide and Dibromochloromethane failed the recovery criteria low for the MS of sample 460-116581-13 in batch 460-379053.

Bromoform and Dibromochloromethane failed the recovery criteria low for the MSD of sample 460-116581-13 in batch 460-379053.

Several analytes failed the recovery criteria low for the MS of sample 460-116771-1 in batch 460-379260. Several analytes failed the recovery criteria low for the MSD of sample 460-116771-1 in batch 460-379260. 1,4-Dioxane exceeded the RPD limit.

Several analytes failed the recovery criteria low for the MS of sample W108-SB-3(0-2)MS (460-116858-9) in batch 460-378974. Trichloroethene failed the recovery criteria high. For the MSD of sample W108-SB-3(0-2)MSD (460-116858-9) in batch 460-378974, Several analytes failed the recovery criteria low. Trichloroethene failed the recovery criteria high. Also, 1,2,4-Trichlorobenzene exceeded the RPD limit.

Several analytes failed the recovery criteria low for the MS of sample W108-SB-15(0-2)MS (460-116994-8) in batch 460-379471. Trichloroethene failed the recovery criteria high. For the MSD of sample W108-SB-15(0-2)MSD (460-116994-8) in batch 460-379471, Several analytes failed the recovery criteria low. Acetone failed the recovery criteria high. Also, Several analytes exceeded the RPD limit.

Refer to the QC report for details.

The following samples were diluted to bring the concentration of target analytes within the calibration range and due to the abundance of non-target analytes: W108-SB-4(5-7) (460-116858-11). Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes within the calibration range: W108-SB-2(0-2) (460-116858-6). Elevated reporting limits (RLs) are provided.

The following sample was diluted due to the abundance of non-target analytes: W108-SB-2(3-4) (460-116858-8). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

#### **VOLATILE ORGANICS**

Samples TB20160714 (460-117248-1), TB20160712 (460-116858-4), FB20160712 (460-116858-5) and FB20160714 (460-116994-10) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 07/16/2016 and 07/22/2016.

The continuing calibration verification (CCV) analyzed in batch 460-379337 was outside the method criteria for the following analytes: Chloroethane and Trichlorofluoromethane (biased high); and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379422 was outside the method criteria for the following analyte(s): Chloroethane, Trichlorofluoromethane (biased high); and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-380463 was outside the method criteria for the following analytes: 1,2,3-Trichlorobenzene, 1,1,2,2-Tetrachloroethane, Methyl acetate and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Chloroethane failed the recovery criteria high for LCS 460-379337/3. Chloroethane failed the recovery criteria high for LCS 460-379422/3. Chloroethane failed the recovery criteria high for LCSD 460-379337/4.

Chloroethane failed the recovery criteria high for the MS of sample 460-116741-1 in batch 460-379422. Chloroethane and Trichlorofluoromethane failed the recovery criteria high for the MSD of sample 460-116741-1 in batch 460-379422.

1,4-Dioxane exceeded the RPD limit for the MSD of sample 460-117128-3 in batch 460-380463. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

#### **SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)**

Samples FB20160712 (460-116858-5) and FB20160714 (460-116994-10) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 07/13/2016 and 07/15/2016 and analyzed on 07/14/2016 and 07/16/2016.

Surrogates recoveries for the following laboratory control sample and laboratory control sample duplicate (LCS/LCSD) associated with batch 460-378878 were outside limits. All spike recoveries were within limits. Sample has been qualified and reported.

2-Fluorobiphenyl and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for LCS 460-378878/4-A. 2-Fluorobiphenyl and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for LCSD 460-378878/5-A. Refer to the QC report for details.

Several analytes failed the recovery criteria high for the MS of sample 460-116960-1 in batch 460-379378.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

#### **PESTICIDES**

Samples W108-SB-12 (0-2) (460-116807-1), W108-SB-5(0-2) (460-116858-1), W108-SB-7 (0-2) (460-116922-1), W108-SB-13(0-2) (460-116994-1), W108-SB-5(8-10) (460-116858-2), W108-SB-9 (0-2) (460-116922-2), W108-SB-14(0-2) (460-116994-2), W108-SB-8 (0-2) (460-116922-3), W108-SB-Y (460-116994-3), W108-SB-10 (0-2) (460-116922-4), W108-SB-12C(0-2) (460-116994-4), W108-SB-6 (0-2) (460-116922-5), W108-SB-12B(0-2) (460-116994-5), W108-SB-2-(0-2) (460-116858-6), W108-SB-11(0-2) (460-116994-6), W108-SB-X(3-4) (460-116858-7), W108-SB-12B(2-4) (460-116994-7), W108-SB-2(3-4) (460-116858-8), W108-SB-15(0-2) (460-116994-8), W108-SB-3(0-2) (460-116858-9), W108-SB-4(0-2) (460-116858-10), W108-SB-4(5-7) (460-116858-11), W108-SB-1(0-2) (460-116858-12) and W108-SB-1(5-7) (460-116858-13) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 07/13/2016, 07/14/2016, 07/15/2016, 07/16/2016 and 07/18/2016 and analyzed on 07/14/2016, 07/15/2016, 07/18/2016 and 07/19/2016.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

#### **PESTICIDES**

Samples FB20160712 (460-116858-5) and FB20160714 (460-116994-10) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 07/13/2016 and 07/15/2016 and analyzed on 07/13/2016 and 07/18/2016.

Surrogate recovery for the following sample was outside the upper control limit: FB20160712 (460-116858-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The %RPD between the primary and confirmation column exceeded 40% for 4,4'-DDD for the following sample: W108-SB-12 (0-2) (460-116807-1). The lower value has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081B: The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: W108-SB-X(3-4) (460-116858-7), W108-SB-2(3-4) (460-116858-8) and W108-SB-4(0-2) (460-116858-10). The reagent lot number used was: SLBC3181V.

The following sample required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: W108-SB-4(5-7) (460-116858-11). The reagent lot number used was: SLBC3181V.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for FB20160712 (460-116858-5).

Endrin aldehyde failed the recovery criteria high for LCS 460-378802/2-A.

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS**

Samples W108-SB-12 (0-2) (460-116807-1), W108-SB-5(0-2) (460-116858-1), W108-SB-7 (0-2) (460-116922-1), W108-SB-13(0-2) (460-116994-1), W108-SB-5(8-10) (460-116858-2), W108-SB-9 (0-2) (460-116922-2), W108-SB-14(0-2) (460-116994-2), W108-SB-8 (0-2) (460-116922-3), W108-SB-Y (460-116994-3), W108-SB-10 (0-2) (460-116922-4), W108-SB-12C(0-2) (460-116994-4), W108-SB-6 (0-2) (460-116922-5), W108-SB-12B(0-2) (460-116994-5), W108-SB-2-(0-2) (460-116858-6), W108-SB-11(0-2) (460-116994-6), W108-SB-X(3-4) (460-116858-7), W108-SB-12B(2-4) (460-116994-7), W108-SB-2(3-4) (460-116858-8), W108-SB-15(0-2) (460-116994-8), W108-SB-3(0-2) (460-116858-9), W108-SB-4(0-2) (460-116858-10), W108-SB-4(5-7) (460-116858-11), W108-SB-1(0-2) (460-116858-12) and W108-SB-1(5-7) (460-116858-13) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/13/2016, 07/14/2016, 07/15/2016 and 07/18/2016 and analyzed on 07/14/2016, 07/15/2016, 07/18/2016 and 07/19/2016.

The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: W108-SB-X(3-4) (460-116858-7), W108-SB-2(3-4) (460-116858-8) and W108-SB-4(0-2) (460-116858-10). The reagent lot number used was: <SLBC3181V>.

Surrogate recovery for the following samples were outside the upper control limit: W108-SB-14(0-2) (460-116994-2) and W108-SB-12B(0-2) (460-116994-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for W108-SB-14(0-2) (460-116994-2). DCB Decachlorobiphenyl failed the surrogate recovery criteria high for W108-SB-12B(0-2) (460-116994-5).

Aroclor 1260 failed the recovery criteria high for the MS of sample W108-SB-6 (0-2)MS (460-116922-5) in batch 460-379556.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

#### **POLYCHLORINATED BIPHENYLS (PCBS)**

Samples FB20160712 (460-116858-5) and FB20160714 (460-116994-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/13/2016 and 07/15/2016 and analyzed on 07/13/2016 and 07/18/2016.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

#### **SEMIVOLATILE ORGANIC COMPOUNDS**

Samples W108-SB-12 (0-2) (460-116807-1), W108-SB-5(0-2) (460-116858-1), W108-SB-7 (0-2) (460-116922-1), W108-SB-13(0-2) (460-116994-1), W108-SB-5(8-10) (460-116858-2), W108-SB-9 (0-2) (460-116922-2), W108-SB-14(0-2) (460-116994-2), W108-SB-8 (0-2) (460-116922-3), W108-SB-Y (460-116994-3), W108-SB-10 (0-2) (460-116922-4), W108-SB-12C(0-2) (460-116994-4), W108-SB-6 (0-2) (460-116922-5), W108-SB-12B(0-2) (460-116994-5), W108-SB-2-(0-2) (460-116858-6), W108-SB-11(0-2) (460-116994-6), W108-SB-X(3-4) (460-116858-7), W108-SB-12B(2-4) (460-116994-7), W108-SB-2(3-4) (460-116858-8), W108-SB-15(0-2) (460-116994-8), W108-SB-3(0-2) (460-116858-9), W108-SB-4(0-2) (460-116858-10), W108-SB-4(5-7) (460-116858-11), W108-SB-1(0-2) (460-116858-12) and W108-SB-1(5-7) (460-116858-13) were analyzed for Semivolatile organic compounds in accordance with EPA SW-846 Method 8270D. The samples were prepared on 07/14/2016 and 07/15/2016 and analyzed on 07/15/2016, 07/18/2016, 07/19/2016 and 07/20/2016.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more

analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 460-379075 had five analytes (Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, 2,2'-oxybis[1-chloropropane], 1,1'-Biphenyl and Di-n-octyl phthalate) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in 460-378964 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene, Benzo[g,h,i]perylene, Hexachlorocyclopentadiene, Benzo[a]pyrene and Dibenz(a,h)anthracene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379179 was outside the method criteria for the following analyte(s): Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate, 2,4,6-Tribromophenol, 2,2'-oxybis[1-chloropropane], Hexachlorobenzene, Hexachlorobutadiene and Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-379971 was outside the method criteria for the following analyte(s): Phenol, bis (2-chloroisopropyl) ether and Hexachlorocyclopentadiene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Surrogate recovery for the following samples was outside the upper control limit: (LCS 460-379071/2-A) and (LCS 460-379071/3-A).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: W108-SB-X(3-4) (460-116858-7), W108-SB-3(0-2) (460-116858-9), W108-SB-3(0-2) (460-116858-9[MS]), W108-SB-3(0-2) (460-116858-9[MSD]) and W108-SB-1(5-7) (460-116858-13). These results have been reported and qualified.

Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: W108-SB-7 (0-2) (460-116922-1). These results have been reported and qualified.

Surrogate recovery for the following samples was outside the upper control limit: (LCS 460-379309/2-A) and (LCS 460-379309/3-A).

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: W108-SB-12C(0-2) (460-116994-4). These results have been reported and qualified.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: W108-SB-2-(0-2) (460-116858-6). These results have been reported and qualified.

The following laboratory control sample (LCS) associated with batch 460-379075 contained one acid/base surrogate outside acceptance limits: (LCS 460-379075/2-A) and (LCS 460-379075/3-A). The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for W108-SB-1(5-7) (460-116858-13). 2-Fluorobiphenyl failed the surrogate recovery criteria high. 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for W108-SB-2-(0-2) (460-116858-6). 2-Fluorobiphenyl failed the surrogate recovery criteria high for W108-SB-X(3-4) (460-116858-7). 2-Fluorobiphenyl failed the surrogate recovery criteria high for W108-SB-3(0-2) (460-116858-9). 2,4,6-Tribromophenol (Surr) and 2-Fluorophenol (Surr) failed the surrogate recovery criteria low for W108-SB-7 (0-2) (460-116922-1). 2,4,6-Tribromophenol (Surr) failed the surrogate recovery criteria low for W108-SB-12C(0-2) (460-116994-4). 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl, 2-Fluorophenol (Surr) and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria high for LCS 460-379071/2-A. 2,4,6-Tribromophenol (Surr), 2-Fluorobiphenyl and 2-Fluorophenol (Surr) failed the surrogate recovery criteria high for LCS 460-379071/3-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-379075/2-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-379075/3-A. 2,4,6-Tribromophenol (Surr) and 2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-379309/2-A. 2,4,6-Tribromophenol (Surr) and 2-Fluorophenol (Surr) failed the surrogate recovery criteria high for LCS 460-379309/3-A. 2-Fluorobiphenyl failed the surrogate recovery criteria high for W108-SB-3(0-2)MS (460-116858-9MS). 2-Fluorobiphenyl failed the surrogate recovery criteria high for W108-SB-3(0-2)MSD (460-116858-9MSD).

bis (2-chloroisopropyl) ether failed the recovery criteria low for LCS 460-379075/2-A. 1,1'-Biphenyl, Bis(2-ethylhexyl) phthalate, Butyl benzyl phthalate and Di-n-octyl phthalate failed the recovery criteria high. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample W108-SB-3(0-2)MS (460-116858-9) in batch 460-379179. Several analytes failed the recovery criteria low for the MSD of sample W108-SB-3(0-2)MSD (460-116858-9) in batch 460-379179.

Several analytes failed the recovery criteria low for the MS of sample 460-116902-4 in batch 460-379174. Several analytes failed the recovery criteria low for the MSD of sample 460-116902-4 in batch 460-379174. Several analytes exceeded the RPD limit.

Several analytes failed the recovery criteria low for the MS of sample W108-SB-15(0-2)MS (460-116994-8) in batch 460-379971. Several analytes failed the recovery criteria low for the MSD of sample W108-SB-15(0-2)MSD (460-116994-8) in batch 460-379971.

Refer to the QC report for details.

Sample W108-SB-7 (0-2) (460-116922-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

**TOTAL METALS**

Samples W108-SB-12 (0-2) (460-116807-1), W108-SB-5(0-2) (460-116858-1), W108-SB-7 (0-2) (460-116922-1), W108-SB-13(0-2) (460-116994-1), W108-SB-5(8-10) (460-116858-2), W108-SB-9 (0-2) (460-116922-2), W108-SB-14(0-2) (460-116994-2), W108-SB-8 (0-2) (460-116922-3), W108-SB-Y (460-116994-3), W108-SB-10 (0-2) (460-116922-4), W108-SB-12C(0-2) (460-116994-4), W108-SB-6 (0-2) (460-116922-5), W108-SB-12B(0-2) (460-116994-5), W108-SB-2-(0-2) (460-116858-6), W108-SB-11(0-2) (460-116994-6), W108-SB-X(3-4) (460-116858-7), W108-SB-12B(2-4) (460-116994-7), W108-SB-2(3-4) (460-116858-8), W108-SB-15(0-2) (460-116994-8), W108-SB-3(0-2) (460-116858-9), W108-SB-4(0-2) (460-116858-10), W108-SB-4(5-7) (460-116858-11), W108-SB-1(0-2) (460-116858-12) and W108-SB-1(5-7) (460-116858-13) were analyzed for total metals in accordance with EPA SW-846 Method 6020A. The samples were prepared on 07/13/2016, 07/14/2016 and 07/17/2016 and

# SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-116807-1	W108-SB-12 (0-2)	Solid	07/11/2016 1125	07/11/2016 1940
460-116858-1	W108-SB-5(0-2)	Solid	07/12/2016 1155	07/12/2016 1840
460-116858-2	W108-SB-5(8-10)	Solid	07/12/2016 1205	07/12/2016 1840
460-116858-4TB	TB20160712	Water	07/12/2016 0000	07/12/2016 1840
460-116858-5FB	FB20160712	Water	07/12/2016 1225	07/12/2016 1840
460-116858-6	W108-SB-2-(0-2)	Solid	07/12/2016 1300	07/12/2016 1840
460-116858-7	W108-SB-X(3-4)	Solid	07/12/2016 1310	07/12/2016 1840
460-116858-8	W108-SB-2(3-4)	Solid	07/12/2016 1325	07/12/2016 1840
460-116858-9	W108-SB-3(0-2)	Solid	07/12/2016 1426	07/12/2016 1840
460-116858-9MSS	W108-SB-3(0-2)	Solid	07/12/2016 1426	07/12/2016 1840
460-116858-9MS	W108-SB-3(0-2)	Solid	07/12/2016 1426	07/12/2016 1840
460-116858-9MSD	W108-SB-3(0-2)	Solid	07/12/2016 1426	07/12/2016 1840
460-116858-9DU	W108-SB-3(0-2)	Solid	07/12/2016 1426	07/12/2016 1840
460-116858-10	W108-SB-4(0-2)	Solid	07/12/2016 1520	07/12/2016 1840
460-116858-11	W108-SB-4(5-7)	Solid	07/12/2016 1540	07/12/2016 1840
460-116858-12	W108-SB-1(0-2)	Solid	07/12/2016 1545	07/12/2016 1840
460-116858-13	W108-SB-1(5-7)	Solid	07/12/2016 1550	07/12/2016 1840
460-116922-1	W108-SB-7 (0-2)	Solid	07/13/2016 1445	07/13/2016 1900
460-116922-2	W108-SB-9 (0-2)	Solid	07/13/2016 1405	07/13/2016 1900
460-116922-3	W108-SB-8 (0-2)	Solid	07/13/2016 1115	07/13/2016 1900
460-116922-4	W108-SB-10 (0-2)	Solid	07/13/2016 1230	07/13/2016 1900
460-116922-5	W108-SB-6 (0-2)	Solid	07/12/2016 1025	07/13/2016 1900
460-116994-1	W108-SB-13(0-2)	Solid	07/14/2016 1405	07/14/2016 2000
460-116994-2	W108-SB-14(0-2)	Solid	07/14/2016 1455	07/14/2016 2000
460-116994-3	W108-SB-Y	Solid	07/14/2016 1015	07/14/2016 2000
460-116994-4	W108-SB-12C(0-2)	Solid	07/14/2016 1110	07/14/2016 2000
460-116994-5	W108-SB-12B(0-2)	Solid	07/14/2016 0930	07/14/2016 2000
460-116994-6	W108-SB-11(0-2)	Solid	07/14/2016 1245	07/14/2016 2000
460-116994-7	W108-SB-12B(2-4)	Solid	07/14/2016 0950	07/14/2016 2000
460-116994-8	W108-SB-15(0-2)	Solid	07/14/2016 1520	07/14/2016 2000
460-116994-8MSS	W108-SB-15(0-2)	Solid	07/14/2016 1520	07/14/2016 2000
460-116994-8MS	W108-SB-15(0-2)	Solid	07/14/2016 1520	07/14/2016 2000
460-116994-8MSD	W108-SB-15(0-2)	Solid	07/14/2016 1520	07/14/2016 2000
460-116994-8DU	W108-SB-15(0-2)	Solid	07/14/2016 1520	07/14/2016 2000
460-116994-10FB	FB20160714	Water	07/14/2016 1430	07/14/2016 2000
460-117248-1TB	TB20160714	Water	07/14/2016 0000	07/19/2016 1940

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116807-1</b>	<b>W108-SB-12 (0-2)</b>					
Methylene Chloride		0.00067	J B	0.0013	mg/Kg	8260C
2-Methylnaphthalene		0.13	J	0.39	mg/Kg	8270D
Acetophenone		0.034	J	0.39	mg/Kg	8270D
Benzaldehyde		0.037	J	0.39	mg/Kg	8270D
Benzo[a]anthracene		0.048		0.039	mg/Kg	8270D
Benzo[b]fluoranthene		0.075		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.53		0.39	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.30	J *	0.39	mg/Kg	8270D
Carbazole		0.012	J	0.39	mg/Kg	8270D
Chrysene		0.066	J	0.39	mg/Kg	8270D
Dibenzofuran		0.020	J	0.39	mg/Kg	8270D
Diethyl phthalate		0.040	J	0.39	mg/Kg	8270D
Di-n-butyl phthalate		0.068	J	0.39	mg/Kg	8270D
Fluoranthene		0.066	J	0.39	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.12		0.039	mg/Kg	8270D
Naphthalene		0.073	J	0.39	mg/Kg	8270D
Phenanthrene		0.12	J	0.39	mg/Kg	8270D
Pyrene		0.095	J	0.39	mg/Kg	8270D
4,4'-DDD		0.0035	J p	0.0079	mg/Kg	8081B
4,4'-DDE		0.0020	J	0.0079	mg/Kg	8081B
4,4'-DDT		0.019		0.0079	mg/Kg	8081B
Aroclor 1260		0.057	J	0.079	mg/Kg	8082A
Polychlorinated biphenyls, Total		0.057	J	0.079	mg/Kg	8082A
Aluminum		9780		22.6	mg/Kg	6020A
Antimony		0.94	J	1.1	mg/Kg	6020A
Arsenic		8.6		1.1	mg/Kg	6020A
Barium		392		2.3	mg/Kg	6020A
Beryllium		0.27	J	0.45	mg/Kg	6020A
Cadmium		6.3		1.1	mg/Kg	6020A
Calcium		15900		113	mg/Kg	6020A
Chromium		42.5		2.3	mg/Kg	6020A
Cobalt		8.9		2.3	mg/Kg	6020A
Copper		88.5		2.3	mg/Kg	6020A
Iron		24800		67.9	mg/Kg	6020A
Lead		1990		0.68	mg/Kg	6020A
Magnesium		3880		113	mg/Kg	6020A
Manganese		275		4.5	mg/Kg	6020A
Nickel		26.6		2.3	mg/Kg	6020A
Potassium		3810		113	mg/Kg	6020A
Selenium		1.6	J	5.7	mg/Kg	6020A
Sodium		414		113	mg/Kg	6020A
Thallium		0.25	J	0.45	mg/Kg	6020A
Vanadium		50.1		2.3	mg/Kg	6020A
Zinc		679		9.1	mg/Kg	6020A
Mercury		0.46		0.020	mg/Kg	7471B
Chromium, hexavalent		1.9	J	2.4	mg/Kg	7196A

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Moisture		15.0		1.0	%	Moisture
Percent Solids		85.0		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-1</b>	<b>W108-SB-5(0-2)</b>					
2-Methylnaphthalene		0.031	J	0.37	mg/Kg	8270D
Acenaphthene		0.043	J	0.37	mg/Kg	8270D
Acenaphthylene		0.28	J	0.37	mg/Kg	8270D
Anthracene		0.45		0.37	mg/Kg	8270D
Benzo[a]anthracene		2.2		0.037	mg/Kg	8270D
Benzo[a]pyrene		2.4		0.037	mg/Kg	8270D
Benzo[b]fluoranthene		3.1		0.037	mg/Kg	8270D
Benzo[g,h,i]perylene		2.4		0.37	mg/Kg	8270D
Benzo[k]fluoranthene		1.1		0.037	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.46	*	0.37	mg/Kg	8270D
Butyl benzyl phthalate		0.058	J *	0.37	mg/Kg	8270D
Carbazole		0.16	J	0.37	mg/Kg	8270D
Chrysene		2.3		0.37	mg/Kg	8270D
Dibenz(a,h)anthracene		0.63		0.037	mg/Kg	8270D
Dibenzofuran		0.083	J	0.37	mg/Kg	8270D
Di-n-butyl phthalate		0.017	J	0.37	mg/Kg	8270D
Fluoranthene		4.2		0.37	mg/Kg	8270D
Fluorene		0.15	J	0.37	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		2.5		0.037	mg/Kg	8270D
Naphthalene		0.083	J	0.37	mg/Kg	8270D
Phenanthrene		2.4		0.37	mg/Kg	8270D
Pyrene		3.1		0.37	mg/Kg	8270D
4,4'-DDD		0.0051	J	0.0075	mg/Kg	8081B
4,4'-DDE		0.0052	J	0.0075	mg/Kg	8081B
4,4'-DDT		0.019		0.0075	mg/Kg	8081B
Dieldrin		0.0088		0.0022	mg/Kg	8081B
Aluminum		5800		20.4	mg/Kg	6020A
Arsenic		6.8		1.0	mg/Kg	6020A
Barium		421		2.0	mg/Kg	6020A
Beryllium		0.27	J	0.41	mg/Kg	6020A
Cadmium		0.45	J	1.0	mg/Kg	6020A
Calcium		22200		102	mg/Kg	6020A
Chromium		16.5		2.0	mg/Kg	6020A
Cobalt		4.3		2.0	mg/Kg	6020A
Copper		26.6		2.0	mg/Kg	6020A
Iron		11300		61.1	mg/Kg	6020A
Lead		456		0.61	mg/Kg	6020A
Magnesium		3140		102	mg/Kg	6020A
Manganese		228		4.1	mg/Kg	6020A
Nickel		13.1		2.0	mg/Kg	6020A
Potassium		1000		102	mg/Kg	6020A
Sodium		161		102	mg/Kg	6020A
Vanadium		36.6		2.0	mg/Kg	6020A
Zinc		244		8.1	mg/Kg	6020A
Mercury		0.43		0.018	mg/Kg	7471B
Percent Moisture		10.7		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Solids		89.3		1.0	%	Moisture
<b>460-116858-2</b>	<b>W108-SB-5(8-10)</b>					
2-Methylnaphthalene		0.050	J	0.39	mg/Kg	8270D
Benzo[a]anthracene		0.040		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.039		0.039	mg/Kg	8270D
Benzo[b]fluoranthene		0.051		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.049	J	0.39	mg/Kg	8270D
Benzo[k]fluoranthene		0.023	J	0.039	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.38	J *	0.39	mg/Kg	8270D
Butyl benzyl phthalate		3.1	*	0.39	mg/Kg	8270D
Chrysene		0.044	J	0.39	mg/Kg	8270D
Fluoranthene		0.062	J	0.39	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.049		0.039	mg/Kg	8270D
Naphthalene		0.012	J	0.39	mg/Kg	8270D
Phenanthrene		0.032	J	0.39	mg/Kg	8270D
Pyrene		0.062	J	0.39	mg/Kg	8270D
4,4'-DDE		0.0031	J	0.0079	mg/Kg	8081B
4,4'-DDT		0.0097		0.0079	mg/Kg	8081B
Aluminum		9710		21.3	mg/Kg	6020A
Arsenic		5.4		1.1	mg/Kg	6020A
Barium		335		2.1	mg/Kg	6020A
Beryllium		0.31	J	0.43	mg/Kg	6020A
Calcium		22600		107	mg/Kg	6020A
Chromium		19.0		2.1	mg/Kg	6020A
Cobalt		8.9		2.1	mg/Kg	6020A
Copper		24.5		2.1	mg/Kg	6020A
Iron		20000		64.0	mg/Kg	6020A
Lead		397		0.64	mg/Kg	6020A
Magnesium		5590		107	mg/Kg	6020A
Manganese		306		4.3	mg/Kg	6020A
Nickel		19.0		2.1	mg/Kg	6020A
Potassium		3240		107	mg/Kg	6020A
Sodium		178		107	mg/Kg	6020A
Vanadium		28.8		2.1	mg/Kg	6020A
Zinc		187		8.5	mg/Kg	6020A
Mercury		0.36		0.020	mg/Kg	7471B
Percent Moisture		14.8		1.0	%	Moisture
Percent Solids		85.2		1.0	%	Moisture
<b>460-116858-4TB</b>	<b>TB20160712</b>					
Methylene Chloride		0.45	J	1.0	ug/L	8260C

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-5FB</b>	<b>FB20160712</b>					
2-Butanone (MEK)		15		5.0	ug/L	8260C
Acetone		21		5.0	ug/L	8260C
Acetophenone		3.3	J	10	ug/L	8270D
<b>460-116858-6</b>	<b>W108-SB-2-(0-2)</b>					
Benzene		0.13	J	0.17	mg/Kg	8260C
Ethylbenzene		0.061	J	0.17	mg/Kg	8260C
m&p-Xylene		0.41		0.17	mg/Kg	8260C
o-Xylene		0.20		0.17	mg/Kg	8260C
Toluene		1.5		0.17	mg/Kg	8260C
Xylenes, Total		0.61		0.34	mg/Kg	8260C
2-Methylnaphthalene		0.015	J	0.37	mg/Kg	8270D
Acetophenone		0.028	J	0.37	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.075	J *	0.37	mg/Kg	8270D
Chrysene		0.037	J	0.37	mg/Kg	8270D
Di-n-butyl phthalate		0.016	J	0.37	mg/Kg	8270D
Fluoranthene		0.043	J	0.37	mg/Kg	8270D
Isophorone		0.26		0.15	mg/Kg	8270D
Naphthalene		0.011	J	0.37	mg/Kg	8270D
Phenanthrene		0.024	J	0.37	mg/Kg	8270D
Pyrene		0.054	J	0.37	mg/Kg	8270D
Aluminum		16600		19.9	mg/Kg	6020A
Arsenic		2.6		1.0	mg/Kg	6020A
Barium		201		2.0	mg/Kg	6020A
Beryllium		0.51		0.40	mg/Kg	6020A
Calcium		34200		99.7	mg/Kg	6020A
Chromium		42.5		2.0	mg/Kg	6020A
Cobalt		12.4		2.0	mg/Kg	6020A
Copper		21.1		2.0	mg/Kg	6020A
Iron		23400		59.8	mg/Kg	6020A
Lead		44.7		0.60	mg/Kg	6020A
Magnesium		8860		99.7	mg/Kg	6020A
Manganese		395		4.0	mg/Kg	6020A
Nickel		36.2		2.0	mg/Kg	6020A
Potassium		8270		99.7	mg/Kg	6020A
Selenium		0.42	J	5.0	mg/Kg	6020A
Sodium		957		99.7	mg/Kg	6020A
Thallium		0.37	J	0.40	mg/Kg	6020A
Vanadium		50.7		2.0	mg/Kg	6020A
Zinc		80.1		8.0	mg/Kg	6020A
Mercury		0.19		0.018	mg/Kg	7471B
Percent Moisture		12.0		1.0	%	Moisture
Percent Solids		88.0		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-7</b>	<b>W108-SB-X(3-4)</b>					
Acetone		0.040	B	0.0063	mg/Kg	8260C
Benzene		0.00086	J	0.0013	mg/Kg	8260C
Carbon disulfide		0.0018		0.0013	mg/Kg	8260C
Ethylbenzene		0.00088	J	0.0013	mg/Kg	8260C
Isopropylbenzene		0.015		0.0013	mg/Kg	8260C
m&p-Xylene		0.0035		0.0013	mg/Kg	8260C
o-Xylene		0.00089	J	0.0013	mg/Kg	8260C
Toluene		0.0027		0.0013	mg/Kg	8260C
Xylenes, Total		0.0044		0.0025	mg/Kg	8260C
2-Methylnaphthalene		0.026	J	0.39	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.18	J *	0.39	mg/Kg	8270D
Di-n-butyl phthalate		0.024	J	0.39	mg/Kg	8270D
Fluoranthene		0.013	J	0.39	mg/Kg	8270D
Isophorone		0.043	J	0.16	mg/Kg	8270D
Naphthalene		0.022	J	0.39	mg/Kg	8270D
Pyrene		0.020	J	0.39	mg/Kg	8270D
Aluminum		9390		19.7	mg/Kg	6020A
Arsenic		2.2		0.98	mg/Kg	6020A
Barium		79.1		2.0	mg/Kg	6020A
Beryllium		0.53		0.39	mg/Kg	6020A
Calcium		1640		98.4	mg/Kg	6020A
Chromium		23.1		2.0	mg/Kg	6020A
Cobalt		6.1		2.0	mg/Kg	6020A
Copper		18.8		2.0	mg/Kg	6020A
Iron		14200		59.0	mg/Kg	6020A
Lead		9.4		0.59	mg/Kg	6020A
Magnesium		3140		98.4	mg/Kg	6020A
Manganese		121		3.9	mg/Kg	6020A
Nickel		14.6		2.0	mg/Kg	6020A
Potassium		2310		98.4	mg/Kg	6020A
Sodium		123		98.4	mg/Kg	6020A
Thallium		0.15	J	0.39	mg/Kg	6020A
Vanadium		28.6		2.0	mg/Kg	6020A
Zinc		35.2		7.9	mg/Kg	6020A
Mercury		0.027		0.019	mg/Kg	7471B
Percent Moisture		14.6		1.0	%	Moisture
Percent Solids		85.4		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-8</b>	<b>W108-SB-2(3-4)</b>					
Ethylbenzene		0.12		0.11	mg/Kg	8260C
Isopropylbenzene		0.34		0.11	mg/Kg	8260C
m&p-Xylene		0.35		0.11	mg/Kg	8260C
o-Xylene		0.061	J	0.11	mg/Kg	8260C
Toluene		0.18		0.11	mg/Kg	8260C
Xylenes, Total		0.41		0.23	mg/Kg	8260C
2-Methylnaphthalene		0.036	J	0.37	mg/Kg	8270D
Acetophenone		0.051	J	0.37	mg/Kg	8270D
Benzo[b]fluoranthene		0.018	J	0.037	mg/Kg	8270D
Di-n-butyl phthalate		0.024	J	0.37	mg/Kg	8270D
Fluoranthene		0.017	J	0.37	mg/Kg	8270D
Naphthalene		0.032	J	0.37	mg/Kg	8270D
Phenanthrene		0.013	J	0.37	mg/Kg	8270D
Pyrene		0.025	J	0.37	mg/Kg	8270D
Aluminum		8030		22.1	mg/Kg	6020A
Arsenic		1.5		1.1	mg/Kg	6020A
Barium		82.4		2.2	mg/Kg	6020A
Beryllium		0.34	J	0.44	mg/Kg	6020A
Calcium		1730		110	mg/Kg	6020A
Chromium		20.8		2.2	mg/Kg	6020A
Cobalt		4.1		2.2	mg/Kg	6020A
Copper		16.4		2.2	mg/Kg	6020A
Iron		12200		66.2	mg/Kg	6020A
Lead		11.3		0.66	mg/Kg	6020A
Magnesium		2930		110	mg/Kg	6020A
Manganese		91.3		4.4	mg/Kg	6020A
Nickel		9.9		2.2	mg/Kg	6020A
Potassium		2630		110	mg/Kg	6020A
Sodium		120		110	mg/Kg	6020A
Vanadium		19.2		2.2	mg/Kg	6020A
Zinc		31.0		8.8	mg/Kg	6020A
Mercury		0.045		0.018	mg/Kg	7471B
Percent Moisture		12.0		1.0	%	Moisture
Percent Solids		88.0		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-9</b>	<b>W108-SB-3(0-2)</b>					
Acetone		0.014	B	0.011	mg/Kg	8260C
Toluene		0.0023	F1	0.0021	mg/Kg	8260C
Butyl benzyl phthalate		0.042	J *	0.40	mg/Kg	8270D
Isophorone		0.016	J	0.16	mg/Kg	8270D
Aluminum		10400		23.1	mg/Kg	6020A
Arsenic		1.7		1.2	mg/Kg	6020A
Barium		67.6		2.3	mg/Kg	6020A
Beryllium		0.54		0.46	mg/Kg	6020A
Calcium		1080	F1	116	mg/Kg	6020A
Chromium		23.1		2.3	mg/Kg	6020A
Cobalt		11.9		2.3	mg/Kg	6020A
Copper		14.4		2.3	mg/Kg	6020A
Iron		16000		69.4	mg/Kg	6020A
Lead		7.2		0.69	mg/Kg	6020A
Magnesium		3080		116	mg/Kg	6020A
Manganese		115		4.6	mg/Kg	6020A
Nickel		13.5		2.3	mg/Kg	6020A
Potassium		1560		116	mg/Kg	6020A
Sodium		63.3	J	116	mg/Kg	6020A
Thallium		0.22	J	0.46	mg/Kg	6020A
Vanadium		24.2		2.3	mg/Kg	6020A
Zinc		43.9		9.3	mg/Kg	6020A
Percent Moisture		16.9		1.0	%	Moisture
Percent Solids		83.1		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-10</b>	<b>W108-SB-4(0-2)</b>					
Acetone		0.013	B	0.0057	mg/Kg	8260C
Cyclohexane		0.0010	J	0.0011	mg/Kg	8260C
Isopropylbenzene		0.00054	J	0.0011	mg/Kg	8260C
m&p-Xylene		0.00059	J	0.0011	mg/Kg	8260C
Methylcyclohexane		0.0042		0.0011	mg/Kg	8260C
Toluene		0.00075	J	0.0011	mg/Kg	8260C
Xylenes, Total		0.00059	J	0.0023	mg/Kg	8260C
2-Methylnaphthalene		0.55		0.42	mg/Kg	8270D
Acetophenone		0.049	J	0.42	mg/Kg	8270D
Di-n-butyl phthalate		0.041	J	0.42	mg/Kg	8270D
Naphthalene		0.20	J	0.42	mg/Kg	8270D
Phenanthrene		0.012	J	0.42	mg/Kg	8270D
Aluminum		8880		22.9	mg/Kg	6020A
Arsenic		2.4		1.1	mg/Kg	6020A
Barium		73.9		2.3	mg/Kg	6020A
Beryllium		0.41	J	0.46	mg/Kg	6020A
Calcium		2890		115	mg/Kg	6020A
Chromium		14.2		2.3	mg/Kg	6020A
Cobalt		4.3		2.3	mg/Kg	6020A
Copper		11.0		2.3	mg/Kg	6020A
Iron		10300		68.8	mg/Kg	6020A
Lead		158		0.69	mg/Kg	6020A
Magnesium		1580		115	mg/Kg	6020A
Manganese		152		4.6	mg/Kg	6020A
Nickel		8.4		2.3	mg/Kg	6020A
Potassium		671		115	mg/Kg	6020A
Selenium		0.44	J	5.7	mg/Kg	6020A
Sodium		110	J	115	mg/Kg	6020A
Vanadium		20.2		2.3	mg/Kg	6020A
Zinc		74.7		9.2	mg/Kg	6020A
Mercury		0.090		0.021	mg/Kg	7471B
Percent Moisture		21.4		1.0	%	Moisture
Percent Solids		78.6		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-11</b>	<b>W108-SB-4(5-7)</b>					
Cyclohexane		12		0.26	mg/Kg	8260C
Isopropylbenzene		1.8		0.26	mg/Kg	8260C
Methylcyclohexane		69		0.26	mg/Kg	8260C
2-Methylnaphthalene		2.9		0.45	mg/Kg	8270D
Acenaphthene		0.044	J	0.45	mg/Kg	8270D
Benzo[a]anthracene		0.045		0.045	mg/Kg	8270D
Benzo[a]pyrene		0.027	J	0.045	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.61	*	0.45	mg/Kg	8270D
Di-n-butyl phthalate		0.030	J	0.45	mg/Kg	8270D
Fluoranthene		0.12	J	0.45	mg/Kg	8270D
Fluorene		0.055	J	0.45	mg/Kg	8270D
Phenanthrene		0.17	J	0.45	mg/Kg	8270D
Pyrene		0.14	J	0.45	mg/Kg	8270D
Aluminum		9980		25.2	mg/Kg	6020A
Arsenic		2.2		1.3	mg/Kg	6020A
Barium		66.2		2.5	mg/Kg	6020A
Beryllium		0.41	J	0.50	mg/Kg	6020A
Calcium		9160		126	mg/Kg	6020A
Chromium		19.1		2.5	mg/Kg	6020A
Cobalt		5.5		2.5	mg/Kg	6020A
Copper		11.4		2.5	mg/Kg	6020A
Iron		10100		75.5	mg/Kg	6020A
Lead		11.2		0.76	mg/Kg	6020A
Magnesium		2470		126	mg/Kg	6020A
Manganese		99.2		5.0	mg/Kg	6020A
Nickel		12.7		2.5	mg/Kg	6020A
Potassium		1080		126	mg/Kg	6020A
Sodium		301		126	mg/Kg	6020A
Vanadium		19.9		2.5	mg/Kg	6020A
Zinc		48.4		10.1	mg/Kg	6020A
Percent Moisture		26.5		1.0	%	Moisture
Percent Solids		73.5		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-12</b>	<b>W108-SB-1(0-2)</b>					
Acetone		0.0098	B	0.0060	mg/Kg	8260C
2-Methylnaphthalene		0.020	J	0.43	mg/Kg	8270D
Benzo[a]anthracene		0.064		0.043	mg/Kg	8270D
Benzo[a]pyrene		0.060		0.043	mg/Kg	8270D
Benzo[b]fluoranthene		0.069		0.043	mg/Kg	8270D
Benzo[g,h,i]perylene		0.050	J	0.43	mg/Kg	8270D
Benzo[k]fluoranthene		0.025	J	0.043	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.099	J *	0.43	mg/Kg	8270D
Chrysene		0.073	J	0.43	mg/Kg	8270D
Di-n-butyl phthalate		0.017	J	0.43	mg/Kg	8270D
Fluoranthene		0.095	J	0.43	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.047		0.043	mg/Kg	8270D
Isophorone		0.055	J	0.17	mg/Kg	8270D
Phenanthrene		0.058	J	0.43	mg/Kg	8270D
Pyrene		0.13	J	0.43	mg/Kg	8270D
4,4'-DDD		0.0044	J	0.0087	mg/Kg	8081B
Aluminum		10600		22.9	mg/Kg	6020A
Antimony		0.52	J	1.1	mg/Kg	6020A
Arsenic		13.1		1.1	mg/Kg	6020A
Barium		141		2.3	mg/Kg	6020A
Beryllium		0.53		0.46	mg/Kg	6020A
Calcium		32200		114	mg/Kg	6020A
Chromium		21.3		2.3	mg/Kg	6020A
Cobalt		6.9		2.3	mg/Kg	6020A
Copper		28.3		2.3	mg/Kg	6020A
Iron		13100		68.6	mg/Kg	6020A
Lead		345		0.69	mg/Kg	6020A
Magnesium		4400		114	mg/Kg	6020A
Manganese		332		4.6	mg/Kg	6020A
Nickel		23.0		2.3	mg/Kg	6020A
Potassium		2050		114	mg/Kg	6020A
Selenium		0.88	J	5.7	mg/Kg	6020A
Sodium		186		114	mg/Kg	6020A
Thallium		0.19	J	0.46	mg/Kg	6020A
Vanadium		29.8		2.3	mg/Kg	6020A
Zinc		125		9.1	mg/Kg	6020A
Mercury		0.11		0.020	mg/Kg	7471B
Percent Moisture		23.2		1.0	%	Moisture
Percent Solids		76.8		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116858-13</b>	<b>W108-SB-1(5-7)</b>					
1,2-Dichlorobenzene		0.0015		0.0013	mg/Kg	8260C
1,4-Dichlorobenzene		0.00076	J	0.0013	mg/Kg	8260C
Acetone		0.022	B	0.0065	mg/Kg	8260C
Carbon disulfide		0.0044		0.0013	mg/Kg	8260C
Isopropylbenzene		0.00065	J	0.0013	mg/Kg	8260C
m&p-Xylene		0.0011	J	0.0013	mg/Kg	8260C
Methylcyclohexane		0.0021		0.0013	mg/Kg	8260C
o-Xylene		0.00094	J	0.0013	mg/Kg	8260C
Toluene		0.00035	J	0.0013	mg/Kg	8260C
Xylenes, Total		0.0020	J	0.0026	mg/Kg	8260C
Anthracene		0.095	J	0.42	mg/Kg	8270D
Benzo[a]anthracene		0.23		0.042	mg/Kg	8270D
Benzo[a]pyrene		0.20		0.042	mg/Kg	8270D
Benzo[b]fluoranthene		0.23		0.042	mg/Kg	8270D
Benzo[g,h,i]perylene		0.12	J	0.42	mg/Kg	8270D
Benzo[k]fluoranthene		0.095		0.042	mg/Kg	8270D
Chrysene		0.36	J	0.42	mg/Kg	8270D
Dibenz(a,h)anthracene		0.038	J	0.042	mg/Kg	8270D
Fluoranthene		0.43		0.42	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.12		0.042	mg/Kg	8270D
Isophorone		0.0099	J	0.17	mg/Kg	8270D
Phenanthrene		0.24	J	0.42	mg/Kg	8270D
Pyrene		0.48		0.42	mg/Kg	8270D
4,4'-DDD		0.0033	J	0.0086	mg/Kg	8081B
Aluminum		12900		23.0	mg/Kg	6020A
Arsenic		18.5		1.1	mg/Kg	6020A
Barium		144		2.3	mg/Kg	6020A
Beryllium		0.36	J	0.46	mg/Kg	6020A
Calcium		3850		115	mg/Kg	6020A
Chromium		35.3		2.3	mg/Kg	6020A
Cobalt		8.6		2.3	mg/Kg	6020A
Copper		29.6		2.3	mg/Kg	6020A
Iron		18400		68.9	mg/Kg	6020A
Lead		307		0.69	mg/Kg	6020A
Magnesium		5440		115	mg/Kg	6020A
Manganese		268		4.6	mg/Kg	6020A
Nickel		27.1		2.3	mg/Kg	6020A
Potassium		4190		115	mg/Kg	6020A
Selenium		0.75	J	5.7	mg/Kg	6020A
Sodium		121		115	mg/Kg	6020A
Thallium		0.24	J	0.46	mg/Kg	6020A
Vanadium		34.3		2.3	mg/Kg	6020A
Zinc		126		9.2	mg/Kg	6020A
Mercury		0.14		0.022	mg/Kg	7471B
Percent Moisture		22.3		1.0	%	Moisture
Percent Solids		77.7		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116922-1</b>	<b>W108-SB-7 (0-2)</b>					
Acetone		0.015		0.011	mg/Kg	8260C
Bis(2-ethylhexyl) phthalate		0.28	J	1.9	mg/Kg	8270D
Fluoranthene		0.069	J	1.9	mg/Kg	8270D
Isophorone		6.1		0.78	mg/Kg	8270D
Naphthalene		0.077	J	1.9	mg/Kg	8270D
Phenanthrene		0.056	J	1.9	mg/Kg	8270D
Aluminum		10000		23.0	mg/Kg	6020A
Arsenic		1.9		1.1	mg/Kg	6020A
Barium		103		2.3	mg/Kg	6020A
Beryllium		0.53		0.46	mg/Kg	6020A
Calcium		48700		115	mg/Kg	6020A
Chromium		19.7		2.3	mg/Kg	6020A
Cobalt		6.7		2.3	mg/Kg	6020A
Copper		24.3		2.3	mg/Kg	6020A
Iron		11300		69.0	mg/Kg	6020A
Lead		18.0		0.69	mg/Kg	6020A
Magnesium		5420		115	mg/Kg	6020A
Manganese		307		4.6	mg/Kg	6020A
Nickel		16.2		2.3	mg/Kg	6020A
Potassium		2460		115	mg/Kg	6020A
Sodium		398		115	mg/Kg	6020A
Vanadium		22.1		2.3	mg/Kg	6020A
Zinc		39.5		9.2	mg/Kg	6020A
Mercury		0.084		0.019	mg/Kg	7471B
Percent Moisture		14.7		1.0	%	Moisture
Percent Solids		85.3		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116922-2</b>	<b>W108-SB-9 (0-2)</b>					
Benzene		0.00037	J	0.0012	mg/Kg	8260C
Methylene Chloride		0.00096	J	0.0012	mg/Kg	8260C
2-Methylnaphthalene		0.017	J	0.40	mg/Kg	8270D
Benzo[b]fluoranthene		0.017	J	0.040	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.24	J	0.40	mg/Kg	8270D
Chrysene		0.017	J	0.40	mg/Kg	8270D
Di-n-butyl phthalate		0.042	J	0.40	mg/Kg	8270D
Fluoranthene		0.020	J	0.40	mg/Kg	8270D
Naphthalene		0.031	J	0.40	mg/Kg	8270D
Phenanthrene		0.030	J	0.40	mg/Kg	8270D
Pyrene		0.023	J	0.40	mg/Kg	8270D
Aluminum		15800		22.0	mg/Kg	6020A
Arsenic		2.0		1.1	mg/Kg	6020A
Barium		111		2.2	mg/Kg	6020A
Beryllium		0.34	J	0.44	mg/Kg	6020A
Calcium		19900		110	mg/Kg	6020A
Chromium		25.4		2.2	mg/Kg	6020A
Cobalt		18.9		2.2	mg/Kg	6020A
Copper		13.2		2.2	mg/Kg	6020A
Iron		27700		66.1	mg/Kg	6020A
Lead		58.8		0.66	mg/Kg	6020A
Magnesium		9160		110	mg/Kg	6020A
Manganese		477		4.4	mg/Kg	6020A
Nickel		36.2		2.2	mg/Kg	6020A
Potassium		7560		110	mg/Kg	6020A
Sodium		269		110	mg/Kg	6020A
Thallium		0.36	J	0.44	mg/Kg	6020A
Vanadium		36.3		2.2	mg/Kg	6020A
Zinc		103		8.8	mg/Kg	6020A
Mercury		0.014	J	0.020	mg/Kg	7471B
Percent Moisture		16.8		1.0	%	Moisture
Percent Solids		83.2		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116922-3</b>	<b>W108-SB-8 (0-2)</b>					
Acetone		0.011		0.0060	mg/Kg	8260C
Carbon disulfide		0.0016		0.0012	mg/Kg	8260C
Bis(2-ethylhexyl) phthalate		0.067	J	0.37	mg/Kg	8270D
Di-n-butyl phthalate		0.043	J	0.37	mg/Kg	8270D
Di-n-octyl phthalate		0.022	J	0.37	mg/Kg	8270D
Isophorone		0.031	J	0.15	mg/Kg	8270D
Aluminum		10100		19.7	mg/Kg	6020A
Arsenic		1.5		0.98	mg/Kg	6020A
Barium		61.8		2.0	mg/Kg	6020A
Beryllium		0.44		0.39	mg/Kg	6020A
Calcium		9620		98.4	mg/Kg	6020A
Chromium		24.3		2.0	mg/Kg	6020A
Cobalt		7.9		2.0	mg/Kg	6020A
Copper		33.8		2.0	mg/Kg	6020A
Iron		16100		59.1	mg/Kg	6020A
Lead		8.3		0.59	mg/Kg	6020A
Magnesium		4490		98.4	mg/Kg	6020A
Manganese		219		3.9	mg/Kg	6020A
Nickel		17.9		2.0	mg/Kg	6020A
Potassium		2560		98.4	mg/Kg	6020A
Sodium		254		98.4	mg/Kg	6020A
Thallium		0.17	J	0.39	mg/Kg	6020A
Vanadium		31.9		2.0	mg/Kg	6020A
Zinc		39.0		7.9	mg/Kg	6020A
Mercury		0.016	J	0.017	mg/Kg	7471B
Percent Moisture		11.7		1.0	%	Moisture
Percent Solids		88.3		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116922-4</b>	<b>W108-SB-10 (0-2)</b>					
2-Methylnaphthalene		0.013	J	0.39	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.026	J	0.39	mg/Kg	8270D
Chrysene		0.017	J	0.39	mg/Kg	8270D
Di-n-butyl phthalate		0.023	J	0.39	mg/Kg	8270D
Fluoranthene		0.059	J	0.39	mg/Kg	8270D
Isophorone		1.2		0.16	mg/Kg	8270D
Naphthalene		0.029	J	0.39	mg/Kg	8270D
Phenanthrene		0.060	J	0.39	mg/Kg	8270D
Pyrene		0.059	J	0.39	mg/Kg	8270D
Aluminum		17100		23.2	mg/Kg	6020A
Arsenic		1.9		1.2	mg/Kg	6020A
Barium		144		2.3	mg/Kg	6020A
Beryllium		0.42	J	0.46	mg/Kg	6020A
Calcium		18200		116	mg/Kg	6020A
Chromium		30.1		2.3	mg/Kg	6020A
Cobalt		19.8		2.3	mg/Kg	6020A
Copper		17.6		2.3	mg/Kg	6020A
Iron		32300		69.5	mg/Kg	6020A
Lead		28.1		0.69	mg/Kg	6020A
Magnesium		9870		116	mg/Kg	6020A
Manganese		407		4.6	mg/Kg	6020A
Nickel		38.7		2.3	mg/Kg	6020A
Potassium		6620		116	mg/Kg	6020A
Sodium		382		116	mg/Kg	6020A
Thallium		0.31	J	0.46	mg/Kg	6020A
Vanadium		36.8		2.3	mg/Kg	6020A
Zinc		121		9.3	mg/Kg	6020A
Mercury		0.049		0.019	mg/Kg	7471B
Percent Moisture		15.3		1.0	%	Moisture
Percent Solids		84.7		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116922-5</b>	<b>W108-SB-6 (0-2)</b>					
Benzo[a]pyrene		0.016	J	0.038	mg/Kg	8270D
Benzo[b]fluoranthene		0.028	J	0.038	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.026	J	0.38	mg/Kg	8270D
Butyl benzyl phthalate		0.42		0.38	mg/Kg	8270D
Chrysene		0.023	J	0.38	mg/Kg	8270D
Di-n-butyl phthalate		0.043	J	0.38	mg/Kg	8270D
Fluoranthene		0.030	J	0.38	mg/Kg	8270D
Phenanthrene		0.020	J	0.38	mg/Kg	8270D
Pyrene		0.035	J	0.38	mg/Kg	8270D
Aluminum		8880		21.8	mg/Kg	6020A
Arsenic		2.6		1.1	mg/Kg	6020A
Barium		49.4		2.2	mg/Kg	6020A
Beryllium		0.36	J	0.44	mg/Kg	6020A
Calcium		45500		109	mg/Kg	6020A
Chromium		11.3		2.2	mg/Kg	6020A
Cobalt		6.3		2.2	mg/Kg	6020A
Copper		11.0		2.2	mg/Kg	6020A
Iron		11900		65.4	mg/Kg	6020A
Lead		49.3		0.65	mg/Kg	6020A
Magnesium		23200		109	mg/Kg	6020A
Manganese		264		4.4	mg/Kg	6020A
Nickel		10.2		2.2	mg/Kg	6020A
Potassium		866		109	mg/Kg	6020A
Sodium		96.6	J	109	mg/Kg	6020A
Vanadium		15.9		2.2	mg/Kg	6020A
Zinc		28.0		8.7	mg/Kg	6020A
Mercury		0.11		0.019	mg/Kg	7471B
Percent Moisture		12.6		1.0	%	Moisture
Percent Solids		87.4		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-1</b>	<b>W108-SB-13(0-2)</b>					
Acetone		0.015		0.0055	mg/Kg	8260C
Benzene		0.00053	J	0.0011	mg/Kg	8260C
Carbon disulfide		0.00055	J	0.0011	mg/Kg	8260C
Methylene Chloride		0.00092	J B	0.0011	mg/Kg	8260C
2-Methylnaphthalene		0.032	J	0.40	mg/Kg	8270D
Benzo[a]pyrene		0.013	J	0.040	mg/Kg	8270D
Benzo[b]fluoranthene		0.031	J	0.040	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.11	J	0.40	mg/Kg	8270D
Butyl benzyl phthalate		0.013	J	0.40	mg/Kg	8270D
Chrysene		0.054	J	0.40	mg/Kg	8270D
Di-n-butyl phthalate		0.020	J	0.40	mg/Kg	8270D
Fluoranthene		0.045	J	0.40	mg/Kg	8270D
Naphthalene		0.075	J	0.40	mg/Kg	8270D
Phenanthrene		0.058	J	0.40	mg/Kg	8270D
Pyrene		0.039	J	0.40	mg/Kg	8270D
Aluminum		281		0.49	mg/Kg	6020A
Arsenic		0.11		0.025	mg/Kg	6020A
Barium		3.1		0.049	mg/Kg	6020A
Beryllium		0.017		0.0098	mg/Kg	6020A
Calcium		1050		2.5	mg/Kg	6020A
Chromium		0.48		0.049	mg/Kg	6020A
Cobalt		0.18		0.049	mg/Kg	6020A
Copper		0.70		0.049	mg/Kg	6020A
Iron		429		1.5	mg/Kg	6020A
Lead		1.1		0.015	mg/Kg	6020A
Magnesium		98.1		2.5	mg/Kg	6020A
Manganese		5.9		0.098	mg/Kg	6020A
Nickel		0.48		0.049	mg/Kg	6020A
Potassium		74.5		2.5	mg/Kg	6020A
Selenium		0.015	J	0.12	mg/Kg	6020A
Sodium		15.2		2.5	mg/Kg	6020A
Thallium		0.0059	J	0.0098	mg/Kg	6020A
Vanadium		0.79		0.049	mg/Kg	6020A
Zinc		1.6		0.20	mg/Kg	6020A
Mercury		0.045		0.021	mg/Kg	7471B
Percent Moisture		18.5		1.0	%	Moisture
Percent Solids		81.5		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-2</b>	<b>W108-SB-14(0-2)</b>					
1,2-Dichloroethane		0.0013		0.0012	mg/Kg	8260C
Acetone		0.021		0.0059	mg/Kg	8260C
Benzene		0.0027		0.0012	mg/Kg	8260C
Carbon disulfide		0.00063	J	0.0012	mg/Kg	8260C
Ethylbenzene		0.00087	J	0.0012	mg/Kg	8260C
m&p-Xylene		0.0036		0.0012	mg/Kg	8260C
Methylene Chloride		0.0011	J B	0.0012	mg/Kg	8260C
o-Xylene		0.00081	J	0.0012	mg/Kg	8260C
Toluene		0.0058		0.0012	mg/Kg	8260C
Xylenes, Total		0.0044		0.0023	mg/Kg	8260C
Benzo[b]fluoranthene		0.016	J	0.040	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.050	J	0.40	mg/Kg	8270D
Chrysene		0.017	J	0.40	mg/Kg	8270D
Fluoranthene		0.024	J	0.40	mg/Kg	8270D
Phenanthrene		0.017	J	0.40	mg/Kg	8270D
Pyrene		0.021	J	0.40	mg/Kg	8270D
Aluminum		489		0.49	mg/Kg	6020A
Arsenic		0.40		0.024	mg/Kg	6020A
Barium		5.6		0.049	mg/Kg	6020A
Beryllium		0.021		0.0097	mg/Kg	6020A
Calcium		501		2.4	mg/Kg	6020A
Chromium		1.5		0.049	mg/Kg	6020A
Cobalt		0.39		0.049	mg/Kg	6020A
Copper		1.3		0.049	mg/Kg	6020A
Iron		753		1.5	mg/Kg	6020A
Lead		3.6		0.015	mg/Kg	6020A
Magnesium		266		2.4	mg/Kg	6020A
Manganese		9.9		0.097	mg/Kg	6020A
Nickel		1.1		0.049	mg/Kg	6020A
Potassium		180		2.4	mg/Kg	6020A
Selenium		0.063	J	0.12	mg/Kg	6020A
Sodium		13.6		2.4	mg/Kg	6020A
Thallium		0.021		0.0097	mg/Kg	6020A
Vanadium		1.5		0.049	mg/Kg	6020A
Zinc		3.1		0.19	mg/Kg	6020A
Mercury		0.17		0.018	mg/Kg	7471B
Percent Moisture		17.5		1.0	%	Moisture
Percent Solids		82.5		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-3</b>	<b>W108-SB-Y</b>					
Acetone		0.011		0.0059	mg/Kg	8260C
Carbon disulfide		0.00070	J	0.0012	mg/Kg	8260C
Isopropylbenzene		0.00050	J	0.0012	mg/Kg	8260C
m&p-Xylene		0.00034	J	0.0012	mg/Kg	8260C
Methylene Chloride		0.00075	J B	0.0012	mg/Kg	8260C
o-Xylene		0.00020	J	0.0012	mg/Kg	8260C
Toluene		0.00043	J	0.0012	mg/Kg	8260C
Xylenes, Total		0.00054	J	0.0024	mg/Kg	8260C
Acenaphthene		0.18	J	0.36	mg/Kg	8270D
Acenaphthylene		0.099	J	0.36	mg/Kg	8270D
Anthracene		0.11	J	0.36	mg/Kg	8270D
Benzo[g,h,i]perylene		0.037	J	0.36	mg/Kg	8270D
Chrysene		0.013	J	0.36	mg/Kg	8270D
Dibenzofuran		0.19	J	0.36	mg/Kg	8270D
Fluoranthene		0.036	J	0.36	mg/Kg	8270D
Fluorene		0.48		0.36	mg/Kg	8270D
Phenanthrene		0.96		0.36	mg/Kg	8270D
Pyrene		0.10	J	0.36	mg/Kg	8270D
Aluminum		304		0.44	mg/Kg	6020A
Arsenic		0.027		0.022	mg/Kg	6020A
Barium		3.6		0.044	mg/Kg	6020A
Beryllium		0.011		0.0088	mg/Kg	6020A
Calcium		41.8		2.2	mg/Kg	6020A
Chromium		0.51		0.044	mg/Kg	6020A
Cobalt		0.24		0.044	mg/Kg	6020A
Copper		0.79		0.044	mg/Kg	6020A
Iron		489		1.3	mg/Kg	6020A
Lead		0.98		0.013	mg/Kg	6020A
Magnesium		93.1		2.2	mg/Kg	6020A
Manganese		4.9		0.088	mg/Kg	6020A
Nickel		0.38		0.044	mg/Kg	6020A
Potassium		122		2.2	mg/Kg	6020A
Sodium		3.6		2.2	mg/Kg	6020A
Thallium		0.0057	J	0.0088	mg/Kg	6020A
Vanadium		0.78		0.044	mg/Kg	6020A
Zinc		1.2		0.18	mg/Kg	6020A
Mercury		0.033		0.018	mg/Kg	7471B
Percent Moisture		9.6		1.0	%	Moisture
Percent Solids		90.4		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-4</b>	<b>W108-SB-12C(0-2)</b>					
Methylene Chloride		0.00097	J B	0.0019	mg/Kg	8260C
2-Methylnaphthalene		0.026	J	0.37	mg/Kg	8270D
Acenaphthene		0.017	J	0.37	mg/Kg	8270D
Anthracene		0.037	J	0.37	mg/Kg	8270D
Benzo[a]anthracene		0.10		0.037	mg/Kg	8270D
Benzo[a]pyrene		0.069		0.037	mg/Kg	8270D
Benzo[b]fluoranthene		0.10		0.037	mg/Kg	8270D
Benzo[g,h,i]perylene		0.042	J	0.37	mg/Kg	8270D
Benzo[k]fluoranthene		0.041		0.037	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.51		0.37	mg/Kg	8270D
Carbazole		0.019	J	0.37	mg/Kg	8270D
Chrysene		0.10	J	0.37	mg/Kg	8270D
Dibenzofuran		0.017	J	0.37	mg/Kg	8270D
Fluoranthene		0.23	J	0.37	mg/Kg	8270D
Fluorene		0.018	J	0.37	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.047		0.037	mg/Kg	8270D
Isophorone		0.16		0.15	mg/Kg	8270D
Naphthalene		0.025	J	0.37	mg/Kg	8270D
Phenanthrene		0.25	J	0.37	mg/Kg	8270D
Pyrene		0.20	J	0.37	mg/Kg	8270D
Aluminum		205		0.45	mg/Kg	6020A
Arsenic		0.087		0.023	mg/Kg	6020A
Barium		3.1		0.045	mg/Kg	6020A
Beryllium		0.0093		0.0090	mg/Kg	6020A
Calcium		945		2.3	mg/Kg	6020A
Chromium		0.36		0.045	mg/Kg	6020A
Cobalt		0.16		0.045	mg/Kg	6020A
Copper		0.71		0.045	mg/Kg	6020A
Iron		338		1.4	mg/Kg	6020A
Lead		3.0		0.014	mg/Kg	6020A
Magnesium		106		2.3	mg/Kg	6020A
Manganese		4.1		0.090	mg/Kg	6020A
Nickel		0.33		0.045	mg/Kg	6020A
Potassium		100		2.3	mg/Kg	6020A
Selenium		0.012	J	0.11	mg/Kg	6020A
Sodium		43.0		2.3	mg/Kg	6020A
Thallium		0.0049	J	0.0090	mg/Kg	6020A
Vanadium		0.74		0.045	mg/Kg	6020A
Zinc		1.4		0.18	mg/Kg	6020A
Mercury		0.32		0.018	mg/Kg	7471B
Percent Moisture		11.4		1.0	%	Moisture
Percent Solids		88.6		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-5</b>	<b>W108-SB-12B(0-2)</b>					
Methylene Chloride		0.0012	J B	0.0013	mg/Kg	8260C
2-Methylnaphthalene		0.011	J	0.37	mg/Kg	8270D
Benzo[a]pyrene		0.011	J	0.037	mg/Kg	8270D
Benzo[g,h,i]perylene		0.22	J	0.37	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.23	J	0.37	mg/Kg	8270D
Chrysene		0.015	J	0.37	mg/Kg	8270D
Fluoranthene		0.014	J	0.37	mg/Kg	8270D
Pyrene		0.017	J	0.37	mg/Kg	8270D
Aluminum		188		0.45	mg/Kg	6020A
Antimony		0.012	J	0.023	mg/Kg	6020A
Arsenic		0.085		0.023	mg/Kg	6020A
Barium		2.4		0.045	mg/Kg	6020A
Beryllium		0.0055	J	0.0091	mg/Kg	6020A
Cadmium		0.021	J	0.023	mg/Kg	6020A
Calcium		904		2.3	mg/Kg	6020A
Chromium		0.35		0.045	mg/Kg	6020A
Cobalt		0.15		0.045	mg/Kg	6020A
Copper		0.85		0.045	mg/Kg	6020A
Iron		282		1.4	mg/Kg	6020A
Lead		25.2		0.014	mg/Kg	6020A
Magnesium		94.8		2.3	mg/Kg	6020A
Manganese		4.2		0.091	mg/Kg	6020A
Nickel		0.34		0.045	mg/Kg	6020A
Potassium		48.4		2.3	mg/Kg	6020A
Selenium		0.010	J	0.11	mg/Kg	6020A
Sodium		10.5		2.3	mg/Kg	6020A
Vanadium		0.57		0.045	mg/Kg	6020A
Zinc		6.1		0.18	mg/Kg	6020A
Mercury		0.21		0.019	mg/Kg	7471B
Percent Moisture		11.8		1.0	%	Moisture
Percent Solids		88.2		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-6</b>	<b>W108-SB-11(0-2)</b>					
Acetone		0.012		0.011	mg/Kg	8260C
Methylene Chloride		0.0051	B	0.0022	mg/Kg	8260C
Benzo[a]anthracene		0.052		0.036	mg/Kg	8270D
Benzo[a]pyrene		0.034	J	0.036	mg/Kg	8270D
Benzo[b]fluoranthene		0.050		0.036	mg/Kg	8270D
Benzo[g,h,i]perylene		0.024	J	0.36	mg/Kg	8270D
Benzo[k]fluoranthene		0.021	J	0.036	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.32	J	0.36	mg/Kg	8270D
Chrysene		0.064	J	0.36	mg/Kg	8270D
Fluoranthene		0.094	J	0.36	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.025	J	0.036	mg/Kg	8270D
Isophorone		0.18		0.15	mg/Kg	8270D
Phenanthrene		0.063	J	0.36	mg/Kg	8270D
Pyrene		0.092	J	0.36	mg/Kg	8270D
Aluminum		401		0.44	mg/Kg	6020A
Arsenic		0.051		0.022	mg/Kg	6020A
Barium		6.2		0.044	mg/Kg	6020A
Beryllium		0.0097		0.0088	mg/Kg	6020A
Calcium		430		2.2	mg/Kg	6020A
Chromium		0.59		0.044	mg/Kg	6020A
Cobalt		0.37		0.044	mg/Kg	6020A
Copper		1.4		0.044	mg/Kg	6020A
Iron		726		1.3	mg/Kg	6020A
Lead		0.48		0.013	mg/Kg	6020A
Magnesium		245		2.2	mg/Kg	6020A
Manganese		8.1		0.088	mg/Kg	6020A
Nickel		0.47		0.044	mg/Kg	6020A
Potassium		269		2.2	mg/Kg	6020A
Selenium		0.012	J	0.11	mg/Kg	6020A
Sodium		29.6		2.2	mg/Kg	6020A
Thallium		0.011		0.0088	mg/Kg	6020A
Vanadium		1.8		0.044	mg/Kg	6020A
Zinc		1.7		0.18	mg/Kg	6020A
Mercury		0.15		0.019	mg/Kg	7471B
Percent Moisture		9.5		1.0	%	Moisture
Percent Solids		90.5		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-7</b>	<b>W108-SB-12B(2-4)</b>					
Acetone		0.026		0.0062	mg/Kg	8260C
Isopropylbenzene		0.0035		0.0012	mg/Kg	8260C
Methylcyclohexane		0.0038		0.0012	mg/Kg	8260C
Methylene Chloride		0.0045	B	0.0012	mg/Kg	8260C
o-Xylene		0.00083	J	0.0012	mg/Kg	8260C
Xylenes, Total		0.00083	J	0.0025	mg/Kg	8260C
Acenaphthene		0.43		0.37	mg/Kg	8270D
Acenaphthylene		0.21	J	0.37	mg/Kg	8270D
Anthracene		0.28	J	0.37	mg/Kg	8270D
Benzo[a]pyrene		0.017	J	0.037	mg/Kg	8270D
Benzo[g,h,i]perylene		0.072	J	0.37	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.28	J	0.37	mg/Kg	8270D
Chrysene		0.044	J	0.37	mg/Kg	8270D
Dibenzofuran		0.39		0.37	mg/Kg	8270D
Fluorene		0.93		0.37	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.024	J	0.037	mg/Kg	8270D
Naphthalene		0.017	J	0.37	mg/Kg	8270D
Phenanthrene		2.5		0.37	mg/Kg	8270D
Aluminum		274		0.45	mg/Kg	6020A
Arsenic		0.029		0.022	mg/Kg	6020A
Barium		3.0		0.045	mg/Kg	6020A
Beryllium		0.0095		0.0089	mg/Kg	6020A
Calcium		71.4		2.2	mg/Kg	6020A
Chromium		0.48		0.045	mg/Kg	6020A
Cobalt		0.21		0.045	mg/Kg	6020A
Copper		0.75		0.045	mg/Kg	6020A
Iron		376		1.3	mg/Kg	6020A
Lead		2.2		0.013	mg/Kg	6020A
Magnesium		82.4		2.2	mg/Kg	6020A
Manganese		4.2		0.089	mg/Kg	6020A
Nickel		0.37		0.045	mg/Kg	6020A
Potassium		103		2.2	mg/Kg	6020A
Sodium		5.4		2.2	mg/Kg	6020A
Thallium		0.0049	J	0.0089	mg/Kg	6020A
Vanadium		0.68		0.045	mg/Kg	6020A
Zinc		1.5		0.18	mg/Kg	6020A
Mercury		0.032		0.019	mg/Kg	7471B
Percent Moisture		10.3		1.0	%	Moisture
Percent Solids		89.7		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-116807-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>460-116994-8</b>	<b>W108-SB-15(0-2)</b>					
Acetone		0.0088	F1	0.0060	mg/Kg	8260C
Carbon disulfide		0.0012		0.0012	mg/Kg	8260C
Methylene Chloride		0.0012	B	0.0012	mg/Kg	8260C
Toluene		0.00054	J	0.0012	mg/Kg	8260C
Benzo[a]pyrene		0.013	J	0.039	mg/Kg	8270D
Bis(2-ethylhexyl) phthalate		0.17	J	0.39	mg/Kg	8270D
Chrysene		0.013	J	0.39	mg/Kg	8270D
Fluoranthene		0.020	J	0.39	mg/Kg	8270D
Phenanthrene		0.019	J	0.39	mg/Kg	8270D
Pyrene		0.019	J	0.39	mg/Kg	8270D
Aluminum		264		0.47	mg/Kg	6020A
Arsenic		0.059	F1	0.024	mg/Kg	6020A
Barium		3.4		0.047	mg/Kg	6020A
Beryllium		0.0087	J F1	0.0094	mg/Kg	6020A
Calcium		242		2.4	mg/Kg	6020A
Chromium		0.56	F1	0.047	mg/Kg	6020A
Cobalt		0.17	F1	0.047	mg/Kg	6020A
Copper		0.31	F1	0.047	mg/Kg	6020A
Iron		343		1.4	mg/Kg	6020A
Lead		0.40	F1	0.014	mg/Kg	6020A
Magnesium		109		2.4	mg/Kg	6020A
Manganese		4.4	F1	0.094	mg/Kg	6020A
Nickel		0.42	F1	0.047	mg/Kg	6020A
Potassium		89.9	F1	2.4	mg/Kg	6020A
Sodium		10.7		2.4	mg/Kg	6020A
Thallium		0.0052	J F1	0.0094	mg/Kg	6020A
Vanadium		0.71	F1	0.047	mg/Kg	6020A
Zinc		0.89	F1	0.19	mg/Kg	6020A
Mercury		0.061	F1	0.018	mg/Kg	7471B
Percent Moisture		15.1		1.0	%	Moisture
Percent Solids		84.9		1.0	%	Moisture
<b>460-116994-10FB</b>	<b>FB20160714</b>					
Methylene Chloride		1.3		1.0	ug/L	8260C
Acetophenone		2.3	J	10	ug/L	8270D

## METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-116807-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Solid</b>			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Microwave Extraction	TAL EDI		SW846 3546
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP/MS)	TAL EDI	SW846 6020A	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Percent Moisture	TAL EDI	EPA Moisture	
<b>Matrix: Water</b>			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP/MS)	TAL EDI	SW846 6020A	
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Chromium, Hexavalent	TAL EDI	SW846 7196A	

### Lab References:

TAL EDI = TestAmerica Edison

### Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-116807-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8260C	Boykin, Kenneth	KLB
SW846 8260C	Martinez, Eddie	EMM
SW846 8260C	Starzec, Margaret	MZS
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Manlangit, Ferdie	FAM
SW846 8270D	Nimer, Diaa	DAN
SW846 8270D	Szczech, Anna	AAS
SW846 8081B	Dalangin, Catalina	CDC
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Dalangin, Catalina	CDC
SW846 8082A	Patel, Jignesh	JHP
SW846 6020A	Dave, Virendra	VAD
SW846 6020A	Patel, Purva H	PHP
SW846 7470A	Sheikh, Razia B	RBS
SW846 7471B	Staib, Thomas	TJS
SW846 7196A	Kamenetskaya, Raisa	RAK
SW846 7196A	Leye, Mamadou	MAL
SW846 7196A	Pierre, Philippe X	PXP
EPA Moisture	Villadarez, Gerson Timothy S	GTSV
EPA Moisture	Wisnewski, Kelly R	KRW

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378611	Lab File ID: D23904.D
Dilution: 1.0		Initial Weight/Volume: 4.52 g
Analysis Date: 07/16/2016 0813		Final Weight/Volume: 5 mL
Prep Date: 07/12/2016 1200		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00049	U	0.00049	0.0013
1,1,2,2-Tetrachloroethane		0.00022	U	0.00022	0.0013
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00057	U	0.00057	0.0013
1,1,2-Trichloroethane		0.00036	U	0.00036	0.0013
1,1-Dichloroethane		0.00044	U	0.00044	0.0013
1,1-Dichloroethene		0.00053	U	0.00053	0.0013
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0013
1,2,4-Trichlorobenzene		0.00042	U	0.00042	0.0013
1,2-Dibromo-3-Chloropropane		0.00061	U	0.00061	0.0013
1,2-Dichlorobenzene		0.00018	U	0.00018	0.0013
1,2-Dichloroethane		0.00014	U	0.00014	0.0013
1,2-Dichloropropane		0.00022	U	0.00022	0.0013
1,3-Dichlorobenzene		0.00016	U	0.00016	0.0013
1,4-Dichlorobenzene		0.00017	U	0.00017	0.0013
1,4-Dioxane		0.0083	U	0.0083	0.026
2-Butanone (MEK)		0.0010	U	0.0010	0.0065
2-Hexanone		0.0012	U	0.0012	0.0065
4-Methyl-2-pentanone (MIBK)		0.0029	U	0.0029	0.0065
Acetone		0.0014	U	0.0014	0.0065
Benzene		0.00026	U	0.00026	0.0013
Bromodichloromethane		0.00049	U	0.00049	0.0013
Bromoform		0.00017	U	0.00017	0.0013
Bromomethane		0.00042	U	0.00042	0.0013
Carbon disulfide		0.00056	U	0.00056	0.0013
Carbon tetrachloride		0.00056	U	0.00056	0.0013
Chlorobenzene		0.00018	U	0.00018	0.0013
Chlorobromomethane		0.00022	U	0.00022	0.0013
Chloroethane		0.00046	U	0.00046	0.0013
Chloroform		0.00027	U	0.00027	0.0013
Chloromethane		0.00049	U	0.00049	0.0013
cis-1,2-Dichloroethene		0.00029	U	0.00029	0.0013
cis-1,3-Dichloropropene		0.00020	U	0.00020	0.0013
Cyclohexane		0.00060	U	0.00060	0.0013
Dibromochloromethane		0.00020	U	0.00020	0.0013
Dichlorodifluoromethane		0.00042	U *	0.00042	0.0013
Ethylbenzene		0.00023	U	0.00023	0.0013
Ethylene Dibromide		0.00016	U	0.00016	0.0013
Isopropylbenzene		0.00022	U	0.00022	0.0013
m&p-Xylene		0.00014	U	0.00014	0.0013
Methyl acetate		0.0012	U	0.0012	0.0065
Methyl tert-butyl ether		0.00022	U	0.00022	0.0013
Methylcyclohexane		0.00065	U	0.00065	0.0013
Methylene Chloride		0.00067	J B	0.00042	0.0013
o-Xylene		0.00021	U	0.00021	0.0013
Styrene		0.00020	U	0.00020	0.0013
Tetrachloroethene		0.00036	U	0.00036	0.0013

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C      Analysis Batch: 460-379412      Instrument ID: CVOAMS4  
Prep Method: 5035      Prep Batch: 460-378611      Lab File ID: D23904.D  
Dilution: 1.0      Initial Weight/Volume: 4.52 g  
Analysis Date: 07/16/2016 0813      Final Weight/Volume: 5 mL  
Prep Date: 07/12/2016 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00025	U	0.00025	0.0013
trans-1,2-Dichloroethene		0.00051	U	0.00051	0.0013
trans-1,3-Dichloropropene		0.00013	U	0.00013	0.0013
Trichloroethene		0.00034	U	0.00034	0.0013
Trichlorofluoromethane		0.00044	U *	0.00044	0.0013
Vinyl chloride		0.00051	U	0.00051	0.0013
Xylenes, Total		0.00014	U	0.00014	0.0026

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		78 - 135
4-Bromofluorobenzene	99		67 - 126
Dibromofluoromethane (Surr)	101		61 - 149
Toluene-d8 (Surr)	100		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23853.D
Dilution: 1.0		Initial Weight/Volume: 4.52 g
Analysis Date: 07/15/2016 0409		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0714		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00047	U	0.00047	0.0012
1,1,2,2-Tetrachloroethane		0.00021	U	0.00021	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00054	U	0.00054	0.0012
1,1,2-Trichloroethane		0.00035	U	0.00035	0.0012
1,1-Dichloroethane		0.00042	U	0.00042	0.0012
1,1-Dichloroethene		0.00051	U	0.00051	0.0012
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0012
1,2,4-Trichlorobenzene		0.00040	U	0.00040	0.0012
1,2-Dibromo-3-Chloropropane		0.00058	U	0.00058	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00014	U	0.00014	0.0012
1,2-Dichloropropane		0.00021	U	0.00021	0.0012
1,3-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dichlorobenzene		0.00016	U	0.00016	0.0012
1,4-Dioxane		0.0079	U	0.0079	0.025
2-Butanone (MEK)		0.00095	U	0.00095	0.0062
2-Hexanone		0.0012	U	0.0012	0.0062
4-Methyl-2-pentanone (MIBK)		0.0027	U	0.0027	0.0062
Acetone		0.0013	U	0.0013	0.0062
Benzene		0.00025	U	0.00025	0.0012
Bromodichloromethane		0.00047	U	0.00047	0.0012
Bromoform		0.00016	U	0.00016	0.0012
Bromomethane		0.00040	U	0.00040	0.0012
Carbon disulfide		0.00053	U	0.00053	0.0012
Carbon tetrachloride		0.00053	U	0.00053	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00021	U	0.00021	0.0012
Chloroethane		0.00043	U	0.00043	0.0012
Chloroform		0.00026	U	0.00026	0.0012
Chloromethane		0.00047	U	0.00047	0.0012
cis-1,2-Dichloroethene		0.00027	U	0.00027	0.0012
cis-1,3-Dichloropropene		0.00019	U	0.00019	0.0012
Cyclohexane		0.00057	U	0.00057	0.0012
Dibromochloromethane		0.00019	U	0.00019	0.0012
Dichlorodifluoromethane		0.00040	U *	0.00040	0.0012
Ethylbenzene		0.00022	U	0.00022	0.0012
Ethylene Dibromide		0.00015	U	0.00015	0.0012
Isopropylbenzene		0.00021	U	0.00021	0.0012
m&p-Xylene		0.00014	U	0.00014	0.0012
Methyl acetate		0.0011	U	0.0011	0.0062
Methyl tert-butyl ether		0.00021	U	0.00021	0.0012
Methylcyclohexane		0.00062	U	0.00062	0.0012
Methylene Chloride		0.00040	U	0.00040	0.0012
o-Xylene		0.00020	U	0.00020	0.0012
Styrene		0.00019	U	0.00019	0.0012
Tetrachloroethene		0.00035	U	0.00035	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23853.D
Dilution: 1.0		Initial Weight/Volume: 4.52 g
Analysis Date: 07/15/2016 0409		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0714		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00024	U	0.00024	0.0012
trans-1,2-Dichloroethene		0.00048	U	0.00048	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00032	U	0.00032	0.0012
Trichlorofluoromethane		0.00042	U *	0.00042	0.0012
Vinyl chloride		0.00048	U	0.00048	0.0012
Xylenes, Total		0.00014	U	0.00014	0.0025

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		78 - 135
4-Bromofluorobenzene	95		67 - 126
Dibromofluoromethane (Surr)	94		61 - 149
Toluene-d8 (Surr)	96		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23852.D
Dilution: 1.0		Initial Weight/Volume: 5.28 g
Analysis Date: 07/15/2016 0345		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0715		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00042	U	0.00042	0.0011
1,1,2,2-Tetrachloroethane		0.00019	U	0.00019	0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00049	U	0.00049	0.0011
1,1,2-Trichloroethane		0.00031	U	0.00031	0.0011
1,1-Dichloroethane		0.00038	U	0.00038	0.0011
1,1-Dichloroethene		0.00046	U	0.00046	0.0011
1,2,3-Trichlorobenzene		0.00012	U	0.00012	0.0011
1,2,4-Trichlorobenzene		0.00036	U	0.00036	0.0011
1,2-Dibromo-3-Chloropropane		0.00052	U	0.00052	0.0011
1,2-Dichlorobenzene		0.00016	U	0.00016	0.0011
1,2-Dichloroethane		0.00012	U	0.00012	0.0011
1,2-Dichloropropane		0.00019	U	0.00019	0.0011
1,3-Dichlorobenzene		0.00013	U	0.00013	0.0011
1,4-Dichlorobenzene		0.00014	U	0.00014	0.0011
1,4-Dioxane		0.0071	U	0.0071	0.022
2-Butanone (MEK)		0.00086	U	0.00086	0.0056
2-Hexanone		0.0010	U	0.0010	0.0056
4-Methyl-2-pentanone (MIBK)		0.0025	U	0.0025	0.0056
Acetone		0.0012	U	0.0012	0.0056
Benzene		0.00022	U	0.00022	0.0011
Bromodichloromethane		0.00042	U	0.00042	0.0011
Bromoform		0.00014	U	0.00014	0.0011
Bromomethane		0.00036	U	0.00036	0.0011
Carbon disulfide		0.00048	U	0.00048	0.0011
Carbon tetrachloride		0.00048	U	0.00048	0.0011
Chlorobenzene		0.00016	U	0.00016	0.0011
Chlorobromomethane		0.00019	U	0.00019	0.0011
Chloroethane		0.00039	U	0.00039	0.0011
Chloroform		0.00023	U	0.00023	0.0011
Chloromethane		0.00042	U	0.00042	0.0011
cis-1,2-Dichloroethene		0.00024	U	0.00024	0.0011
cis-1,3-Dichloropropene		0.00017	U	0.00017	0.0011
Cyclohexane		0.00051	U	0.00051	0.0011
Dibromochloromethane		0.00017	U	0.00017	0.0011
Dichlorodifluoromethane		0.00036	U *	0.00036	0.0011
Ethylbenzene		0.00020	U	0.00020	0.0011
Ethylene Dibromide		0.00013	U	0.00013	0.0011
Isopropylbenzene		0.00019	U	0.00019	0.0011
m&p-Xylene		0.00012	U	0.00012	0.0011
Methyl acetate		0.0010	U	0.0010	0.0056
Methyl tert-butyl ether		0.00019	U	0.00019	0.0011
Methylcyclohexane		0.00056	U	0.00056	0.0011
Methylene Chloride		0.00036	U	0.00036	0.0011
o-Xylene		0.00018	U	0.00018	0.0011
Styrene		0.00017	U	0.00017	0.0011
Tetrachloroethene		0.00031	U	0.00031	0.0011

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C                      Analysis Batch: 460-379152                      Instrument ID: CVOAMS4  
Prep Method: 5035                              Prep Batch: 460-378784                      Lab File ID: D23852.D  
Dilution: 1.0    Initial Weight/Volume: 5.28 g  
Analysis Date: 07/15/2016 0345                      Final Weight/Volume: 5 mL  
Prep Date: 07/13/2016 0715

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00021	U	0.00021	0.0011
trans-1,2-Dichloroethene		0.00043	U	0.00043	0.0011
trans-1,3-Dichloropropene		0.00011	U	0.00011	0.0011
Trichloroethene		0.00029	U	0.00029	0.0011
Trichlorofluoromethane		0.00038	U *	0.00038	0.0011
Vinyl chloride		0.00043	U	0.00043	0.0011
Xylenes, Total		0.00012	U	0.00012	0.0022

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		78 - 135
4-Bromofluorobenzene	91		67 - 126
Dibromofluoromethane (Surr)	91		61 - 149
Toluene-d8 (Surr)	92		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: TB20160712**

Lab Sample ID: 460-116858-4TB

Date Sampled: 07/12/2016 0000

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57334.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1242		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1242		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U *	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.45	J	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: TB20160712**

Lab Sample ID: 460-116858-4TB

Date Sampled: 07/12/2016 0000

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57334.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1242		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1242		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 137
4-Bromofluorobenzene	92		70 - 131
Dibromofluoromethane (Surr)	103		72 - 136
Toluene-d8 (Surr)	103		74 - 120

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57320.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0516		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 0516		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	15		2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	21		1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U *	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57320.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0516		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 0516		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 137
4-Bromofluorobenzene	80		70 - 131
Dibromofluoromethane (Surr)	104		72 - 136
Toluene-d8 (Surr)	105		74 - 120

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Prep Method: 5035	Prep Batch: 460-378794	Lab File ID: B02823.D
Dilution: 50		Initial Weight/Volume: 3.32 g
Analysis Date: 07/14/2016 2305		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 0729		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.048	U	0.048	0.17
1,1,2,2-Tetrachloroethane		0.033	U	0.033	0.17
1,1,2-Trichloro-1,2,2-trifluoroethane		0.058	U	0.058	0.17
1,1,2-Trichloroethane		0.014	U	0.014	0.17
1,1-Dichloroethane		0.041	U	0.041	0.17
1,1-Dichloroethene		0.058	U	0.058	0.17
1,2,3-Trichlorobenzene		0.060	U	0.060	0.17
1,2,4-Trichlorobenzene		0.046	U	0.046	0.17
1,2-Dibromo-3-Chloropropane		0.039	U	0.039	0.17
1,2-Dichlorobenzene		0.038	U	0.038	0.17
1,2-Dichloroethane		0.043	U	0.043	0.17
1,2-Dichloropropane		0.031	U	0.031	0.17
1,3-Dichlorobenzene		0.056	U	0.056	0.17
1,4-Dichlorobenzene		0.056	U	0.056	0.17
1,4-Dioxane		1.5	U	1.5	4.3
2-Butanone (MEK)		0.38	U	0.38	0.86
2-Hexanone		0.12	U	0.12	0.86
4-Methyl-2-pentanone (MIBK)		0.11	U	0.11	0.86
Acetone		0.18	U	0.18	0.86
Benzene		0.13	J	0.033	0.17
Bromodichloromethane		0.026	U	0.026	0.17
Bromoform		0.031	U *	0.031	0.17
Bromomethane		0.031	U	0.031	0.17
Carbon disulfide		0.038	U *	0.038	0.17
Carbon tetrachloride		0.056	U *	0.056	0.17
Chlorobenzene		0.041	U	0.041	0.17
Chlorobromomethane		0.051	U	0.051	0.17
Chloroethane		0.063	U	0.063	0.17
Chloroform		0.038	U	0.038	0.17
Chloromethane		0.038	U	0.038	0.17
cis-1,2-Dichloroethene		0.044	U	0.044	0.17
cis-1,3-Dichloropropene		0.027	U	0.027	0.17
Cyclohexane		0.044	U	0.044	0.17
Dibromochloromethane		0.038	U *	0.038	0.17
Dichlorodifluoromethane		0.024	U	0.024	0.17
Ethylbenzene		0.061	J	0.051	0.17
Ethylene Dibromide		0.033	U	0.033	0.17
Isopropylbenzene		0.055	U	0.055	0.17
m&p-Xylene		0.41		0.048	0.17
Methyl acetate		0.099	U	0.099	0.86
Methyl tert-butyl ether		0.022	U	0.022	0.17
Methylcyclohexane		0.038	U	0.038	0.17
Methylene Chloride		0.036	U	0.036	0.17
o-Xylene		0.20		0.055	0.17
Styrene		0.029	U	0.029	0.17
Tetrachloroethene		0.062	U	0.062	0.17

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C                      Analysis Batch: 460-379053                      Instrument ID: CVOAMS2  
Prep Method: 5035                              Prep Batch: 460-378794                      Lab File ID: B02823.D  
Dilution: 50    Initial Weight/Volume: 3.32 g  
Analysis Date: 07/14/2016 2305                      Final Weight/Volume: 10 mL  
Prep Date: 07/13/2016 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		1.5		0.043	0.17
trans-1,2-Dichloroethene		0.031	U	0.031	0.17
trans-1,3-Dichloropropene		0.033	U	0.033	0.17
Trichloroethene		0.038	U	0.038	0.17
Trichlorofluoromethane		0.026	U	0.026	0.17
Vinyl chloride		0.034	U	0.034	0.17
Xylenes, Total		0.61		0.048	0.34

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		69 - 145
4-Bromofluorobenzene	96		64 - 131
Dibromofluoromethane (Surr)	94		74 - 134
Toluene-d8 (Surr)	101		72 - 136

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23854.D
Dilution: 1.0		Initial Weight/Volume: 4.68 g
Analysis Date: 07/15/2016 0434		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0717		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00048	U	0.00048	0.0013
1,1,2,2-Tetrachloroethane		0.00021	U	0.00021	0.0013
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00055	U	0.00055	0.0013
1,1,2-Trichloroethane		0.00035	U	0.00035	0.0013
1,1-Dichloroethane		0.00043	U	0.00043	0.0013
1,1-Dichloroethene		0.00051	U	0.00051	0.0013
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0013
1,2,4-Trichlorobenzene		0.00040	U	0.00040	0.0013
1,2-Dibromo-3-Chloropropane		0.00059	U	0.00059	0.0013
1,2-Dichlorobenzene		0.00018	U	0.00018	0.0013
1,2-Dichloroethane		0.00014	U	0.00014	0.0013
1,2-Dichloropropane		0.00021	U	0.00021	0.0013
1,3-Dichlorobenzene		0.00015	U	0.00015	0.0013
1,4-Dichlorobenzene		0.00016	U	0.00016	0.0013
1,4-Dioxane		0.0080	U	0.0080	0.025
2-Butanone (MEK)		0.00096	U	0.00096	0.0063
2-Hexanone		0.0012	U	0.0012	0.0063
4-Methyl-2-pentanone (MIBK)		0.0028	U	0.0028	0.0063
Acetone		0.040	B	0.0013	0.0063
Benzene		0.00086	J	0.00025	0.0013
Bromodichloromethane		0.00048	U	0.00048	0.0013
Bromoform		0.00016	U	0.00016	0.0013
Bromomethane		0.00040	U	0.00040	0.0013
Carbon disulfide		0.0018		0.00054	0.0013
Carbon tetrachloride		0.00054	U	0.00054	0.0013
Chlorobenzene		0.00018	U	0.00018	0.0013
Chlorobromomethane		0.00021	U	0.00021	0.0013
Chloroethane		0.00044	U	0.00044	0.0013
Chloroform		0.00026	U	0.00026	0.0013
Chloromethane		0.00048	U	0.00048	0.0013
cis-1,2-Dichloroethene		0.00028	U	0.00028	0.0013
cis-1,3-Dichloropropene		0.00019	U	0.00019	0.0013
Cyclohexane		0.00058	U	0.00058	0.0013
Dibromochloromethane		0.00019	U	0.00019	0.0013
Dichlorodifluoromethane		0.00040	U *	0.00040	0.0013
Ethylbenzene		0.00088	J	0.00023	0.0013
Ethylene Dibromide		0.00015	U	0.00015	0.0013
Isopropylbenzene		0.015		0.00021	0.0013
m&p-Xylene		0.0035		0.00014	0.0013
Methyl acetate		0.0011	U	0.0011	0.0063
Methyl tert-butyl ether		0.00021	U	0.00021	0.0013
Methylcyclohexane		0.00063	U	0.00063	0.0013
Methylene Chloride		0.00040	U	0.00040	0.0013
o-Xylene		0.00089	J	0.00020	0.0013
Styrene		0.00019	U	0.00019	0.0013
Tetrachloroethene		0.00035	U	0.00035	0.0013

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C      Analysis Batch: 460-379152      Instrument ID: CVOAMS4  
Prep Method: 5035      Prep Batch: 460-378784      Lab File ID: D23854.D  
Dilution: 1.0      Initial Weight/Volume: 4.68 g  
Analysis Date: 07/15/2016 0434      Final Weight/Volume: 5 mL  
Prep Date: 07/13/2016 0717

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.0027		0.00024	0.0013
trans-1,2-Dichloroethene		0.00049	U	0.00049	0.0013
trans-1,3-Dichloropropene		0.00013	U	0.00013	0.0013
Trichloroethene		0.00033	U	0.00033	0.0013
Trichlorofluoromethane		0.00043	U *	0.00043	0.0013
Vinyl chloride		0.00049	U	0.00049	0.0013
Xylenes, Total		0.0044		0.00014	0.0025

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	131		78 - 135
4-Bromofluorobenzene	92		67 - 126
Dibromofluoromethane (Surr)	96		61 - 149
Toluene-d8 (Surr)	103		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Prep Method: 5035	Prep Batch: 460-378794	Lab File ID: B02837.D
Dilution: 50		Initial Weight/Volume: 5.00 g
Analysis Date: 07/15/2016 0459		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 0730		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.032	U	0.032	0.11
1,1,2,2-Tetrachloroethane		0.022	U	0.022	0.11
1,1,2-Trichloro-1,2,2-trifluoroethane		0.039	U	0.039	0.11
1,1,2-Trichloroethane		0.0091	U	0.0091	0.11
1,1-Dichloroethane		0.027	U	0.027	0.11
1,1-Dichloroethene		0.039	U	0.039	0.11
1,2,3-Trichlorobenzene		0.040	U	0.040	0.11
1,2,4-Trichlorobenzene		0.031	U	0.031	0.11
1,2-Dibromo-3-Chloropropane		0.026	U	0.026	0.11
1,2-Dichlorobenzene		0.025	U	0.025	0.11
1,2-Dichloroethane		0.028	U	0.028	0.11
1,2-Dichloropropane		0.020	U	0.020	0.11
1,3-Dichlorobenzene		0.038	U	0.038	0.11
1,4-Dichlorobenzene		0.038	U	0.038	0.11
1,4-Dioxane		0.99	U	0.99	2.8
2-Butanone (MEK)		0.25	U	0.25	0.57
2-Hexanone		0.082	U	0.082	0.57
4-Methyl-2-pentanone (MIBK)		0.072	U	0.072	0.57
Acetone		0.12	U	0.12	0.57
Benzene		0.022	U	0.022	0.11
Bromodichloromethane		0.017	U	0.017	0.11
Bromoform		0.020	U *	0.020	0.11
Bromomethane		0.020	U	0.020	0.11
Carbon disulfide		0.025	U	0.025	0.11
Carbon tetrachloride		0.038	U	0.038	0.11
Chlorobenzene		0.027	U	0.027	0.11
Chlorobromomethane		0.034	U	0.034	0.11
Chloroethane		0.042	U	0.042	0.11
Chloroform		0.025	U	0.025	0.11
Chloromethane		0.025	U	0.025	0.11
cis-1,2-Dichloroethene		0.030	U	0.030	0.11
cis-1,3-Dichloropropene		0.018	U	0.018	0.11
Cyclohexane		0.030	U	0.030	0.11
Dibromochloromethane		0.025	U *	0.025	0.11
Dichlorodifluoromethane		0.016	U	0.016	0.11
Ethylbenzene		0.12		0.034	0.11
Ethylene Dibromide		0.022	U	0.022	0.11
Isopropylbenzene		0.34		0.036	0.11
m&p-Xylene		0.35		0.032	0.11
Methyl acetate		0.066	U	0.066	0.57
Methyl tert-butyl ether		0.015	U	0.015	0.11
Methylcyclohexane		0.025	U	0.025	0.11
Methylene Chloride		0.024	U	0.024	0.11
o-Xylene		0.061	J	0.036	0.11
Styrene		0.019	U	0.019	0.11
Tetrachloroethene		0.041	U	0.041	0.11

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Prep Method: 5035	Prep Batch: 460-378794	Lab File ID: B02837.D
Dilution: 50		Initial Weight/Volume: 5.00 g
Analysis Date: 07/15/2016 0459		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 0730		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.18		0.028	0.11
trans-1,2-Dichloroethene		0.020	U	0.020	0.11
trans-1,3-Dichloropropene		0.022	U	0.022	0.11
Trichloroethene		0.025	U	0.025	0.11
Trichlorofluoromethane		0.017	U	0.017	0.11
Vinyl chloride		0.023	U	0.023	0.11
Xylenes, Total		0.41		0.032	0.23

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		69 - 145
4-Bromofluorobenzene	98		64 - 131
Dibromofluoromethane (Surr)	96		74 - 134
Toluene-d8 (Surr)	99		72 - 136

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23818.D
Dilution: 1.0		Initial Weight/Volume: 2.84 g
Analysis Date: 07/14/2016 1142		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0719		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00080	U	0.00080	0.0021
1,1,2,2-Tetrachloroethane		0.00036	U F1	0.00036	0.0021
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00093	U F1	0.00093	0.0021
1,1,2-Trichloroethane		0.00059	U F1	0.00059	0.0021
1,1-Dichloroethane		0.00072	U	0.00072	0.0021
1,1-Dichloroethene		0.00087	U F1	0.00087	0.0021
1,2,3-Trichlorobenzene		0.00023	U F1	0.00023	0.0021
1,2,4-Trichlorobenzene		0.00068	U F1 F2	0.00068	0.0021
1,2-Dibromo-3-Chloropropane		0.0010	U F1	0.0010	0.0021
1,2-Dichlorobenzene		0.00030	U F1	0.00030	0.0021
1,2-Dichloroethane		0.00023	U	0.00023	0.0021
1,2-Dichloropropane		0.00036	U	0.00036	0.0021
1,3-Dichlorobenzene		0.00025	U F1	0.00025	0.0021
1,4-Dichlorobenzene		0.00028	U F1	0.00028	0.0021
1,4-Dioxane		0.014	U	0.014	0.042
2-Butanone (MEK)		0.0016	U	0.0016	0.011
2-Hexanone		0.0020	U	0.0020	0.011
4-Methyl-2-pentanone (MIBK)		0.0047	U	0.0047	0.011
Acetone		0.014	B	0.0022	0.011
Benzene		0.00042	U	0.00042	0.0021
Bromodichloromethane		0.00080	U F1	0.00080	0.0021
Bromoform		0.00028	U	0.00028	0.0021
Bromomethane		0.00068	U	0.00068	0.0021
Carbon disulfide		0.00091	U F1	0.00091	0.0021
Carbon tetrachloride		0.00091	U	0.00091	0.0021
Chlorobenzene		0.00030	U F1	0.00030	0.0021
Chlorobromomethane		0.00036	U F1	0.00036	0.0021
Chloroethane		0.00074	U *	0.00074	0.0021
Chloroform		0.00044	U	0.00044	0.0021
Chloromethane		0.00080	U F1	0.00080	0.0021
cis-1,2-Dichloroethene		0.00047	U F1	0.00047	0.0021
cis-1,3-Dichloropropene		0.00032	U F1	0.00032	0.0021
Cyclohexane		0.00097	U	0.00097	0.0021
Dibromochloromethane		0.00032	U	0.00032	0.0021
Dichlorodifluoromethane		0.00068	U *	0.00068	0.0021
Ethylbenzene		0.00038	U F1	0.00038	0.0021
Ethylene Dibromide		0.00025	U F1	0.00025	0.0021
Isopropylbenzene		0.00036	U F1	0.00036	0.0021
m&p-Xylene		0.00023	U F1	0.00023	0.0021
Methyl acetate		0.0019	U F1	0.0019	0.011
Methyl tert-butyl ether		0.00036	U	0.00036	0.0021
Methylcyclohexane		0.0011	U F1	0.0011	0.0021
Methylene Chloride		0.00068	U	0.00068	0.0021
o-Xylene		0.00034	U F1	0.00034	0.0021
Styrene		0.00032	U F1	0.00032	0.0021
Tetrachloroethene		0.00059	U	0.00059	0.0021



# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23819.D
Dilution: 1.0		Initial Weight/Volume: 5.61 g
Analysis Date: 07/14/2016 1206		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0720		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00043	U	0.00043	0.0011
1,1,2,2-Tetrachloroethane		0.00019	U	0.00019	0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00050	U	0.00050	0.0011
1,1,2-Trichloroethane		0.00032	U	0.00032	0.0011
1,1-Dichloroethane		0.00039	U	0.00039	0.0011
1,1-Dichloroethene		0.00046	U	0.00046	0.0011
1,2,3-Trichlorobenzene		0.00012	U	0.00012	0.0011
1,2,4-Trichlorobenzene		0.00036	U	0.00036	0.0011
1,2-Dibromo-3-Chloropropane		0.00053	U	0.00053	0.0011
1,2-Dichlorobenzene		0.00016	U	0.00016	0.0011
1,2-Dichloroethane		0.00012	U	0.00012	0.0011
1,2-Dichloropropane		0.00019	U	0.00019	0.0011
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0011
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0011
1,4-Dioxane		0.0072	U	0.0072	0.023
2-Butanone (MEK)		0.00087	U	0.00087	0.0057
2-Hexanone		0.0011	U	0.0011	0.0057
4-Methyl-2-pentanone (MIBK)		0.0025	U	0.0025	0.0057
Acetone		0.013	B	0.0012	0.0057
Benzene		0.00023	U	0.00023	0.0011
Bromodichloromethane		0.00043	U	0.00043	0.0011
Bromoform		0.00015	U	0.00015	0.0011
Bromomethane		0.00036	U	0.00036	0.0011
Carbon disulfide		0.00049	U	0.00049	0.0011
Carbon tetrachloride		0.00049	U	0.00049	0.0011
Chlorobenzene		0.00016	U	0.00016	0.0011
Chlorobromomethane		0.00019	U	0.00019	0.0011
Chloroethane		0.00040	U *	0.00040	0.0011
Chloroform		0.00024	U	0.00024	0.0011
Chloromethane		0.00043	U	0.00043	0.0011
cis-1,2-Dichloroethene		0.00025	U	0.00025	0.0011
cis-1,3-Dichloropropene		0.00017	U	0.00017	0.0011
Cyclohexane		0.0010	J	0.00052	0.0011
Dibromochloromethane		0.00017	U	0.00017	0.0011
Dichlorodifluoromethane		0.00036	U *	0.00036	0.0011
Ethylbenzene		0.00020	U	0.00020	0.0011
Ethylene Dibromide		0.00014	U	0.00014	0.0011
Isopropylbenzene		0.00054	J	0.00019	0.0011
m&p-Xylene		0.00059	J	0.00012	0.0011
Methyl acetate		0.0010	U	0.0010	0.0057
Methyl tert-butyl ether		0.00019	U	0.00019	0.0011
Methylcyclohexane		0.0042		0.00057	0.0011
Methylene Chloride		0.00036	U	0.00036	0.0011
o-Xylene		0.00018	U	0.00018	0.0011
Styrene		0.00017	U	0.00017	0.0011
Tetrachloroethene		0.00032	U	0.00032	0.0011

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C      Analysis Batch: 460-378974      Instrument ID: CVOAMS4  
Prep Method: 5035      Prep Batch: 460-378784      Lab File ID: D23819.D  
Dilution: 1.0      Initial Weight/Volume: 5.61 g  
Analysis Date: 07/14/2016 1206      Final Weight/Volume: 5 mL  
Prep Date: 07/13/2016 0720

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00075	J	0.00022	0.0011
trans-1,2-Dichloroethene		0.00044	U	0.00044	0.0011
trans-1,3-Dichloropropene		0.00011	U	0.00011	0.0011
Trichloroethene		0.00029	U	0.00029	0.0011
Trichlorofluoromethane		0.00039	U *	0.00039	0.0011
Vinyl chloride		0.00044	U	0.00044	0.0011
Xylenes, Total		0.00059	J	0.00012	0.0023

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		78 - 135
4-Bromofluorobenzene	99		67 - 126
Dibromofluoromethane (Surr)	98		61 - 149
Toluene-d8 (Surr)	99		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Prep Method: 5035	Prep Batch: 460-378794	Lab File ID: B02862.D
Dilution: 100		Initial Weight/Volume: 5.21 g
Analysis Date: 07/15/2016 1636		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 0731		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.073	U	0.073	0.26
1,1,2,2-Tetrachloroethane		0.050	U	0.050	0.26
1,1,2-Trichloro-1,2,2-trifluoroethane		0.089	U	0.089	0.26
1,1,2-Trichloroethane		0.021	U	0.021	0.26
1,1-Dichloroethane		0.063	U	0.063	0.26
1,1-Dichloroethene		0.089	U	0.089	0.26
1,2,3-Trichlorobenzene		0.091	U	0.091	0.26
1,2,4-Trichlorobenzene		0.070	U	0.070	0.26
1,2-Dibromo-3-Chloropropane		0.060	U	0.060	0.26
1,2-Dichlorobenzene		0.057	U	0.057	0.26
1,2-Dichloroethane		0.065	U	0.065	0.26
1,2-Dichloropropane		0.047	U	0.047	0.26
1,3-Dichlorobenzene		0.086	U *	0.086	0.26
1,4-Dichlorobenzene		0.086	U *	0.086	0.26
1,4-Dioxane		2.3	U	2.3	6.5
2-Butanone (MEK)		0.57	U	0.57	1.3
2-Hexanone		0.19	U	0.19	1.3
4-Methyl-2-pentanone (MIBK)		0.16	U	0.16	1.3
Acetone		0.28	U	0.28	1.3
Benzene		0.050	U	0.050	0.26
Bromodichloromethane		0.039	U	0.039	0.26
Bromoform		0.047	U *	0.047	0.26
Bromomethane		0.047	U	0.047	0.26
Carbon disulfide		0.057	U *	0.057	0.26
Carbon tetrachloride		0.086	U	0.086	0.26
Chlorobenzene		0.063	U *	0.063	0.26
Chlorobromomethane		0.078	U	0.078	0.26
Chloroethane		0.097	U	0.097	0.26
Chloroform		0.057	U	0.057	0.26
Chloromethane		0.057	U	0.057	0.26
cis-1,2-Dichloroethene		0.068	U	0.068	0.26
cis-1,3-Dichloropropene		0.042	U	0.042	0.26
Cyclohexane		12		0.068	0.26
Dibromochloromethane		0.057	U *	0.057	0.26
Dichlorodifluoromethane		0.037	U	0.037	0.26
Ethylbenzene		0.078	U	0.078	0.26
Ethylene Dibromide		0.050	U	0.050	0.26
Isopropylbenzene		1.8		0.084	0.26
m&p-Xylene		0.073	U	0.073	0.26
Methyl acetate		0.15	U	0.15	1.3
Methyl tert-butyl ether		0.034	U	0.034	0.26
Methylcyclohexane		69		0.057	0.26
Methylene Chloride		0.055	U	0.055	0.26
o-Xylene		0.084	U	0.084	0.26
Styrene		0.044	U	0.044	0.26
Tetrachloroethene		0.094	U	0.094	0.26

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Prep Method: 5035	Prep Batch: 460-378794	Lab File ID: B02862.D
Dilution: 100		Initial Weight/Volume: 5.21 g
Analysis Date: 07/15/2016 1636		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 0731		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.065	U	0.065	0.26
trans-1,2-Dichloroethene		0.047	U	0.047	0.26
trans-1,3-Dichloropropene		0.050	U	0.050	0.26
Trichloroethene		0.057	U	0.057	0.26
Trichlorofluoromethane		0.039	U	0.039	0.26
Vinyl chloride		0.052	U	0.052	0.26
Xylenes, Total		0.073	U	0.073	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		69 - 145
4-Bromofluorobenzene	95		64 - 131
Dibromofluoromethane (Surr)	93		74 - 134
Toluene-d8 (Surr)	102		72 - 136

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23820.D
Dilution: 1.0		Initial Weight/Volume: 5.47 g
Analysis Date: 07/14/2016 1231		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0722		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00045	U	0.00045	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00052	U	0.00052	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00040	U	0.00040	0.0012
1,1-Dichloroethene		0.00049	U	0.00049	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00038	U	0.00038	0.0012
1,2-Dibromo-3-Chloropropane		0.00056	U	0.00056	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0012
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dioxane		0.0076	U	0.0076	0.024
2-Butanone (MEK)		0.00092	U	0.00092	0.0060
2-Hexanone		0.0011	U	0.0011	0.0060
4-Methyl-2-pentanone (MIBK)		0.0026	U	0.0026	0.0060
Acetone		0.0098	B	0.0013	0.0060
Benzene		0.00024	U	0.00024	0.0012
Bromodichloromethane		0.00045	U	0.00045	0.0012
Bromoform		0.00015	U	0.00015	0.0012
Bromomethane		0.00038	U	0.00038	0.0012
Carbon disulfide		0.00051	U	0.00051	0.0012
Carbon tetrachloride		0.00051	U	0.00051	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00042	U *	0.00042	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00045	U	0.00045	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00055	U	0.00055	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00038	U *	0.00038	0.0012
Ethylbenzene		0.00021	U	0.00021	0.0012
Ethylene Dibromide		0.00014	U	0.00014	0.0012
Isopropylbenzene		0.00020	U	0.00020	0.0012
m&p-Xylene		0.00013	U	0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0060
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00060	U	0.00060	0.0012
Methylene Chloride		0.00038	U	0.00038	0.0012
o-Xylene		0.00019	U	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012



# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23855.D
Dilution: 1.0		Initial Weight/Volume: 4.96 g
Analysis Date: 07/15/2016 0458		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0723		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00049	U	0.00049	0.0013
1,1,2,2-Tetrachloroethane		0.00022	U	0.00022	0.0013
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00057	U	0.00057	0.0013
1,1,2-Trichloroethane		0.00036	U	0.00036	0.0013
1,1-Dichloroethane		0.00044	U	0.00044	0.0013
1,1-Dichloroethene		0.00053	U	0.00053	0.0013
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0013
1,2,4-Trichlorobenzene		0.00041	U	0.00041	0.0013
1,2-Dibromo-3-Chloropropane		0.00061	U	0.00061	0.0013
1,2-Dichlorobenzene		0.0015		0.00018	0.0013
1,2-Dichloroethane		0.00014	U	0.00014	0.0013
1,2-Dichloropropane		0.00022	U	0.00022	0.0013
1,3-Dichlorobenzene		0.00016	U	0.00016	0.0013
1,4-Dichlorobenzene		0.00076	J	0.00017	0.0013
1,4-Dioxane		0.0083	U	0.0083	0.026
2-Butanone (MEK)		0.0010	U	0.0010	0.0065
2-Hexanone		0.0012	U	0.0012	0.0065
4-Methyl-2-pentanone (MIBK)		0.0029	U	0.0029	0.0065
Acetone		0.022	B	0.0014	0.0065
Benzene		0.00026	U	0.00026	0.0013
Bromodichloromethane		0.00049	U	0.00049	0.0013
Bromoform		0.00017	U	0.00017	0.0013
Bromomethane		0.00041	U	0.00041	0.0013
Carbon disulfide		0.0044		0.00056	0.0013
Carbon tetrachloride		0.00056	U	0.00056	0.0013
Chlorobenzene		0.00018	U	0.00018	0.0013
Chlorobromomethane		0.00022	U	0.00022	0.0013
Chloroethane		0.00045	U	0.00045	0.0013
Chloroform		0.00027	U	0.00027	0.0013
Chloromethane		0.00049	U	0.00049	0.0013
cis-1,2-Dichloroethene		0.00029	U	0.00029	0.0013
cis-1,3-Dichloropropene		0.00019	U	0.00019	0.0013
Cyclohexane		0.00060	U	0.00060	0.0013
Dibromochloromethane		0.00019	U	0.00019	0.0013
Dichlorodifluoromethane		0.00041	U *	0.00041	0.0013
Ethylbenzene		0.00023	U	0.00023	0.0013
Ethylene Dibromide		0.00016	U	0.00016	0.0013
Isopropylbenzene		0.00065	J	0.00022	0.0013
m&p-Xylene		0.0011	J	0.00014	0.0013
Methyl acetate		0.0012	U	0.0012	0.0065
Methyl tert-butyl ether		0.00022	U	0.00022	0.0013
Methylcyclohexane		0.0021		0.00065	0.0013
Methylene Chloride		0.00041	U	0.00041	0.0013
o-Xylene		0.00094	J	0.00021	0.0013
Styrene		0.00019	U	0.00019	0.0013
Tetrachloroethene		0.00036	U	0.00036	0.0013

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-378784	Lab File ID: D23855.D
Dilution: 1.0		Initial Weight/Volume: 4.96 g
Analysis Date: 07/15/2016 0458		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0723		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00035	J	0.00025	0.0013
trans-1,2-Dichloroethene		0.00051	U	0.00051	0.0013
trans-1,3-Dichloropropene		0.00013	U	0.00013	0.0013
Trichloroethene		0.00034	U	0.00034	0.0013
Trichlorofluoromethane		0.00044	U *	0.00044	0.0013
Vinyl chloride		0.00051	U	0.00051	0.0013
Xylenes, Total		0.0020	J	0.00014	0.0026

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		78 - 135
4-Bromofluorobenzene	124		67 - 126
Dibromofluoromethane (Surr)	92		61 - 149
Toluene-d8 (Surr)	103		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55830.D
Dilution: 1.0		Initial Weight/Volume: 2.79 g
Analysis Date: 07/15/2016 0106		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2103		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00080	U	0.00080	0.0021
1,1,2,2-Tetrachloroethane		0.00036	U	0.00036	0.0021
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00092	U	0.00092	0.0021
1,1,2-Trichloroethane		0.00059	U	0.00059	0.0021
1,1-Dichloroethane		0.00071	U	0.00071	0.0021
1,1-Dichloroethene		0.00086	U	0.00086	0.0021
1,2,3-Trichlorobenzene		0.00023	U	0.00023	0.0021
1,2,4-Trichlorobenzene		0.00067	U	0.00067	0.0021
1,2-Dibromo-3-Chloropropane		0.00099	U	0.00099	0.0021
1,2-Dichlorobenzene		0.00029	U	0.00029	0.0021
1,2-Dichloroethane		0.00023	U	0.00023	0.0021
1,2-Dichloropropane		0.00036	U	0.00036	0.0021
1,3-Dichlorobenzene		0.00025	U	0.00025	0.0021
1,4-Dichlorobenzene		0.00027	U	0.00027	0.0021
1,4-Dioxane		0.013	U	0.013	0.042
2-Butanone (MEK)		0.0016	U	0.0016	0.011
2-Hexanone		0.0020	U	0.0020	0.011
4-Methyl-2-pentanone (MIBK)		0.0047	U	0.0047	0.011
Acetone		0.015		0.0022	0.011
Benzene		0.00042	U	0.00042	0.0021
Bromodichloromethane		0.00080	U	0.00080	0.0021
Bromoform		0.00027	U	0.00027	0.0021
Bromomethane		0.00067	U	0.00067	0.0021
Carbon disulfide		0.00090	U	0.00090	0.0021
Carbon tetrachloride		0.00090	U	0.00090	0.0021
Chlorobenzene		0.00029	U	0.00029	0.0021
Chlorobromomethane		0.00036	U	0.00036	0.0021
Chloroethane		0.00074	U	0.00074	0.0021
Chloroform		0.00044	U	0.00044	0.0021
Chloromethane		0.00080	U	0.00080	0.0021
cis-1,2-Dichloroethene		0.00046	U	0.00046	0.0021
cis-1,3-Dichloropropene		0.00032	U	0.00032	0.0021
Cyclohexane		0.00097	U	0.00097	0.0021
Dibromochloromethane		0.00032	U	0.00032	0.0021
Dichlorodifluoromethane		0.00067	U	0.00067	0.0021
Ethylbenzene		0.00038	U	0.00038	0.0021
Ethylene Dibromide		0.00025	U	0.00025	0.0021
Isopropylbenzene		0.00036	U	0.00036	0.0021
m&p-Xylene		0.00023	U	0.00023	0.0021
Methyl acetate		0.0019	U	0.0019	0.011
Methyl tert-butyl ether		0.00036	U	0.00036	0.0021
Methylcyclohexane		0.0011	U	0.0011	0.0021
Methylene Chloride		0.00067	U	0.00067	0.0021
o-Xylene		0.00034	U	0.00034	0.0021
Styrene		0.00032	U	0.00032	0.0021
Tetrachloroethene		0.00059	U	0.00059	0.0021

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55830.D
Dilution: 1.0		Initial Weight/Volume: 2.79 g
Analysis Date: 07/15/2016 0106		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2103		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00040	U	0.00040	0.0021
trans-1,2-Dichloroethene		0.00082	U	0.00082	0.0021
trans-1,3-Dichloropropene		0.00021	U	0.00021	0.0021
Trichloroethene		0.00055	U	0.00055	0.0021
Trichlorofluoromethane		0.00071	U	0.00071	0.0021
Vinyl chloride		0.00082	U	0.00082	0.0021
Xylenes, Total		0.00023	U	0.00023	0.0042

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		78 - 135
4-Bromofluorobenzene	97		67 - 126
Dibromofluoromethane (Surr)	72		61 - 149
Toluene-d8 (Surr)	99		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55831.D
Dilution: 1.0		Initial Weight/Volume: 5.11 g
Analysis Date: 07/15/2016 0133		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2104		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00045	U	0.00045	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00052	U	0.00052	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00040	U	0.00040	0.0012
1,1-Dichloroethene		0.00048	U	0.00048	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00038	U	0.00038	0.0012
1,2-Dibromo-3-Chloropropane		0.00055	U	0.00055	0.0012
1,2-Dichlorobenzene		0.00016	U	0.00016	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0012
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dioxane		0.0075	U	0.0075	0.024
2-Butanone (MEK)		0.00091	U	0.00091	0.0059
2-Hexanone		0.0011	U	0.0011	0.0059
4-Methyl-2-pentanone (MIBK)		0.0026	U	0.0026	0.0059
Acetone		0.0012	U	0.0012	0.0059
Benzene		0.00037	J	0.00024	0.0012
Bromodichloromethane		0.00045	U	0.00045	0.0012
Bromoform		0.00015	U	0.00015	0.0012
Bromomethane		0.00038	U	0.00038	0.0012
Carbon disulfide		0.00051	U	0.00051	0.0012
Carbon tetrachloride		0.00051	U	0.00051	0.0012
Chlorobenzene		0.00016	U	0.00016	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00041	U	0.00041	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00045	U	0.00045	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00054	U	0.00054	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00038	U	0.00038	0.0012
Ethylbenzene		0.00021	U	0.00021	0.0012
Ethylene Dibromide		0.00014	U	0.00014	0.0012
Isopropylbenzene		0.00020	U	0.00020	0.0012
m&p-Xylene		0.00013	U	0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0059
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00059	U	0.00059	0.0012
Methylene Chloride		0.00096	J	0.00038	0.0012
o-Xylene		0.00019	U	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55831.D
Dilution: 1.0		Initial Weight/Volume: 5.11 g
Analysis Date: 07/15/2016 0133		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2104		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00022	U	0.00022	0.0012
trans-1,2-Dichloroethene		0.00046	U	0.00046	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00031	U	0.00031	0.0012
Trichlorofluoromethane		0.00040	U	0.00040	0.0012
Vinyl chloride		0.00046	U	0.00046	0.0012
Xylenes, Total		0.00013	U	0.00013	0.0024

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		78 - 135
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	112		61 - 149
Toluene-d8 (Surr)	102		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55832.D
Dilution: 1.0		Initial Weight/Volume: 4.68 g
Analysis Date: 07/15/2016 0159		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2105		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00046	U	0.00046	0.0012
1,1,2,2-Tetrachloroethane		0.00021	U	0.00021	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00053	U	0.00053	0.0012
1,1,2-Trichloroethane		0.00034	U	0.00034	0.0012
1,1-Dichloroethane		0.00041	U	0.00041	0.0012
1,1-Dichloroethene		0.00050	U	0.00050	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00039	U	0.00039	0.0012
1,2-Dibromo-3-Chloropropane		0.00057	U	0.00057	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00021	U	0.00021	0.0012
1,3-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dichlorobenzene		0.00016	U	0.00016	0.0012
1,4-Dioxane		0.0077	U	0.0077	0.024
2-Butanone (MEK)		0.00093	U	0.00093	0.0060
2-Hexanone		0.0011	U	0.0011	0.0060
4-Methyl-2-pentanone (MIBK)		0.0027	U	0.0027	0.0060
Acetone		0.011		0.0013	0.0060
Benzene		0.00024	U	0.00024	0.0012
Bromodichloromethane		0.00046	U	0.00046	0.0012
Bromoform		0.00016	U	0.00016	0.0012
Bromomethane		0.00039	U	0.00039	0.0012
Carbon disulfide		0.0016		0.00052	0.0012
Carbon tetrachloride		0.00052	U	0.00052	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00021	U	0.00021	0.0012
Chloroethane		0.00042	U	0.00042	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00046	U	0.00046	0.0012
cis-1,2-Dichloroethene		0.00027	U	0.00027	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00056	U	0.00056	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00039	U	0.00039	0.0012
Ethylbenzene		0.00022	U	0.00022	0.0012
Ethylene Dibromide		0.00015	U	0.00015	0.0012
Isopropylbenzene		0.00021	U	0.00021	0.0012
m&p-Xylene		0.00013	U	0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0060
Methyl tert-butyl ether		0.00021	U	0.00021	0.0012
Methylcyclohexane		0.00060	U	0.00060	0.0012
Methylene Chloride		0.00039	U	0.00039	0.0012
o-Xylene		0.00019	U	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00034	U	0.00034	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55832.D
Dilution: 1.0		Initial Weight/Volume: 4.68 g
Analysis Date: 07/15/2016 0159		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2105		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00023	U	0.00023	0.0012
trans-1,2-Dichloroethene		0.00047	U	0.00047	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00031	U	0.00031	0.0012
Trichlorofluoromethane		0.00041	U	0.00041	0.0012
Vinyl chloride		0.00047	U	0.00047	0.0012
Xylenes, Total		0.00013	U	0.00013	0.0024

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		78 - 135
4-Bromofluorobenzene	105		67 - 126
Dibromofluoromethane (Surr)	113		61 - 149
Toluene-d8 (Surr)	104		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55833.D
Dilution: 1.0		Initial Weight/Volume: 4.99 g
Analysis Date: 07/15/2016 0225		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2106		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00045	U	0.00045	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00052	U	0.00052	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00040	U	0.00040	0.0012
1,1-Dichloroethene		0.00049	U	0.00049	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00038	U	0.00038	0.0012
1,2-Dibromo-3-Chloropropane		0.00056	U	0.00056	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0012
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dioxane		0.00076	U	0.00076	0.024
2-Butanone (MEK)		0.00091	U	0.00091	0.0059
2-Hexanone		0.0011	U	0.0011	0.0059
4-Methyl-2-pentanone (MIBK)		0.0026	U	0.0026	0.0059
Acetone		0.0013	U	0.0013	0.0059
Benzene		0.00024	U	0.00024	0.0012
Bromodichloromethane		0.00045	U	0.00045	0.0012
Bromoform		0.00015	U	0.00015	0.0012
Bromomethane		0.00038	U	0.00038	0.0012
Carbon disulfide		0.00051	U	0.00051	0.0012
Carbon tetrachloride		0.00051	U	0.00051	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00041	U	0.00041	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00045	U	0.00045	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00054	U	0.00054	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00038	U	0.00038	0.0012
Ethylbenzene		0.00021	U	0.00021	0.0012
Ethylene Dibromide		0.00014	U	0.00014	0.0012
Isopropylbenzene		0.00020	U	0.00020	0.0012
m&p-Xylene		0.00013	U	0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0059
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00059	U	0.00059	0.0012
Methylene Chloride		0.00038	U	0.00038	0.0012
o-Xylene		0.00019	U	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55833.D
Dilution: 1.0		Initial Weight/Volume: 4.99 g
Analysis Date: 07/15/2016 0225		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2106		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00022	U	0.00022	0.0012
trans-1,2-Dichloroethene		0.00046	U	0.00046	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00031	U	0.00031	0.0012
Trichlorofluoromethane		0.00040	U	0.00040	0.0012
Vinyl chloride		0.00046	U	0.00046	0.0012
Xylenes, Total		0.00013	U	0.00013	0.0024

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		78 - 135
4-Bromofluorobenzene	103		67 - 126
Dibromofluoromethane (Surr)	110		61 - 149
Toluene-d8 (Surr)	100		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55834.D
Dilution: 1.0		Initial Weight/Volume: 5.80 g
Analysis Date: 07/15/2016 0252		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2107		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00037	U	0.00037	0.00099
1,1,2,2-Tetrachloroethane		0.00017	U	0.00017	0.00099
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00043	U	0.00043	0.00099
1,1,2-Trichloroethane		0.00028	U	0.00028	0.00099
1,1-Dichloroethane		0.00034	U	0.00034	0.00099
1,1-Dichloroethene		0.00040	U	0.00040	0.00099
1,2,3-Trichlorobenzene		0.00011	U	0.00011	0.00099
1,2,4-Trichlorobenzene		0.00032	U	0.00032	0.00099
1,2-Dibromo-3-Chloropropane		0.00046	U	0.00046	0.00099
1,2-Dichlorobenzene		0.00014	U	0.00014	0.00099
1,2-Dichloroethane		0.00011	U	0.00011	0.00099
1,2-Dichloropropane		0.00017	U	0.00017	0.00099
1,3-Dichlorobenzene		0.00012	U	0.00012	0.00099
1,4-Dichlorobenzene		0.00013	U	0.00013	0.00099
1,4-Dioxane		0.0063	U	0.0063	0.020
2-Butanone (MEK)		0.00076	U	0.00076	0.0049
2-Hexanone		0.00093	U	0.00093	0.0049
4-Methyl-2-pentanone (MIBK)		0.0022	U	0.0022	0.0049
Acetone		0.0010	U	0.0010	0.0049
Benzene		0.00020	U	0.00020	0.00099
Bromodichloromethane		0.00037	U	0.00037	0.00099
Bromoform		0.00013	U	0.00013	0.00099
Bromomethane		0.00032	U	0.00032	0.00099
Carbon disulfide		0.00042	U	0.00042	0.00099
Carbon tetrachloride		0.00042	U	0.00042	0.00099
Chlorobenzene		0.00014	U	0.00014	0.00099
Chlorobromomethane		0.00017	U	0.00017	0.00099
Chloroethane		0.00035	U	0.00035	0.00099
Chloroform		0.00021	U	0.00021	0.00099
Chloromethane		0.00037	U	0.00037	0.00099
cis-1,2-Dichloroethene		0.00022	U	0.00022	0.00099
cis-1,3-Dichloropropene		0.00015	U	0.00015	0.00099
Cyclohexane		0.00045	U	0.00045	0.00099
Dibromochloromethane		0.00015	U	0.00015	0.00099
Dichlorodifluoromethane		0.00032	U	0.00032	0.00099
Ethylbenzene		0.00018	U	0.00018	0.00099
Ethylene Dibromide		0.00012	U	0.00012	0.00099
Isopropylbenzene		0.00017	U	0.00017	0.00099
m&p-Xylene		0.00011	U	0.00011	0.00099
Methyl acetate		0.00089	U	0.00089	0.0049
Methyl tert-butyl ether		0.00017	U	0.00017	0.00099
Methylcyclohexane		0.00049	U	0.00049	0.00099
Methylene Chloride		0.00032	U	0.00032	0.00099
o-Xylene		0.00016	U	0.00016	0.00099
Styrene		0.00015	U	0.00015	0.00099
Tetrachloroethene		0.00028	U	0.00028	0.00099

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Prep Method: 5035	Prep Batch: 460-378935	Lab File ID: K55834.D
Dilution: 1.0		Initial Weight/Volume: 5.80 g
Analysis Date: 07/15/2016 0252		Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2107		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00019	U	0.00019	0.00099
trans-1,2-Dichloroethene		0.00038	U	0.00038	0.00099
trans-1,3-Dichloropropene		0.000099	U	0.000099	0.00099
Trichloroethene		0.00026	U	0.00026	0.00099
Trichlorofluoromethane		0.00034	U	0.00034	0.00099
Vinyl chloride		0.00038	U	0.00038	0.00099
Xylenes, Total		0.00011	U	0.00011	0.0020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		78 - 135
4-Bromofluorobenzene	107		67 - 126
Dibromofluoromethane (Surr)	114		61 - 149
Toluene-d8 (Surr)	105		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23934.D
Dilution: 1.0		Initial Weight/Volume: 5.53 g
Analysis Date: 07/17/2016 1019		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0744		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00042	U	0.00042	0.0011
1,1,2,2-Tetrachloroethane		0.00019	U	0.00019	0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00049	U	0.00049	0.0011
1,1,2-Trichloroethane		0.00031	U	0.00031	0.0011
1,1-Dichloroethane		0.00038	U	0.00038	0.0011
1,1-Dichloroethene		0.00046	U	0.00046	0.0011
1,2,3-Trichlorobenzene		0.00012	U	0.00012	0.0011
1,2,4-Trichlorobenzene		0.00036	U	0.00036	0.0011
1,2-Dibromo-3-Chloropropane		0.00052	U	0.00052	0.0011
1,2-Dichlorobenzene		0.00016	U	0.00016	0.0011
1,2-Dichloroethane		0.00012	U	0.00012	0.0011
1,2-Dichloropropane		0.00019	U	0.00019	0.0011
1,3-Dichlorobenzene		0.00013	U	0.00013	0.0011
1,4-Dichlorobenzene		0.00014	U	0.00014	0.0011
1,4-Dioxane		0.0071	U	0.0071	0.022
2-Butanone (MEK)		0.00085	U	0.00085	0.0055
2-Hexanone		0.0010	U	0.0010	0.0055
4-Methyl-2-pentanone (MIBK)		0.0025	U	0.0025	0.0055
Acetone		0.015		0.0012	0.0055
Benzene		0.00053	J	0.00022	0.0011
Bromodichloromethane		0.00042	U	0.00042	0.0011
Bromoform		0.00014	U	0.00014	0.0011
Bromomethane		0.00036	U	0.00036	0.0011
Carbon disulfide		0.00055	J	0.00048	0.0011
Carbon tetrachloride		0.00048	U	0.00048	0.0011
Chlorobenzene		0.00016	U	0.00016	0.0011
Chlorobromomethane		0.00019	U	0.00019	0.0011
Chloroethane		0.00039	U	0.00039	0.0011
Chloroform		0.00023	U	0.00023	0.0011
Chloromethane		0.00042	U	0.00042	0.0011
cis-1,2-Dichloroethene		0.00024	U	0.00024	0.0011
cis-1,3-Dichloropropene		0.00017	U	0.00017	0.0011
Cyclohexane		0.00051	U	0.00051	0.0011
Dibromochloromethane		0.00017	U	0.00017	0.0011
Dichlorodifluoromethane		0.00036	U *	0.00036	0.0011
Ethylbenzene		0.00020	U	0.00020	0.0011
Ethylene Dibromide		0.00013	U	0.00013	0.0011
Isopropylbenzene		0.00019	U	0.00019	0.0011
m&p-Xylene		0.00012	U	0.00012	0.0011
Methyl acetate		0.0010	U	0.0010	0.0055
Methyl tert-butyl ether		0.00019	U	0.00019	0.0011
Methylcyclohexane		0.00055	U	0.00055	0.0011
Methylene Chloride		0.00092	J B	0.00036	0.0011
o-Xylene		0.00018	U	0.00018	0.0011
Styrene		0.00017	U	0.00017	0.0011
Tetrachloroethene		0.00031	U	0.00031	0.0011



# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23935.D
Dilution: 1.0		Initial Weight/Volume: 5.18 g
Analysis Date: 07/17/2016 1043		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0745		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00044	U	0.00044	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00052	U	0.00052	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00040	U	0.00040	0.0012
1,1-Dichloroethene		0.00048	U	0.00048	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00037	U	0.00037	0.0012
1,2-Dibromo-3-Chloropropane		0.00055	U	0.00055	0.0012
1,2-Dichlorobenzene		0.00016	U	0.00016	0.0012
1,2-Dichloroethane		0.0013		0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0012
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dioxane		0.0075	U	0.0075	0.023
2-Butanone (MEK)		0.00090	U	0.00090	0.0059
2-Hexanone		0.0011	U	0.0011	0.0059
4-Methyl-2-pentanone (MIBK)		0.0026	U	0.0026	0.0059
Acetone		0.021		0.0012	0.0059
Benzene		0.0027		0.00023	0.0012
Bromodichloromethane		0.00044	U	0.00044	0.0012
Bromoform		0.00015	U	0.00015	0.0012
Bromomethane		0.00037	U	0.00037	0.0012
Carbon disulfide		0.00063	J	0.00050	0.0012
Carbon tetrachloride		0.00050	U	0.00050	0.0012
Chlorobenzene		0.00016	U	0.00016	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00041	U	0.00041	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00044	U	0.00044	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00054	U	0.00054	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00037	U *	0.00037	0.0012
Ethylbenzene		0.00087	J	0.00021	0.0012
Ethylene Dibromide		0.00014	U	0.00014	0.0012
Isopropylbenzene		0.00020	U	0.00020	0.0012
m&p-Xylene		0.0036		0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0059
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00059	U	0.00059	0.0012
Methylene Chloride		0.0011	J B	0.00037	0.0012
o-Xylene		0.00081	J	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23935.D
Dilution: 1.0		Initial Weight/Volume: 5.18 g
Analysis Date: 07/17/2016 1043		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0745		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.0058		0.00022	0.0012
trans-1,2-Dichloroethene		0.00046	U	0.00046	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00030	U	0.00030	0.0012
Trichlorofluoromethane		0.00040	U *	0.00040	0.0012
Vinyl chloride		0.00046	U	0.00046	0.0012
Xylenes, Total		0.0044		0.00013	0.0023

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		78 - 135
4-Bromofluorobenzene	102		67 - 126
Dibromofluoromethane (Surr)	103		61 - 149
Toluene-d8 (Surr)	102		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23936.D
Dilution: 1.0		Initial Weight/Volume: 4.65 g
Analysis Date: 07/17/2016 1108		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0746		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00045	U	0.00045	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00052	U	0.00052	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00040	U	0.00040	0.0012
1,1-Dichloroethene		0.00049	U	0.00049	0.0012
1,2,3-Trichlorobenzene		0.00013	U	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00038	U	0.00038	0.0012
1,2-Dibromo-3-Chloropropane		0.00056	U	0.00056	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U	0.00014	0.0012
1,4-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dioxane		0.00076	U	0.00076	0.024
2-Butanone (MEK)		0.00092	U	0.00092	0.0059
2-Hexanone		0.0011	U	0.0011	0.0059
4-Methyl-2-pentanone (MIBK)		0.0026	U	0.0026	0.0059
Acetone		0.011		0.0013	0.0059
Benzene		0.00024	U	0.00024	0.0012
Bromodichloromethane		0.00045	U	0.00045	0.0012
Bromoform		0.00015	U	0.00015	0.0012
Bromomethane		0.00038	U	0.00038	0.0012
Carbon disulfide		0.00070	J	0.00051	0.0012
Carbon tetrachloride		0.00051	U	0.00051	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00042	U	0.00042	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00045	U	0.00045	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U	0.00018	0.0012
Cyclohexane		0.00055	U	0.00055	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00038	U *	0.00038	0.0012
Ethylbenzene		0.00021	U	0.00021	0.0012
Ethylene Dibromide		0.00014	U	0.00014	0.0012
Isopropylbenzene		0.00050	J	0.00020	0.0012
m&p-Xylene		0.00034	J	0.00013	0.0012
Methyl acetate		0.0011	U	0.0011	0.0059
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00059	U	0.00059	0.0012
Methylene Chloride		0.00075	J B	0.00038	0.0012
o-Xylene		0.00020	J	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23936.D
Dilution: 1.0		Initial Weight/Volume: 4.65 g
Analysis Date: 07/17/2016 1108		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0746		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00043	J	0.00023	0.0012
trans-1,2-Dichloroethene		0.00046	U	0.00046	0.0012
trans-1,3-Dichloropropene		0.00012	U	0.00012	0.0012
Trichloroethene		0.00031	U	0.00031	0.0012
Trichlorofluoromethane		0.00040	U *	0.00040	0.0012
Vinyl chloride		0.00046	U	0.00046	0.0012
Xylenes, Total		0.00054	J	0.00013	0.0024

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		78 - 135
4-Bromofluorobenzene	101		67 - 126
Dibromofluoromethane (Surr)	102		61 - 149
Toluene-d8 (Surr)	98		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23972.D
Dilution: 1.0		Initial Weight/Volume: 3.05 g
Analysis Date: 07/18/2016 1305		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0748		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00070	U	0.00070	0.0019
1,1,2,2-Tetrachloroethane		0.00031	U	0.00031	0.0019
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00081	U	0.00081	0.0019
1,1,2-Trichloroethane		0.00052	U	0.00052	0.0019
1,1-Dichloroethane		0.00063	U	0.00063	0.0019
1,1-Dichloroethene		0.00076	U	0.00076	0.0019
1,2,3-Trichlorobenzene		0.00020	U	0.00020	0.0019
1,2,4-Trichlorobenzene		0.00059	U	0.00059	0.0019
1,2-Dibromo-3-Chloropropane		0.00087	U	0.00087	0.0019
1,2-Dichlorobenzene		0.00026	U	0.00026	0.0019
1,2-Dichloroethane		0.00020	U	0.00020	0.0019
1,2-Dichloropropane		0.00031	U	0.00031	0.0019
1,3-Dichlorobenzene		0.00022	U	0.00022	0.0019
1,4-Dichlorobenzene		0.00024	U	0.00024	0.0019
1,4-Dioxane		0.012	U	0.012	0.037
2-Butanone (MEK)		0.0014	U	0.0014	0.0093
2-Hexanone		0.0017	U	0.0017	0.0093
4-Methyl-2-pentanone (MIBK)		0.0041	U	0.0041	0.0093
Acetone		0.0020	U	0.0020	0.0093
Benzene		0.00037	U	0.00037	0.0019
Bromodichloromethane		0.00070	U	0.00070	0.0019
Bromoform		0.00024	U	0.00024	0.0019
Bromomethane		0.00059	U	0.00059	0.0019
Carbon disulfide		0.00080	U	0.00080	0.0019
Carbon tetrachloride		0.00080	U	0.00080	0.0019
Chlorobenzene		0.00026	U	0.00026	0.0019
Chlorobromomethane		0.00031	U	0.00031	0.0019
Chloroethane		0.00065	U	0.00065	0.0019
Chloroform		0.00039	U	0.00039	0.0019
Chloromethane		0.00070	U *	0.00070	0.0019
cis-1,2-Dichloroethene		0.00041	U	0.00041	0.0019
cis-1,3-Dichloropropene		0.00028	U	0.00028	0.0019
Cyclohexane		0.00085	U	0.00085	0.0019
Dibromochloromethane		0.00028	U	0.00028	0.0019
Dichlorodifluoromethane		0.00059	U	0.00059	0.0019
Ethylbenzene		0.00033	U	0.00033	0.0019
Ethylene Dibromide		0.00022	U	0.00022	0.0019
Isopropylbenzene		0.00031	U	0.00031	0.0019
m&p-Xylene		0.00020	U	0.00020	0.0019
Methyl acetate		0.0017	U	0.0017	0.0093
Methyl tert-butyl ether		0.00031	U	0.00031	0.0019
Methylcyclohexane		0.00093	U	0.00093	0.0019
Methylene Chloride		0.00097	J B	0.00059	0.0019
o-Xylene		0.00030	U	0.00030	0.0019
Styrene		0.00028	U	0.00028	0.0019
Tetrachloroethene		0.00052	U	0.00052	0.0019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C      Analysis Batch: 460-379524      Instrument ID: CVOAMS4  
Prep Method: 5035      Prep Batch: 460-379235      Lab File ID: D23972.D  
Dilution: 1.0      Initial Weight/Volume: 3.05 g  
Analysis Date: 07/18/2016 1305      Final Weight/Volume: 5 mL  
Prep Date: 07/15/2016 0748

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00035	U	0.00035	0.0019
trans-1,2-Dichloroethene		0.00072	U	0.00072	0.0019
trans-1,3-Dichloropropene		0.00019	U	0.00019	0.0019
Trichloroethene		0.00048	U	0.00048	0.0019
Trichlorofluoromethane		0.00063	U	0.00063	0.0019
Vinyl chloride		0.00072	U *	0.00072	0.0019
Xylenes, Total		0.00020	U	0.00020	0.0037

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		78 - 135
4-Bromofluorobenzene	104		67 - 126
Dibromofluoromethane (Surr)	91		61 - 149
Toluene-d8 (Surr)	102		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23973.D
Dilution: 1.0		Initial Weight/Volume: 4.39 g
Analysis Date: 07/18/2016 1329		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0748		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00049	U	0.00049	0.0013
1,1,2,2-Tetrachloroethane		0.00022	U	0.00022	0.0013
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00057	U	0.00057	0.0013
1,1,2-Trichloroethane		0.00036	U	0.00036	0.0013
1,1-Dichloroethane		0.00044	U	0.00044	0.0013
1,1-Dichloroethene		0.00053	U	0.00053	0.0013
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0013
1,2,4-Trichlorobenzene		0.00041	U	0.00041	0.0013
1,2-Dibromo-3-Chloropropane		0.00061	U	0.00061	0.0013
1,2-Dichlorobenzene		0.00018	U	0.00018	0.0013
1,2-Dichloroethane		0.00014	U	0.00014	0.0013
1,2-Dichloropropane		0.00022	U	0.00022	0.0013
1,3-Dichlorobenzene		0.00015	U	0.00015	0.0013
1,4-Dichlorobenzene		0.00017	U	0.00017	0.0013
1,4-Dioxane		0.0082	U	0.0082	0.026
2-Butanone (MEK)		0.00099	U	0.00099	0.0065
2-Hexanone		0.0012	U	0.0012	0.0065
4-Methyl-2-pentanone (MIBK)		0.0029	U	0.0029	0.0065
Acetone		0.0014	U	0.0014	0.0065
Benzene		0.00026	U	0.00026	0.0013
Bromodichloromethane		0.00049	U	0.00049	0.0013
Bromoform		0.00017	U	0.00017	0.0013
Bromomethane		0.00041	U	0.00041	0.0013
Carbon disulfide		0.00056	U	0.00056	0.0013
Carbon tetrachloride		0.00056	U	0.00056	0.0013
Chlorobenzene		0.00018	U	0.00018	0.0013
Chlorobromomethane		0.00022	U	0.00022	0.0013
Chloroethane		0.00045	U	0.00045	0.0013
Chloroform		0.00027	U	0.00027	0.0013
Chloromethane		0.00049	U *	0.00049	0.0013
cis-1,2-Dichloroethene		0.00028	U	0.00028	0.0013
cis-1,3-Dichloropropene		0.00019	U	0.00019	0.0013
Cyclohexane		0.00059	U	0.00059	0.0013
Dibromochloromethane		0.00019	U	0.00019	0.0013
Dichlorodifluoromethane		0.00041	U	0.00041	0.0013
Ethylbenzene		0.00023	U	0.00023	0.0013
Ethylene Dibromide		0.00015	U	0.00015	0.0013
Isopropylbenzene		0.00022	U	0.00022	0.0013
m&p-Xylene		0.00014	U	0.00014	0.0013
Methyl acetate		0.0012	U	0.0012	0.0065
Methyl tert-butyl ether		0.00022	U	0.00022	0.0013
Methylcyclohexane		0.00065	U	0.00065	0.0013
Methylene Chloride		0.0012	J B	0.00041	0.0013
o-Xylene		0.00021	U	0.00021	0.0013
Styrene		0.00019	U	0.00019	0.0013
Tetrachloroethene		0.00036	U	0.00036	0.0013

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23973.D
Dilution: 1.0		Initial Weight/Volume: 4.39 g
Analysis Date: 07/18/2016 1329		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0748		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00025	U	0.00025	0.0013
trans-1,2-Dichloroethene		0.00050	U	0.00050	0.0013
trans-1,3-Dichloropropene		0.00013	U	0.00013	0.0013
Trichloroethene		0.00034	U	0.00034	0.0013
Trichlorofluoromethane		0.00044	U	0.00044	0.0013
Vinyl chloride		0.00050	U *	0.00050	0.0013
Xylenes, Total		0.00014	U	0.00014	0.0026

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		78 - 135
4-Bromofluorobenzene	102		67 - 126
Dibromofluoromethane (Surr)	90		61 - 149
Toluene-d8 (Surr)	97		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23939.D
Dilution: 1.0		Initial Weight/Volume: 2.56 g
Analysis Date: 07/17/2016 1222		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0749		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00082	U	0.00082	0.0022
1,1,2,2-Tetrachloroethane		0.00037	U	0.00037	0.0022
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00095	U	0.00095	0.0022
1,1,2-Trichloroethane		0.00060	U	0.00060	0.0022
1,1-Dichloroethane		0.00073	U	0.00073	0.0022
1,1-Dichloroethene		0.00089	U	0.00089	0.0022
1,2,3-Trichlorobenzene		0.00024	U	0.00024	0.0022
1,2,4-Trichlorobenzene		0.00069	U	0.00069	0.0022
1,2-Dibromo-3-Chloropropane		0.0010	U	0.0010	0.0022
1,2-Dichlorobenzene		0.00030	U	0.00030	0.0022
1,2-Dichloroethane		0.00024	U	0.00024	0.0022
1,2-Dichloropropane		0.00037	U	0.00037	0.0022
1,3-Dichlorobenzene		0.00026	U	0.00026	0.0022
1,4-Dichlorobenzene		0.00028	U	0.00028	0.0022
1,4-Dioxane		0.014	U	0.014	0.043
2-Butanone (MEK)		0.0017	U	0.0017	0.011
2-Hexanone		0.0020	U	0.0020	0.011
4-Methyl-2-pentanone (MIBK)		0.0048	U	0.0048	0.011
Acetone		0.012		0.0023	0.011
Benzene		0.00043	U	0.00043	0.0022
Bromodichloromethane		0.00082	U	0.00082	0.0022
Bromoform		0.00028	U	0.00028	0.0022
Bromomethane		0.00069	U	0.00069	0.0022
Carbon disulfide		0.00093	U	0.00093	0.0022
Carbon tetrachloride		0.00093	U	0.00093	0.0022
Chlorobenzene		0.00030	U	0.00030	0.0022
Chlorobromomethane		0.00037	U	0.00037	0.0022
Chloroethane		0.00076	U	0.00076	0.0022
Chloroform		0.00045	U	0.00045	0.0022
Chloromethane		0.00082	U	0.00082	0.0022
cis-1,2-Dichloroethene		0.00048	U	0.00048	0.0022
cis-1,3-Dichloropropene		0.00032	U	0.00032	0.0022
Cyclohexane		0.00099	U	0.00099	0.0022
Dibromochloromethane		0.00032	U	0.00032	0.0022
Dichlorodifluoromethane		0.00069	U *	0.00069	0.0022
Ethylbenzene		0.00039	U	0.00039	0.0022
Ethylene Dibromide		0.00026	U	0.00026	0.0022
Isopropylbenzene		0.00037	U	0.00037	0.0022
m&p-Xylene		0.00024	U	0.00024	0.0022
Methyl acetate		0.0019	U	0.0019	0.011
Methyl tert-butyl ether		0.00037	U	0.00037	0.0022
Methylcyclohexane		0.0011	U	0.0011	0.0022
Methylene Chloride		0.0051	B	0.00069	0.0022
o-Xylene		0.00035	U	0.00035	0.0022
Styrene		0.00032	U	0.00032	0.0022
Tetrachloroethene		0.00060	U	0.00060	0.0022



# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23940.D
Dilution: 1.0		Initial Weight/Volume: 4.49 g
Analysis Date: 07/17/2016 1246		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00047	U	0.00047	0.0012
1,1,2,2-Tetrachloroethane		0.00021	U	0.00021	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00055	U	0.00055	0.0012
1,1,2-Trichloroethane		0.00035	U	0.00035	0.0012
1,1-Dichloroethane		0.00042	U	0.00042	0.0012
1,1-Dichloroethene		0.00051	U	0.00051	0.0012
1,2,3-Trichlorobenzene		0.00014	U	0.00014	0.0012
1,2,4-Trichlorobenzene		0.00040	U	0.00040	0.0012
1,2-Dibromo-3-Chloropropane		0.00058	U	0.00058	0.0012
1,2-Dichlorobenzene		0.00017	U	0.00017	0.0012
1,2-Dichloroethane		0.00014	U	0.00014	0.0012
1,2-Dichloropropane		0.00021	U	0.00021	0.0012
1,3-Dichlorobenzene		0.00015	U	0.00015	0.0012
1,4-Dichlorobenzene		0.00016	U	0.00016	0.0012
1,4-Dioxane		0.0079	U	0.0079	0.025
2-Butanone (MEK)		0.00096	U	0.00096	0.0062
2-Hexanone		0.0012	U	0.0012	0.0062
4-Methyl-2-pentanone (MIBK)		0.0028	U	0.0028	0.0062
Acetone		0.026		0.0013	0.0062
Benzene		0.00025	U	0.00025	0.0012
Bromodichloromethane		0.00047	U	0.00047	0.0012
Bromoform		0.00016	U	0.00016	0.0012
Bromomethane		0.00040	U	0.00040	0.0012
Carbon disulfide		0.00053	U	0.00053	0.0012
Carbon tetrachloride		0.00053	U	0.00053	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00021	U	0.00021	0.0012
Chloroethane		0.00043	U	0.00043	0.0012
Chloroform		0.00026	U	0.00026	0.0012
Chloromethane		0.00047	U	0.00047	0.0012
cis-1,2-Dichloroethene		0.00027	U	0.00027	0.0012
cis-1,3-Dichloropropene		0.00019	U	0.00019	0.0012
Cyclohexane		0.00057	U	0.00057	0.0012
Dibromochloromethane		0.00019	U	0.00019	0.0012
Dichlorodifluoromethane		0.00040	U *	0.00040	0.0012
Ethylbenzene		0.00022	U	0.00022	0.0012
Ethylene Dibromide		0.00015	U	0.00015	0.0012
Isopropylbenzene		0.0035		0.00021	0.0012
m&p-Xylene		0.00014	U	0.00014	0.0012
Methyl acetate		0.0011	U	0.0011	0.0062
Methyl tert-butyl ether		0.00021	U	0.00021	0.0012
Methylcyclohexane		0.0038		0.00062	0.0012
Methylene Chloride		0.0045	B	0.00040	0.0012
o-Xylene		0.00083	J	0.00020	0.0012
Styrene		0.00019	U	0.00019	0.0012
Tetrachloroethene		0.00035	U	0.00035	0.0012



# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Prep Method: 5035	Prep Batch: 460-379235	Lab File ID: D23933.D
Dilution: 1.0		Initial Weight/Volume: 4.93 g
Analysis Date: 07/17/2016 0954		Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0751		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00045	U	0.00045	0.0012
1,1,2,2-Tetrachloroethane		0.00020	U F1 F2	0.00020	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00053	U	0.00053	0.0012
1,1,2-Trichloroethane		0.00033	U	0.00033	0.0012
1,1-Dichloroethane		0.00041	U	0.00041	0.0012
1,1-Dichloroethene		0.00049	U	0.00049	0.0012
1,2,3-Trichlorobenzene		0.00013	U F1 F2	0.00013	0.0012
1,2,4-Trichlorobenzene		0.00038	U F1	0.00038	0.0012
1,2-Dibromo-3-Chloropropane		0.00056	U	0.00056	0.0012
1,2-Dichlorobenzene		0.00017	U F1	0.00017	0.0012
1,2-Dichloroethane		0.00013	U	0.00013	0.0012
1,2-Dichloropropane		0.00020	U	0.00020	0.0012
1,3-Dichlorobenzene		0.00014	U F1	0.00014	0.0012
1,4-Dichlorobenzene		0.00016	U F1	0.00016	0.0012
1,4-Dioxane		0.00076	U	0.00076	0.024
2-Butanone (MEK)		0.00092	U	0.00092	0.0060
2-Hexanone		0.0011	U	0.0011	0.0060
4-Methyl-2-pentanone (MIBK)		0.0027	U	0.0027	0.0060
Acetone		0.0088	F1	0.0013	0.0060
Benzene		0.00024	U	0.00024	0.0012
Bromodichloromethane		0.00045	U	0.00045	0.0012
Bromoform		0.00016	U	0.00016	0.0012
Bromomethane		0.00038	U	0.00038	0.0012
Carbon disulfide		0.0012		0.00051	0.0012
Carbon tetrachloride		0.00051	U	0.00051	0.0012
Chlorobenzene		0.00017	U	0.00017	0.0012
Chlorobromomethane		0.00020	U	0.00020	0.0012
Chloroethane		0.00042	U	0.00042	0.0012
Chloroform		0.00025	U	0.00025	0.0012
Chloromethane		0.00045	U F2 F1	0.00045	0.0012
cis-1,2-Dichloroethene		0.00026	U	0.00026	0.0012
cis-1,3-Dichloropropene		0.00018	U F1	0.00018	0.0012
Cyclohexane		0.00055	U	0.00055	0.0012
Dibromochloromethane		0.00018	U	0.00018	0.0012
Dichlorodifluoromethane		0.00038	U *	0.00038	0.0012
Ethylbenzene		0.00022	U	0.00022	0.0012
Ethylene Dibromide		0.00014	U F1	0.00014	0.0012
Isopropylbenzene		0.00020	U	0.00020	0.0012
m&p-Xylene		0.00013	U	0.00013	0.0012
Methyl acetate		0.0011	U F2 F1	0.0011	0.0060
Methyl tert-butyl ether		0.00020	U	0.00020	0.0012
Methylcyclohexane		0.00060	U F1	0.00060	0.0012
Methylene Chloride		0.0012	B	0.00038	0.0012
o-Xylene		0.00019	U	0.00019	0.0012
Styrene		0.00018	U	0.00018	0.0012
Tetrachloroethene		0.00033	U	0.00033	0.0012

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C      Analysis Batch: 460-379471      Instrument ID: CVOAMS4  
Prep Method: 5035      Prep Batch: 460-379235      Lab File ID: D23933.D  
Dilution: 1.0      Initial Weight/Volume: 4.93 g  
Analysis Date: 07/17/2016 0954      Final Weight/Volume: 5 mL  
Prep Date: 07/15/2016 0751

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Toluene		0.00054	J	0.00023	0.0012
trans-1,2-Dichloroethene		0.00047	U	0.00047	0.0012
trans-1,3-Dichloropropene		0.00012	U F1	0.00012	0.0012
Trichloroethene		0.00031	U F2 F1	0.00031	0.0012
Trichlorofluoromethane		0.00041	U *	0.00041	0.0012
Vinyl chloride		0.00047	U	0.00047	0.0012
Xylenes, Total		0.00013	U	0.00013	0.0024

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		78 - 135
4-Bromofluorobenzene	107		67 - 126
Dibromofluoromethane (Surr)	108		61 - 149
Toluene-d8 (Surr)	108		73 - 121

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57322.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0610		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 0610		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U *	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	1.3		0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: E57322.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0610		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 0610		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 137
4-Bromofluorobenzene	87		70 - 131
Dibromofluoromethane (Surr)	100		72 - 136
Toluene-d8 (Surr)	101		74 - 120

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: TB20160714**

Lab Sample ID: 460-117248-1TB

Date Sampled: 07/14/2016 0000

Client Matrix: Water

Date Received: 07/19/2016 1940

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: J43616.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1206		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1206		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: TB20160714**

Lab Sample ID: 460-117248-1TB

Date Sampled: 07/14/2016 0000

Client Matrix: Water

Date Received: 07/19/2016 1940

## 8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: J43616.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1206		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1206		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		70 - 137
4-Bromofluorobenzene	102		70 - 131
Dibromofluoromethane (Surr)	90		72 - 136
Toluene-d8 (Surr)	95		74 - 120

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379270	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x15988.D
Dilution: 1.0		Initial Weight/Volume: 15.0389 g
Analysis Date: 07/15/2016 2251		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.033	U *	0.033	0.39
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.39
2,3,4,6-Tetrachlorophenol		0.037	U	0.037	0.39
2,4,5-Trichlorophenol		0.039	U	0.039	0.39
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0092	U	0.0092	0.16
2,4-Dimethylphenol		0.085	U	0.085	0.39
2,4-Dinitrophenol		0.29	U	0.29	0.31
2,4-Dinitrotoluene		0.015	U	0.015	0.079
2,6-Dinitrotoluene		0.021	U	0.021	0.079
2-Chloronaphthalene		0.0088	U	0.0088	0.39
2-Chlorophenol		0.0099	U	0.0099	0.39
2-Methylnaphthalene		0.13	J	0.0086	0.39
2-Methylphenol		0.017	U	0.017	0.39
2-Nitroaniline		0.013	U	0.013	0.39
2-Nitrophenol		0.013	U	0.013	0.39
3,3'-Dichlorobenzidine		0.043	U	0.043	0.16
3-Nitroaniline		0.012	U	0.012	0.39
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.31
4-Bromophenyl phenyl ether		0.012	U	0.012	0.39
4-Chloro-3-methylphenol		0.017	U	0.017	0.39
4-Chloroaniline		0.010	U	0.010	0.39
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.39
4-Methylphenol		0.011	U	0.011	0.39
4-Nitroaniline		0.015	U	0.015	0.39
4-Nitrophenol		0.19	U	0.19	0.79
Acenaphthene		0.0094	U	0.0094	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acetophenone		0.034	J	0.0085	0.39
Anthracene		0.037	U	0.037	0.39
Atrazine		0.017	U	0.017	0.16
Benzaldehyde		0.037	J	0.030	0.39
Benzo[a]anthracene		0.048		0.032	0.039
Benzo[a]pyrene		0.012	U	0.012	0.039
Benzo[b]fluoranthene		0.075		0.015	0.039
Benzo[g,h,i]perylene		0.53		0.022	0.39
Benzo[k]fluoranthene		0.017	U	0.017	0.039
bis (2-chloroisopropyl) ether		0.016	U *	0.016	0.39
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.39
Bis(2-chloroethyl)ether		0.0092	U	0.0092	0.039
Bis(2-ethylhexyl) phthalate		0.30	J *	0.015	0.39
Butyl benzyl phthalate		0.012	U *	0.012	0.39
Caprolactam		0.028	U	0.028	0.39
Carbazole		0.012	J	0.0096	0.39
Chrysene		0.066	J	0.011	0.39
Dibenz(a,h)anthracene		0.020	U	0.020	0.039

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379270	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x15988.D
Dilution: 1.0		Initial Weight/Volume: 15.0389 g
Analysis Date: 07/15/2016 2251		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.020	J	0.012	0.39
Diethyl phthalate		0.040	J	0.011	0.39
Dimethyl phthalate		0.011	U	0.011	0.39
Di-n-butyl phthalate		0.068	J	0.012	0.39
Di-n-octyl phthalate		0.020	U *	0.020	0.39
Fluoranthene		0.066	J	0.012	0.39
Fluorene		0.0085	U	0.0085	0.39
Hexachlorobenzene		0.016	U	0.016	0.039
Hexachlorobutadiene		0.011	U	0.011	0.079
Hexachlorocyclopentadiene		0.024	U	0.024	0.39
Hexachloroethane		0.014	U	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.12		0.026	0.039
Isophorone		0.0083	U	0.0083	0.16
Naphthalene		0.073	J	0.0099	0.39
Nitrobenzene		0.012	U	0.012	0.039
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.039
N-Nitrosodiphenylamine		0.035	U	0.035	0.39
Pentachlorophenol		0.047	U	0.047	0.31
Phenanthrene		0.12	J	0.010	0.39
Phenol		0.013	U	0.013	0.39
Pyrene		0.095	J	0.018	0.39
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		60		10 - 95	
2-Fluorobiphenyl		82		27 - 84	
2-Fluorophenol (Surr)		68		21 - 84	
Nitrobenzene-d5 (Surr)		78		28 - 92	
Phenol-d5 (Surr)		67		22 - 88	
Terphenyl-d14 (Surr)		56		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379515	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x16044.D
Dilution: 1.0		Initial Weight/Volume: 15.0148 g
Analysis Date: 07/18/2016 1144		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U *	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0087	U	0.0087	0.15
2,4-Dimethylphenol		0.081	U	0.081	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.075
2,6-Dinitrotoluene		0.020	U	0.020	0.075
2-Chloronaphthalene		0.0084	U	0.0084	0.37
2-Chlorophenol		0.0094	U	0.0094	0.37
2-Methylnaphthalene		0.031	J	0.0082	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.012	U	0.012	0.37
3,3'-Dichlorobenzidine		0.041	U	0.041	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.099	U	0.099	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0095	U	0.0095	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.75
Acenaphthene		0.043	J	0.0089	0.37
Acenaphthylene		0.28	J	0.0095	0.37
Acetophenone		0.0081	U	0.0081	0.37
Anthracene		0.45		0.035	0.37
Atrazine		0.016	U	0.016	0.15
Benzaldehyde		0.028	U	0.028	0.37
Benzo[a]anthracene		2.2		0.031	0.037
Benzo[a]pyrene		2.4		0.011	0.037
Benzo[b]fluoranthene		3.1		0.014	0.037
Benzo[g,h,i]perylene		2.4		0.021	0.37
Benzo[k]fluoranthene		1.1		0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U *	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0087	U	0.0087	0.037
Bis(2-ethylhexyl) phthalate		0.46	*	0.014	0.37
Butyl benzyl phthalate		0.058	J *	0.011	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.16	J	0.0092	0.37
Chrysene		2.3		0.010	0.37
Dibenz(a,h)anthracene		0.63		0.019	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379515	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x16044.D
Dilution: 1.0		Initial Weight/Volume: 15.0148 g
Analysis Date: 07/18/2016 1144		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.083	J	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.017	J	0.011	0.37
Di-n-octyl phthalate		0.019	U *	0.019	0.37
Fluoranthene		4.2		0.011	0.37
Fluorene		0.15	J	0.0081	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.010	U	0.010	0.075
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		2.5		0.025	0.037
Isophorone		0.0079	U	0.0079	0.15
Naphthalene		0.083	J	0.0094	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.012	U	0.012	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		2.4		0.0098	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		3.1		0.017	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	51		10 - 95
2-Fluorobiphenyl	76		27 - 84
2-Fluorophenol (Surr)	64		21 - 84
Nitrobenzene-d5 (Surr)	72		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	63		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379515	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x16045.D
Dilution: 1.0		Initial Weight/Volume: 15.0258 g
Analysis Date: 07/18/2016 1208		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.033	U *	0.033	0.39
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.39
2,3,4,6-Tetrachlorophenol		0.036	U	0.036	0.39
2,4,5-Trichlorophenol		0.039	U	0.039	0.39
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0091	U	0.0091	0.16
2,4-Dimethylphenol		0.085	U	0.085	0.39
2,4-Dinitrophenol		0.29	U	0.29	0.31
2,4-Dinitrotoluene		0.015	U	0.015	0.078
2,6-Dinitrotoluene		0.021	U	0.021	0.078
2-Chloronaphthalene		0.0088	U	0.0088	0.39
2-Chlorophenol		0.0098	U	0.0098	0.39
2-Methylnaphthalene		0.050	J	0.0086	0.39
2-Methylphenol		0.017	U	0.017	0.39
2-Nitroaniline		0.013	U	0.013	0.39
2-Nitrophenol		0.013	U	0.013	0.39
3,3'-Dichlorobenzidine		0.043	U	0.043	0.16
3-Nitroaniline		0.011	U	0.011	0.39
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.31
4-Bromophenyl phenyl ether		0.012	U	0.012	0.39
4-Chloro-3-methylphenol		0.017	U	0.017	0.39
4-Chloroaniline		0.010	U	0.010	0.39
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.39
4-Methylphenol		0.011	U	0.011	0.39
4-Nitroaniline		0.015	U	0.015	0.39
4-Nitrophenol		0.19	U	0.19	0.78
Acenaphthene		0.0094	U	0.0094	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acetophenone		0.0084	U	0.0084	0.39
Anthracene		0.037	U	0.037	0.39
Atrazine		0.017	U	0.017	0.16
Benzaldehyde		0.030	U	0.030	0.39
Benzo[a]anthracene		0.040		0.032	0.039
Benzo[a]pyrene		0.039		0.012	0.039
Benzo[b]fluoranthene		0.051		0.015	0.039
Benzo[g,h,i]perylene		0.049	J	0.022	0.39
Benzo[k]fluoranthene		0.023	J	0.017	0.039
bis (2-chloroisopropyl) ether		0.016	U *	0.016	0.39
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.39
Bis(2-chloroethyl)ether		0.0091	U	0.0091	0.039
Bis(2-ethylhexyl) phthalate		0.38	J *	0.015	0.39
Butyl benzyl phthalate		3.1	*	0.012	0.39
Caprolactam		0.028	U	0.028	0.39
Carbazole		0.0096	U	0.0096	0.39
Chrysene		0.044	J	0.011	0.39
Dibenz(a,h)anthracene		0.020	U	0.020	0.039

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379515	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: x16045.D
Dilution: 1.0		Initial Weight/Volume: 15.0258 g
Analysis Date: 07/18/2016 1208		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.39
Diethyl phthalate		0.011	U	0.011	0.39
Dimethyl phthalate		0.011	U	0.011	0.39
Di-n-butyl phthalate		0.012	U	0.012	0.39
Di-n-octyl phthalate		0.020	U *	0.020	0.39
Fluoranthene		0.062	J	0.011	0.39
Fluorene		0.0084	U	0.0084	0.39
Hexachlorobenzene		0.016	U	0.016	0.039
Hexachlorobutadiene		0.011	U	0.011	0.078
Hexachlorocyclopentadiene		0.024	U	0.024	0.39
Hexachloroethane		0.014	U	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.049		0.026	0.039
Isophorone		0.0083	U	0.0083	0.16
Naphthalene		0.012	J	0.0098	0.39
Nitrobenzene		0.012	U	0.012	0.039
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.039
N-Nitrosodiphenylamine		0.035	U	0.035	0.39
Pentachlorophenol		0.047	U	0.047	0.31
Phenanthrene		0.032	J	0.010	0.39
Phenol		0.013	U	0.013	0.39
Pyrene		0.062	J	0.018	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	54		10 - 95
2-Fluorobiphenyl	77		27 - 84
2-Fluorophenol (Surr)	65		21 - 84
Nitrobenzene-d5 (Surr)	73		28 - 92
Phenol-d5 (Surr)	66		22 - 88
Terphenyl-d14 (Surr)	69		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Prep Method: 3510C	Prep Batch: 460-378878	Lab File ID: M230034.D
Dilution: 1.0		Initial Weight/Volume: 240 mL
Analysis Date: 07/14/2016 0905		Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	0.66	U	0.66	10
1,2,4,5-Tetrachlorobenzene	0.45	U	0.45	10
2,3,4,6-Tetrachlorophenol	0.72	U	0.72	10
2,4,5-Trichlorophenol	0.51	U	0.51	10
2,4,6-Trichlorophenol	0.55	U	0.55	10
2,4-Dichlorophenol	0.66	U	0.66	10
2,4-Dimethylphenol	0.95	U	0.95	10
2,4-Dinitrophenol	2.5	U	2.5	21
2,4-Dinitrotoluene	1.1	U	1.1	2.1
2,6-Dinitrotoluene	0.92	U	0.92	2.1
2-Chloronaphthalene	0.64	U	0.64	10
2-Chlorophenol	0.77	U	0.77	10
2-Methylnaphthalene	0.92	U	0.92	10
2-Methylphenol	1.3	U	1.3	10
2-Nitroaniline	0.68	U	0.68	10
2-Nitrophenol	0.61	U	0.61	10
3,3'-Dichlorobenzidine	1.1	U	1.1	10
3-Nitroaniline	0.85	U	0.85	10
4,6-Dinitro-2-methylphenol	2.1	U	2.1	21
4-Bromophenyl phenyl ether	1.1	U	1.1	10
4-Chloro-3-methylphenol	0.79	U	0.79	10
4-Chloroaniline	0.76	U	0.76	10
4-Chlorophenyl phenyl ether	1.0	U	1.0	10
4-Methylphenol	0.91	U	0.91	10
4-Nitroaniline	0.50	U	0.50	10
4-Nitrophenol	4.8	U	4.8	21
Acenaphthene	0.92	U	0.92	10
Acenaphthylene	0.68	U	0.68	10
Acetophenone	3.3	J	1.1	10
Anthracene	0.59	U	0.59	10
Atrazine	0.80	U	0.80	2.1
Benzaldehyde	0.90	U	0.90	10
Benzo[a]anthracene	0.57	U	0.57	1.0
Benzo[a]pyrene	0.17	U	0.17	1.0
Benzo[b]fluoranthene	0.46	U	0.46	1.0
Benzo[g,h,i]perylene	0.78	U	0.78	10
Benzo[k]fluoranthene	0.19	U	0.19	1.0
bis (2-chloroisopropyl) ether	0.97	U	0.97	10
Bis(2-chloroethoxy)methane	0.72	U	0.72	10
Bis(2-chloroethyl)ether	0.13	U	0.13	1.0
Bis(2-ethylhexyl) phthalate	0.75	U	0.75	2.1
Butyl benzyl phthalate	0.63	U	0.63	10
Caprolactam	1.1	U	1.1	10
Carbazole	0.89	U	0.89	10
Chrysene	0.70	U	0.70	2.1
Dibenz(a,h)anthracene	0.094	U	0.094	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Prep Method: 3510C	Prep Batch: 460-378878	Lab File ID: M230034.D
Dilution: 1.0		Initial Weight/Volume: 240 mL
Analysis Date: 07/14/2016 0905		Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	0.89	U	0.89	10
Diethyl phthalate	1.0	U	1.0	10
Dimethyl phthalate	1.0	U	1.0	10
Di-n-butyl phthalate	0.85	U	0.85	10
Di-n-octyl phthalate	0.72	U	0.72	10
Fluoranthene	0.75	U	0.75	10
Fluorene	0.83	U	0.83	10
Hexachlorobenzene	0.49	U	0.49	1.0
Hexachlorobutadiene	0.79	U	0.79	1.0
Hexachlorocyclopentadiene	0.64	U	0.64	10
Hexachloroethane	0.094	U	0.094	1.0
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	1.0
Isophorone	0.70	U	0.70	10
Naphthalene	0.83	U	0.83	10
Nitrobenzene	0.51	U	0.51	1.0
N-Nitrosodi-n-propylamine	0.86	U	0.86	1.0
N-Nitrosodiphenylamine	0.77	U	0.77	10
Pentachlorophenol	2.3	U	2.3	21
Phenanthrene	0.68	U	0.68	10
Phenol	0.43	U	0.43	10
Pyrene	0.86	U	0.86	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96		43 - 126
2-Fluorobiphenyl	86		63 - 113
2-Fluorophenol (Surr)	44		13 - 77
Nitrobenzene-d5 (Surr)	94		62 - 120
Phenol-d5 (Surr)	29		10 - 53
Terphenyl-d14 (Surr)	111		57 - 125

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: W108-SB-2-(0-2)

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135426.D
Dilution: 1.0		Initial Weight/Volume: 15.0330 g
Analysis Date: 07/15/2016 1432		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U *	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0088	U	0.0088	0.15
2,4-Dimethylphenol		0.082	U	0.082	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.076
2,6-Dinitrotoluene		0.020	U	0.020	0.076
2-Chloronaphthalene		0.0085	U	0.0085	0.37
2-Chlorophenol		0.0095	U	0.0095	0.37
2-Methylnaphthalene		0.015	J	0.0083	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.013	U	0.013	0.37
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0096	U	0.0096	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.76
Acenaphthene		0.0091	U	0.0091	0.37
Acenaphthylene		0.0096	U	0.0096	0.37
Acetophenone		0.028	J	0.0082	0.37
Anthracene		0.036	U	0.036	0.37
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.029	U	0.029	0.37
Benzo[a]anthracene		0.031	U	0.031	0.037
Benzo[a]pyrene		0.011	U	0.011	0.037
Benzo[b]fluoranthene		0.015	U	0.015	0.037
Benzo[g,h,i]perylene		0.022	U	0.022	0.37
Benzo[k]fluoranthene		0.016	U	0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U *	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0088	U	0.0088	0.037
Bis(2-ethylhexyl) phthalate		0.075	J *	0.015	0.37
Butyl benzyl phthalate		0.012	U *	0.012	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.0093	U	0.0093	0.37
Chrysene		0.037	J	0.010	0.37
Dibenz(a,h)anthracene		0.020	U	0.020	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135426.D
Dilution: 1.0		Initial Weight/Volume: 15.0330 g
Analysis Date: 07/15/2016 1432		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.016	J	0.011	0.37
Di-n-octyl phthalate		0.019	U *	0.019	0.37
Fluoranthene		0.043	J	0.011	0.37
Fluorene		0.0082	U	0.0082	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.011	U	0.011	0.076
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.037
Isophorone		0.26		0.0081	0.15
Naphthalene		0.011	J	0.0095	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		0.024	J	0.010	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.054	J	0.017	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	9	X	10 - 95
2-Fluorobiphenyl	84		27 - 84
2-Fluorophenol (Surr)	59		21 - 84
Nitrobenzene-d5 (Surr)	66		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	71		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: W108-SB-X(3-4)

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135414.D
Dilution: 1.0		Initial Weight/Volume: 15.0499 g
Analysis Date: 07/15/2016 0922		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.033	U *	0.033	0.39
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.39
2,3,4,6-Tetrachlorophenol		0.036	U	0.036	0.39
2,4,5-Trichlorophenol		0.038	U	0.038	0.39
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0091	U	0.0091	0.16
2,4-Dimethylphenol		0.085	U	0.085	0.39
2,4-Dinitrophenol		0.29	U	0.29	0.31
2,4-Dinitrotoluene		0.015	U	0.015	0.078
2,6-Dinitrotoluene		0.021	U	0.021	0.078
2-Chloronaphthalene		0.0088	U	0.0088	0.39
2-Chlorophenol		0.0098	U	0.0098	0.39
2-Methylnaphthalene		0.026	J	0.0085	0.39
2-Methylphenol		0.017	U	0.017	0.39
2-Nitroaniline		0.013	U	0.013	0.39
2-Nitrophenol		0.013	U	0.013	0.39
3,3'-Dichlorobenzidine		0.043	U	0.043	0.16
3-Nitroaniline		0.011	U	0.011	0.39
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.31
4-Bromophenyl phenyl ether		0.012	U	0.012	0.39
4-Chloro-3-methylphenol		0.017	U	0.017	0.39
4-Chloroaniline		0.0099	U	0.0099	0.39
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.39
4-Methylphenol		0.011	U	0.011	0.39
4-Nitroaniline		0.015	U	0.015	0.39
4-Nitrophenol		0.19	U	0.19	0.78
Acenaphthene		0.0093	U	0.0093	0.39
Acenaphthylene		0.0099	U	0.0099	0.39
Acetophenone		0.0084	U	0.0084	0.39
Anthracene		0.037	U	0.037	0.39
Atrazine		0.017	U	0.017	0.16
Benzaldehyde		0.029	U	0.029	0.39
Benzo[a]anthracene		0.032	U	0.032	0.039
Benzo[a]pyrene		0.012	U	0.012	0.039
Benzo[b]fluoranthene		0.015	U	0.015	0.039
Benzo[g,h,i]perylene		0.022	U	0.022	0.39
Benzo[k]fluoranthene		0.017	U	0.017	0.039
bis (2-chloroisopropyl) ether		0.016	U *	0.016	0.39
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.39
Bis(2-chloroethyl)ether		0.0091	U	0.0091	0.039
Bis(2-ethylhexyl) phthalate		0.18	J *	0.015	0.39
Butyl benzyl phthalate		0.012	U *	0.012	0.39
Caprolactam		0.028	U	0.028	0.39
Carbazole		0.0096	U	0.0096	0.39
Chrysene		0.011	U	0.011	0.39
Dibenz(a,h)anthracene		0.020	U	0.020	0.039

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135414.D
Dilution: 1.0		Initial Weight/Volume: 15.0499 g
Analysis Date: 07/15/2016 0922		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.39
Diethyl phthalate		0.011	U	0.011	0.39
Dimethyl phthalate		0.011	U	0.011	0.39
Di-n-butyl phthalate		0.024	J	0.012	0.39
Di-n-octyl phthalate		0.020	U *	0.020	0.39
Fluoranthene		0.013	J	0.011	0.39
Fluorene		0.0084	U	0.0084	0.39
Hexachlorobenzene		0.016	U	0.016	0.039
Hexachlorobutadiene		0.011	U	0.011	0.078
Hexachlorocyclopentadiene		0.024	U	0.024	0.39
Hexachloroethane		0.014	U	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.026	U	0.026	0.039
Isophorone		0.043	J	0.0083	0.16
Naphthalene		0.022	J	0.0098	0.39
Nitrobenzene		0.012	U	0.012	0.039
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.039
N-Nitrosodiphenylamine		0.035	U	0.035	0.39
Pentachlorophenol		0.047	U	0.047	0.31
Phenanthrene		0.010	U	0.010	0.39
Phenol		0.013	U	0.013	0.39
Pyrene		0.020	J	0.018	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	29		10 - 95
2-Fluorobiphenyl	92	X	27 - 84
2-Fluorophenol (Surr)	75		21 - 84
Nitrobenzene-d5 (Surr)	77		28 - 92
Phenol-d5 (Surr)	76		22 - 88
Terphenyl-d14 (Surr)	95		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135415.D
Dilution: 1.0		Initial Weight/Volume: 15.0178 g
Analysis Date: 07/15/2016 0947		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U *	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0089	U	0.0089	0.15
2,4-Dimethylphenol		0.083	U	0.083	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.076
2,6-Dinitrotoluene		0.020	U	0.020	0.076
2-Chloronaphthalene		0.0085	U	0.0085	0.37
2-Chlorophenol		0.0095	U	0.0095	0.37
2-Methylnaphthalene		0.036	J	0.0083	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.013	U	0.013	0.37
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0096	U	0.0096	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.76
Acenaphthene		0.0091	U	0.0091	0.37
Acenaphthylene		0.0096	U	0.0096	0.37
Acetophenone		0.051	J	0.0082	0.37
Anthracene		0.036	U	0.036	0.37
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.029	U	0.029	0.37
Benzo[a]anthracene		0.031	U	0.031	0.037
Benzo[a]pyrene		0.011	U	0.011	0.037
Benzo[b]fluoranthene		0.018	J	0.015	0.037
Benzo[g,h,i]perylene		0.022	U	0.022	0.37
Benzo[k]fluoranthene		0.016	U	0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U *	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0089	U	0.0089	0.037
Bis(2-ethylhexyl) phthalate		0.015	U *	0.015	0.37
Butyl benzyl phthalate		0.012	U *	0.012	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.0093	U	0.0093	0.37
Chrysene		0.010	U	0.010	0.37
Dibenz(a,h)anthracene		0.020	U	0.020	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135415.D
Dilution: 1.0		Initial Weight/Volume: 15.0178 g
Analysis Date: 07/15/2016 0947		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.024	J	0.011	0.37
Di-n-octyl phthalate		0.019	U *	0.019	0.37
Fluoranthene		0.017	J	0.011	0.37
Fluorene		0.0082	U	0.0082	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.011	U	0.011	0.076
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.037
Isophorone		0.0081	U	0.0081	0.15
Naphthalene		0.032	J	0.0095	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		0.013	J	0.010	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.025	J	0.017	0.37
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		33		10 - 95	
2-Fluorobiphenyl		81		27 - 84	
2-Fluorophenol (Surr)		65		21 - 84	
Nitrobenzene-d5 (Surr)		66		28 - 92	
Phenol-d5 (Surr)		64		22 - 88	
Terphenyl-d14 (Surr)		83		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135413.D
Dilution: 1.0		Initial Weight/Volume: 15.0369 g
Analysis Date: 07/15/2016 0856		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.034	U *	0.034	0.40
1,2,4,5-Tetrachlorobenzene		0.030	U	0.030	0.40
2,3,4,6-Tetrachlorophenol		0.037	U F1	0.037	0.40
2,4,5-Trichlorophenol		0.039	U	0.039	0.40
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0094	U	0.0094	0.16
2,4-Dimethylphenol		0.087	U	0.087	0.40
2,4-Dinitrophenol		0.30	U F1	0.30	0.32
2,4-Dinitrotoluene		0.016	U	0.016	0.080
2,6-Dinitrotoluene		0.021	U	0.021	0.080
2-Chloronaphthalene		0.0090	U	0.0090	0.40
2-Chlorophenol		0.010	U	0.010	0.40
2-Methylnaphthalene		0.0088	U	0.0088	0.40
2-Methylphenol		0.017	U	0.017	0.40
2-Nitroaniline		0.013	U	0.013	0.40
2-Nitrophenol		0.013	U	0.013	0.40
3,3'-Dichlorobenzidine		0.044	U	0.044	0.16
3-Nitroaniline		0.012	U	0.012	0.40
4,6-Dinitro-2-methylphenol		0.11	U F1	0.11	0.32
4-Bromophenyl phenyl ether		0.012	U	0.012	0.40
4-Chloro-3-methylphenol		0.017	U	0.017	0.40
4-Chloroaniline		0.010	U	0.010	0.40
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.40
4-Methylphenol		0.011	U	0.011	0.40
4-Nitroaniline		0.015	U	0.015	0.40
4-Nitrophenol		0.19	U	0.19	0.80
Acenaphthene		0.0096	U	0.0096	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acetophenone		0.0086	U	0.0086	0.40
Anthracene		0.038	U	0.038	0.40
Atrazine		0.018	U	0.018	0.16
Benzaldehyde		0.030	U	0.030	0.40
Benzo[a]anthracene		0.033	U	0.033	0.040
Benzo[a]pyrene		0.012	U	0.012	0.040
Benzo[b]fluoranthene		0.015	U	0.015	0.040
Benzo[g,h,i]perylene		0.023	U	0.023	0.40
Benzo[k]fluoranthene		0.017	U	0.017	0.040
bis (2-chloroisopropyl) ether		0.016	U F1 *	0.016	0.40
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.40
Bis(2-chloroethyl)ether		0.0094	U	0.0094	0.040
Bis(2-ethylhexyl) phthalate		0.015	U *	0.015	0.40
Butyl benzyl phthalate		0.042	J *	0.012	0.40
Caprolactam		0.029	U	0.029	0.40
Carbazole		0.0098	U	0.0098	0.40
Chrysene		0.011	U	0.011	0.40
Dibenz(a,h)anthracene		0.021	U	0.021	0.040

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135413.D
Dilution: 1.0		Initial Weight/Volume: 15.0369 g
Analysis Date: 07/15/2016 0856		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.40
Diethyl phthalate		0.011	U	0.011	0.40
Dimethyl phthalate		0.012	U	0.012	0.40
Di-n-butyl phthalate		0.012	U	0.012	0.40
Di-n-octyl phthalate		0.020	U *	0.020	0.40
Fluoranthene		0.012	U	0.012	0.40
Fluorene		0.0086	U	0.0086	0.40
Hexachlorobenzene		0.016	U	0.016	0.040
Hexachlorobutadiene		0.011	U F1	0.011	0.080
Hexachlorocyclopentadiene		0.025	U	0.025	0.40
Hexachloroethane		0.015	U	0.015	0.040
Indeno[1,2,3-cd]pyrene		0.026	U	0.026	0.040
Isophorone		0.016	J	0.0085	0.16
Naphthalene		0.010	U	0.010	0.40
Nitrobenzene		0.012	U	0.012	0.040
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.040
N-Nitrosodiphenylamine		0.036	U	0.036	0.40
Pentachlorophenol		0.048	U F1	0.048	0.32
Phenanthrene		0.011	U	0.011	0.40
Phenol		0.013	U	0.013	0.40
Pyrene		0.018	U	0.018	0.40
Surrogate	%Rec		Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)	26			10 - 95	
2-Fluorobiphenyl	85		X	27 - 84	
2-Fluorophenol (Surr)	70			21 - 84	
Nitrobenzene-d5 (Surr)	70			28 - 92	
Phenol-d5 (Surr)	73			22 - 88	
Terphenyl-d14 (Surr)	90			16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135416.D
Dilution: 1.0		Initial Weight/Volume: 15.0220 g
Analysis Date: 07/15/2016 1013		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.036	U *	0.036	0.42
1,2,4,5-Tetrachlorobenzene		0.031	U	0.031	0.42
2,3,4,6-Tetrachlorophenol		0.040	U	0.040	0.42
2,4,5-Trichlorophenol		0.042	U	0.042	0.42
2,4,6-Trichlorophenol		0.012	U	0.012	0.17
2,4-Dichlorophenol		0.0099	U	0.0099	0.17
2,4-Dimethylphenol		0.092	U	0.092	0.42
2,4-Dinitrophenol		0.32	U	0.32	0.34
2,4-Dinitrotoluene		0.017	U	0.017	0.085
2,6-Dinitrotoluene		0.022	U	0.022	0.085
2-Chloronaphthalene		0.0095	U	0.0095	0.42
2-Chlorophenol		0.011	U	0.011	0.42
2-Methylnaphthalene		0.55		0.0093	0.42
2-Methylphenol		0.018	U	0.018	0.42
2-Nitroaniline		0.014	U	0.014	0.42
2-Nitrophenol		0.014	U	0.014	0.42
3,3'-Dichlorobenzidine		0.047	U	0.047	0.17
3-Nitroaniline		0.012	U	0.012	0.42
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.34
4-Bromophenyl phenyl ether		0.013	U	0.013	0.42
4-Chloro-3-methylphenol		0.018	U	0.018	0.42
4-Chloroaniline		0.011	U	0.011	0.42
4-Chlorophenyl phenyl ether		0.013	U	0.013	0.42
4-Methylphenol		0.011	U	0.011	0.42
4-Nitroaniline		0.016	U	0.016	0.42
4-Nitrophenol		0.20	U	0.20	0.85
Acenaphthene		0.010	U	0.010	0.42
Acenaphthylene		0.011	U	0.011	0.42
Acetophenone		0.049	J	0.0091	0.42
Anthracene		0.040	U	0.040	0.42
Atrazine		0.019	U	0.019	0.17
Benzaldehyde		0.032	U	0.032	0.42
Benzo[a]anthracene		0.035	U	0.035	0.042
Benzo[a]pyrene		0.013	U	0.013	0.042
Benzo[b]fluoranthene		0.016	U	0.016	0.042
Benzo[g,h,i]perylene		0.024	U	0.024	0.42
Benzo[k]fluoranthene		0.018	U	0.018	0.042
bis (2-chloroisopropyl) ether		0.017	U *	0.017	0.42
Bis(2-chloroethoxy)methane		0.013	U	0.013	0.42
Bis(2-chloroethyl)ether		0.0099	U	0.0099	0.042
Bis(2-ethylhexyl) phthalate		0.016	U *	0.016	0.42
Butyl benzyl phthalate		0.013	U *	0.013	0.42
Caprolactam		0.030	U	0.030	0.42
Carbazole		0.010	U	0.010	0.42
Chrysene		0.011	U	0.011	0.42
Dibenz(a,h)anthracene		0.022	U	0.022	0.042

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135416.D
Dilution: 1.0		Initial Weight/Volume: 15.0220 g
Analysis Date: 07/15/2016 1013		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.013	U	0.013	0.42
Diethyl phthalate		0.012	U	0.012	0.42
Dimethyl phthalate		0.012	U	0.012	0.42
Di-n-butyl phthalate		0.041	J	0.013	0.42
Di-n-octyl phthalate		0.021	U *	0.021	0.42
Fluoranthene		0.012	U	0.012	0.42
Fluorene		0.0091	U	0.0091	0.42
Hexachlorobenzene		0.017	U	0.017	0.042
Hexachlorobutadiene		0.012	U	0.012	0.085
Hexachlorocyclopentadiene		0.026	U	0.026	0.42
Hexachloroethane		0.015	U	0.015	0.042
Indeno[1,2,3-cd]pyrene		0.028	U	0.028	0.042
Isophorone		0.0090	U	0.0090	0.17
Naphthalene		0.20	J	0.011	0.42
Nitrobenzene		0.013	U	0.013	0.042
N-Nitrosodi-n-propylamine		0.014	U	0.014	0.042
N-Nitrosodiphenylamine		0.038	U	0.038	0.42
Pentachlorophenol		0.051	U	0.051	0.34
Phenanthrene		0.012	J	0.011	0.42
Phenol		0.014	U	0.014	0.42
Pyrene		0.019	U	0.019	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 95
2-Fluorobiphenyl	81		27 - 84
2-Fluorophenol (Surr)	64		21 - 84
Nitrobenzene-d5 (Surr)	64		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	80		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135417.D
Dilution: 1.0		Initial Weight/Volume: 15.0399 g
Analysis Date: 07/15/2016 1039		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.038	U *	0.038	0.45
1,2,4,5-Tetrachlorobenzene		0.033	U	0.033	0.45
2,3,4,6-Tetrachlorophenol		0.042	U	0.042	0.45
2,4,5-Trichlorophenol		0.045	U	0.045	0.45
2,4,6-Trichlorophenol		0.013	U	0.013	0.18
2,4-Dichlorophenol		0.011	U	0.011	0.18
2,4-Dimethylphenol		0.099	U	0.099	0.45
2,4-Dinitrophenol		0.34	U	0.34	0.36
2,4-Dinitrotoluene		0.018	U	0.018	0.091
2,6-Dinitrotoluene		0.024	U	0.024	0.091
2-Chloronaphthalene		0.010	U	0.010	0.45
2-Chlorophenol		0.011	U	0.011	0.45
2-Methylnaphthalene		2.9		0.0099	0.45
2-Methylphenol		0.020	U	0.020	0.45
2-Nitroaniline		0.015	U	0.015	0.45
2-Nitrophenol		0.015	U	0.015	0.45
3,3'-Dichlorobenzidine		0.050	U	0.050	0.18
3-Nitroaniline		0.013	U	0.013	0.45
4,6-Dinitro-2-methylphenol		0.12	U	0.12	0.36
4-Bromophenyl phenyl ether		0.014	U	0.014	0.45
4-Chloro-3-methylphenol		0.019	U	0.019	0.45
4-Chloroaniline		0.012	U	0.012	0.45
4-Chlorophenyl phenyl ether		0.013	U	0.013	0.45
4-Methylphenol		0.012	U	0.012	0.45
4-Nitroaniline		0.017	U	0.017	0.45
4-Nitrophenol		0.22	U	0.22	0.91
Acenaphthene		0.044	J	0.011	0.45
Acenaphthylene		0.012	U	0.012	0.45
Acetophenone		0.0098	U	0.0098	0.45
Anthracene		0.043	U	0.043	0.45
Atrazine		0.020	U	0.020	0.18
Benzaldehyde		0.034	U	0.034	0.45
Benzo[a]anthracene		0.045		0.037	0.045
Benzo[a]pyrene		0.027	J	0.014	0.045
Benzo[b]fluoranthene		0.017	U	0.017	0.045
Benzo[g,h,i]perylene		0.026	U	0.026	0.45
Benzo[k]fluoranthene		0.020	U	0.020	0.045
bis (2-chloroisopropyl) ether		0.018	U *	0.018	0.45
Bis(2-chloroethoxy)methane		0.014	U	0.014	0.45
Bis(2-chloroethyl)ether		0.011	U	0.011	0.045
Bis(2-ethylhexyl) phthalate		0.61	*	0.017	0.45
Butyl benzyl phthalate		0.014	U *	0.014	0.45
Caprolactam		0.032	U	0.032	0.45
Carbazole		0.011	U	0.011	0.45
Chrysene		0.012	U	0.012	0.45
Dibenz(a,h)anthracene		0.023	U	0.023	0.045

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135417.D
Dilution: 1.0		Initial Weight/Volume: 15.0399 g
Analysis Date: 07/15/2016 1039		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.014	U	0.014	0.45
Diethyl phthalate		0.013	U	0.013	0.45
Dimethyl phthalate		0.013	U	0.013	0.45
Di-n-butyl phthalate		0.030	J	0.013	0.45
Di-n-octyl phthalate		0.023	U *	0.023	0.45
Fluoranthene		0.12	J	0.013	0.45
Fluorene		0.055	J	0.0098	0.45
Hexachlorobenzene		0.018	U	0.018	0.045
Hexachlorobutadiene		0.013	U	0.013	0.091
Hexachlorocyclopentadiene		0.028	U	0.028	0.45
Hexachloroethane		0.016	U	0.016	0.045
Indeno[1,2,3-cd]pyrene		0.030	U	0.030	0.045
Isophorone		0.0096	U	0.0096	0.18
Naphthalene		0.011	U	0.011	0.45
Nitrobenzene		0.014	U	0.014	0.045
N-Nitrosodi-n-propylamine		0.015	U	0.015	0.045
N-Nitrosodiphenylamine		0.041	U	0.041	0.45
Pentachlorophenol		0.054	U	0.054	0.36
Phenanthrene		0.17	J	0.012	0.45
Phenol		0.015	U	0.015	0.45
Pyrene		0.14	J	0.020	0.45

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	42		10 - 95
2-Fluorobiphenyl	82		27 - 84
2-Fluorophenol (Surr)	63		21 - 84
Nitrobenzene-d5 (Surr)	81		28 - 92
Phenol-d5 (Surr)	62		22 - 88
Terphenyl-d14 (Surr)	73		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135418.D
Dilution: 1.0		Initial Weight/Volume: 15.0153 g
Analysis Date: 07/15/2016 1105		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.037	U *	0.037	0.43
1,2,4,5-Tetrachlorobenzene		0.032	U	0.032	0.43
2,3,4,6-Tetrachlorophenol		0.040	U	0.040	0.43
2,4,5-Trichlorophenol		0.043	U	0.043	0.43
2,4,6-Trichlorophenol		0.012	U	0.012	0.17
2,4-Dichlorophenol		0.010	U	0.010	0.17
2,4-Dimethylphenol		0.095	U	0.095	0.43
2,4-Dinitrophenol		0.33	U	0.33	0.35
2,4-Dinitrotoluene		0.017	U	0.017	0.087
2,6-Dinitrotoluene		0.023	U	0.023	0.087
2-Chloronaphthalene		0.0098	U	0.0098	0.43
2-Chlorophenol		0.011	U	0.011	0.43
2-Methylnaphthalene		0.020	J	0.0095	0.43
2-Methylphenol		0.019	U	0.019	0.43
2-Nitroaniline		0.014	U	0.014	0.43
2-Nitrophenol		0.014	U	0.014	0.43
3,3'-Dichlorobenzidine		0.048	U	0.048	0.17
3-Nitroaniline		0.013	U	0.013	0.43
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.35
4-Bromophenyl phenyl ether		0.014	U	0.014	0.43
4-Chloro-3-methylphenol		0.018	U	0.018	0.43
4-Chloroaniline		0.011	U	0.011	0.43
4-Chlorophenyl phenyl ether		0.013	U	0.013	0.43
4-Methylphenol		0.012	U	0.012	0.43
4-Nitroaniline		0.016	U	0.016	0.43
4-Nitrophenol		0.21	U	0.21	0.87
Acenaphthene		0.010	U	0.010	0.43
Acenaphthylene		0.011	U	0.011	0.43
Acetophenone		0.0094	U	0.0094	0.43
Anthracene		0.041	U	0.041	0.43
Atrazine		0.019	U	0.019	0.17
Benzaldehyde		0.033	U	0.033	0.43
Benzo[a]anthracene		0.064		0.036	0.043
Benzo[a]pyrene		0.060		0.013	0.043
Benzo[b]fluoranthene		0.069		0.017	0.043
Benzo[g,h,i]perylene		0.050	J	0.025	0.43
Benzo[k]fluoranthene		0.025	J	0.019	0.043
bis (2-chloroisopropyl) ether		0.018	U *	0.018	0.43
Bis(2-chloroethoxy)methane		0.013	U	0.013	0.43
Bis(2-chloroethyl)ether		0.010	U	0.010	0.043
Bis(2-ethylhexyl) phthalate		0.099	J *	0.017	0.43
Butyl benzyl phthalate		0.013	U *	0.013	0.43
Caprolactam		0.031	U	0.031	0.43
Carbazole		0.011	U	0.011	0.43
Chrysene		0.073	J	0.012	0.43
Dibenz(a,h)anthracene		0.022	U	0.022	0.043

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135418.D
Dilution: 1.0		Initial Weight/Volume: 15.0153 g
Analysis Date: 07/15/2016 1105		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.013	U	0.013	0.43
Diethyl phthalate		0.012	U	0.012	0.43
Dimethyl phthalate		0.012	U	0.012	0.43
Di-n-butyl phthalate		0.017	J	0.013	0.43
Di-n-octyl phthalate		0.022	U *	0.022	0.43
Fluoranthene		0.095	J	0.013	0.43
Fluorene		0.0094	U	0.0094	0.43
Hexachlorobenzene		0.017	U	0.017	0.043
Hexachlorobutadiene		0.012	U	0.012	0.087
Hexachlorocyclopentadiene		0.027	U	0.027	0.43
Hexachloroethane		0.016	U	0.016	0.043
Indeno[1,2,3-cd]pyrene		0.047		0.029	0.043
Isophorone		0.055	J	0.0092	0.17
Naphthalene		0.011	U	0.011	0.43
Nitrobenzene		0.014	U	0.014	0.043
N-Nitrosodi-n-propylamine		0.014	U	0.014	0.043
N-Nitrosodiphenylamine		0.039	U	0.039	0.43
Pentachlorophenol		0.052	U	0.052	0.35
Phenanthrene		0.058	J	0.011	0.43
Phenol		0.014	U	0.014	0.43
Pyrene		0.13	J	0.020	0.43

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	17		10 - 95
2-Fluorobiphenyl	82		27 - 84
2-Fluorophenol (Surr)	66		21 - 84
Nitrobenzene-d5 (Surr)	67		28 - 92
Phenol-d5 (Surr)	66		22 - 88
Terphenyl-d14 (Surr)	80		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135427.D
Dilution: 1.0		Initial Weight/Volume: 15.0068 g
Analysis Date: 07/15/2016 1458		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.036	U *	0.036	0.42
1,2,4,5-Tetrachlorobenzene		0.032	U	0.032	0.42
2,3,4,6-Tetrachlorophenol		0.040	U	0.040	0.42
2,4,5-Trichlorophenol		0.042	U	0.042	0.42
2,4,6-Trichlorophenol		0.012	U	0.012	0.17
2,4-Dichlorophenol		0.010	U	0.010	0.17
2,4-Dimethylphenol		0.093	U	0.093	0.42
2,4-Dinitrophenol		0.32	U	0.32	0.34
2,4-Dinitrotoluene		0.017	U	0.017	0.086
2,6-Dinitrotoluene		0.023	U	0.023	0.086
2-Chloronaphthalene		0.0096	U	0.0096	0.42
2-Chlorophenol		0.011	U	0.011	0.42
2-Methylnaphthalene		0.0094	U	0.0094	0.42
2-Methylphenol		0.019	U	0.019	0.42
2-Nitroaniline		0.014	U	0.014	0.42
2-Nitrophenol		0.014	U	0.014	0.42
3,3'-Dichlorobenzidine		0.047	U	0.047	0.17
3-Nitroaniline		0.013	U	0.013	0.42
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.34
4-Bromophenyl phenyl ether		0.013	U	0.013	0.42
4-Chloro-3-methylphenol		0.018	U	0.018	0.42
4-Chloroaniline		0.011	U	0.011	0.42
4-Chlorophenyl phenyl ether		0.013	U	0.013	0.42
4-Methylphenol		0.012	U	0.012	0.42
4-Nitroaniline		0.016	U	0.016	0.42
4-Nitrophenol		0.20	U	0.20	0.86
Acenaphthene		0.010	U	0.010	0.42
Acenaphthylene		0.011	U	0.011	0.42
Acetophenone		0.0093	U	0.0093	0.42
Anthracene		0.095	J	0.040	0.42
Atrazine		0.019	U	0.019	0.17
Benzaldehyde		0.032	U	0.032	0.42
Benzo[a]anthracene		0.23		0.035	0.042
Benzo[a]pyrene		0.20		0.013	0.042
Benzo[b]fluoranthene		0.23		0.017	0.042
Benzo[g,h,i]perylene		0.12	J	0.024	0.42
Benzo[k]fluoranthene		0.095		0.019	0.042
bis (2-chloroisopropyl) ether		0.017	U *	0.017	0.42
Bis(2-chloroethoxy)methane		0.013	U	0.013	0.42
Bis(2-chloroethyl)ether		0.010	U	0.010	0.042
Bis(2-ethylhexyl) phthalate		0.017	U *	0.017	0.42
Butyl benzyl phthalate		0.013	U *	0.013	0.42
Caprolactam		0.031	U	0.031	0.42
Carbazole		0.011	U	0.011	0.42
Chrysene		0.36	J	0.012	0.42
Dibenz(a,h)anthracene		0.038	J	0.022	0.042

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Prep Method: 3546	Prep Batch: 460-379075	Lab File ID: L135427.D
Dilution: 1.0		Initial Weight/Volume: 15.0068 g
Analysis Date: 07/15/2016 1458		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.013	U	0.013	0.42
Diethyl phthalate		0.012	U	0.012	0.42
Dimethyl phthalate		0.012	U	0.012	0.42
Di-n-butyl phthalate		0.013	U	0.013	0.42
Di-n-octyl phthalate		0.022	U *	0.022	0.42
Fluoranthene		0.43		0.013	0.42
Fluorene		0.0093	U	0.0093	0.42
Hexachlorobenzene		0.017	U	0.017	0.042
Hexachlorobutadiene		0.012	U	0.012	0.086
Hexachlorocyclopentadiene		0.026	U	0.026	0.42
Hexachloroethane		0.016	U	0.016	0.042
Indeno[1,2,3-cd]pyrene		0.12		0.028	0.042
Isophorone		0.0099	J	0.0091	0.17
Naphthalene		0.011	U	0.011	0.42
Nitrobenzene		0.013	U	0.013	0.042
N-Nitrosodi-n-propylamine		0.014	U	0.014	0.042
N-Nitrosodiphenylamine		0.039	U	0.039	0.42
Pentachlorophenol		0.051	U	0.051	0.34
Phenanthrene		0.24	J	0.011	0.42
Phenol		0.014	U	0.014	0.42
Pyrene		0.48		0.019	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	8	X	10 - 95
2-Fluorobiphenyl	89	X	27 - 84
2-Fluorophenol (Surr)	67		21 - 84
Nitrobenzene-d5 (Surr)	69		28 - 92
Phenol-d5 (Surr)	67		22 - 88
Terphenyl-d14 (Surr)	63		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379270	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15982.D
Dilution: 5.0		Initial Weight/Volume: 15.0462 g
Analysis Date: 07/15/2016 2027		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.16	U	0.16	1.9
1,2,4,5-Tetrachlorobenzene		0.14	U	0.14	1.9
2,3,4,6-Tetrachlorophenol		0.18	U	0.18	1.9
2,4,5-Trichlorophenol		0.19	U	0.19	1.9
2,4,6-Trichlorophenol		0.055	U	0.055	0.78
2,4-Dichlorophenol		0.046	U	0.046	0.78
2,4-Dimethylphenol		0.43	U	0.43	1.9
2,4-Dinitrophenol		1.5	U	1.5	1.6
2,4-Dinitrotoluene		0.077	U	0.077	0.39
2,6-Dinitrotoluene		0.10	U	0.10	0.39
2-Chloronaphthalene		0.044	U	0.044	1.9
2-Chlorophenol		0.049	U	0.049	1.9
2-Methylnaphthalene		0.043	U	0.043	1.9
2-Methylphenol		0.084	U	0.084	1.9
2-Nitroaniline		0.064	U	0.064	1.9
2-Nitrophenol		0.065	U	0.065	1.9
3,3'-Dichlorobenzidine		0.22	U	0.22	0.78
3-Nitroaniline		0.057	U	0.057	1.9
4,6-Dinitro-2-methylphenol		0.52	U	0.52	1.6
4-Bromophenyl phenyl ether		0.061	U	0.061	1.9
4-Chloro-3-methylphenol		0.083	U	0.083	1.9
4-Chloroaniline		0.050	U	0.050	1.9
4-Chlorophenyl phenyl ether		0.058	U	0.058	1.9
4-Methylphenol		0.053	U	0.053	1.9
4-Nitroaniline		0.073	U	0.073	1.9
4-Nitrophenol		0.93	U	0.93	3.9
Acenaphthene		0.047	U	0.047	1.9
Acenaphthylene		0.050	U	0.050	1.9
Acetophenone		0.042	U	0.042	1.9
Anthracene		0.18	U	0.18	1.9
Atrazine		0.086	U	0.086	0.78
Benzaldehyde		0.15	U	0.15	1.9
Benzo[a]anthracene		0.16	U	0.16	0.19
Benzo[a]pyrene		0.058	U	0.058	0.19
Benzo[b]fluoranthene		0.075	U	0.075	0.19
Benzo[g,h,i]perylene		0.11	U	0.11	1.9
Benzo[k]fluoranthene		0.084	U	0.084	0.19
bis (2-chloroisopropyl) ether		0.080	U	0.080	1.9
Bis(2-chloroethoxy)methane		0.060	U	0.060	1.9
Bis(2-chloroethyl)ether		0.046	U	0.046	0.19
Bis(2-ethylhexyl) phthalate		0.28	J	0.075	1.9
Butyl benzyl phthalate		0.060	U	0.060	1.9
Caprolactam		0.14	U	0.14	1.9
Carbazole		0.048	U	0.048	1.9
Chrysene		0.053	U	0.053	1.9
Dibenz(a,h)anthracene		0.10	U	0.10	0.19

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379270	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15982.D
Dilution: 5.0		Initial Weight/Volume: 15.0462 g
Analysis Date: 07/15/2016 2027		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.058	U	0.058	1.9
Diethyl phthalate		0.055	U	0.055	1.9
Dimethyl phthalate		0.056	U	0.056	1.9
Di-n-butyl phthalate		0.058	U	0.058	1.9
Di-n-octyl phthalate		0.098	U	0.098	1.9
Fluoranthene		0.069	J	0.057	1.9
Fluorene		0.042	U	0.042	1.9
Hexachlorobenzene		0.078	U	0.078	0.19
Hexachlorobutadiene		0.054	U	0.054	0.39
Hexachlorocyclopentadiene		0.12	U	0.12	1.9
Hexachloroethane		0.071	U	0.071	0.19
Indeno[1,2,3-cd]pyrene		0.13	U	0.13	0.19
Isophorone		6.1		0.042	0.78
Naphthalene		0.077	J	0.049	1.9
Nitrobenzene		0.061	U	0.061	0.19
N-Nitrosodi-n-propylamine		0.065	U	0.065	0.19
N-Nitrosodiphenylamine		0.18	U	0.18	1.9
Pentachlorophenol		0.23	U	0.23	1.6
Phenanthrene		0.056	J	0.051	1.9
Phenol		0.063	U	0.063	1.9
Pyrene		0.088	U	0.088	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	1	X	10 - 95
2-Fluorobiphenyl	74		27 - 84
2-Fluorophenol (Surr)	18	X	21 - 84
Nitrobenzene-d5 (Surr)	75		28 - 92
Phenol-d5 (Surr)	44		22 - 88
Terphenyl-d14 (Surr)	75		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15949.D
Dilution: 1.0		Initial Weight/Volume: 15.0388 g
Analysis Date: 07/15/2016 0643		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.034	U	0.034	0.40
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.40
2,3,4,6-Tetrachlorophenol		0.037	U	0.037	0.40
2,4,5-Trichlorophenol		0.039	U	0.039	0.40
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0093	U	0.0093	0.16
2,4-Dimethylphenol		0.087	U	0.087	0.40
2,4-Dinitrophenol		0.30	U	0.30	0.32
2,4-Dinitrotoluene		0.016	U	0.016	0.080
2,6-Dinitrotoluene		0.021	U	0.021	0.080
2-Chloronaphthalene		0.0090	U	0.0090	0.40
2-Chlorophenol		0.010	U	0.010	0.40
2-Methylnaphthalene		0.017	J	0.0087	0.40
2-Methylphenol		0.017	U	0.017	0.40
2-Nitroaniline		0.013	U	0.013	0.40
2-Nitrophenol		0.013	U	0.013	0.40
3,3'-Dichlorobenzidine		0.044	U	0.044	0.16
3-Nitroaniline		0.012	U	0.012	0.40
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.32
4-Bromophenyl phenyl ether		0.012	U	0.012	0.40
4-Chloro-3-methylphenol		0.017	U	0.017	0.40
4-Chloroaniline		0.010	U	0.010	0.40
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.40
4-Methylphenol		0.011	U	0.011	0.40
4-Nitroaniline		0.015	U	0.015	0.40
4-Nitrophenol		0.19	U	0.19	0.80
Acenaphthene		0.0096	U	0.0096	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acetophenone		0.0086	U	0.0086	0.40
Anthracene		0.038	U	0.038	0.40
Atrazine		0.018	U	0.018	0.16
Benzaldehyde		0.030	U	0.030	0.40
Benzo[a]anthracene		0.033	U	0.033	0.040
Benzo[a]pyrene		0.012	U	0.012	0.040
Benzo[b]fluoranthene		0.017	J	0.015	0.040
Benzo[g,h,i]perylene		0.023	U	0.023	0.40
Benzo[k]fluoranthene		0.017	U	0.017	0.040
bis (2-chloroisopropyl) ether		0.016	U	0.016	0.40
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.40
Bis(2-chloroethyl)ether		0.0093	U	0.0093	0.040
Bis(2-ethylhexyl) phthalate		0.24	J	0.015	0.40
Butyl benzyl phthalate		0.012	U	0.012	0.40
Caprolactam		0.029	U	0.029	0.40
Carbazole		0.0098	U	0.0098	0.40
Chrysene		0.017	J	0.011	0.40
Dibenz(a,h)anthracene		0.021	U	0.021	0.040

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15949.D
Dilution: 1.0		Initial Weight/Volume: 15.0388 g
Analysis Date: 07/15/2016 0643		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.40
Diethyl phthalate		0.011	U	0.011	0.40
Dimethyl phthalate		0.012	U	0.012	0.40
Di-n-butyl phthalate		0.042	J	0.012	0.40
Di-n-octyl phthalate		0.020	U	0.020	0.40
Fluoranthene		0.020	J	0.012	0.40
Fluorene		0.0086	U	0.0086	0.40
Hexachlorobenzene		0.016	U	0.016	0.040
Hexachlorobutadiene		0.011	U	0.011	0.080
Hexachlorocyclopentadiene		0.025	U	0.025	0.40
Hexachloroethane		0.014	U	0.014	0.040
Indeno[1,2,3-cd]pyrene		0.026	U	0.026	0.040
Isophorone		0.0085	U	0.0085	0.16
Naphthalene		0.031	J	0.010	0.40
Nitrobenzene		0.012	U	0.012	0.040
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.040
N-Nitrosodiphenylamine		0.036	U	0.036	0.40
Pentachlorophenol		0.048	U	0.048	0.32
Phenanthrene		0.030	J	0.011	0.40
Phenol		0.013	U	0.013	0.40
Pyrene		0.023	J	0.018	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		47		10 - 95	
2-Fluorobiphenyl		74		27 - 84	
2-Fluorophenol (Surr)		64		21 - 84	
Nitrobenzene-d5 (Surr)		74		28 - 92	
Phenol-d5 (Surr)		69		22 - 88	
Terphenyl-d14 (Surr)		85		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15950.D
Dilution: 1.0		Initial Weight/Volume: 15.0265 g
Analysis Date: 07/15/2016 0707		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0088	U	0.0088	0.15
2,4-Dimethylphenol		0.082	U	0.082	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.076
2,6-Dinitrotoluene		0.020	U	0.020	0.076
2-Chloronaphthalene		0.0085	U	0.0085	0.37
2-Chlorophenol		0.0095	U	0.0095	0.37
2-Methylnaphthalene		0.0082	U	0.0082	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.013	U	0.013	0.37
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0096	U	0.0096	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.76
Acenaphthene		0.0090	U	0.0090	0.37
Acenaphthylene		0.0096	U	0.0096	0.37
Acetophenone		0.0081	U	0.0081	0.37
Anthracene		0.035	U	0.035	0.37
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.028	U	0.028	0.37
Benzo[a]anthracene		0.031	U	0.031	0.037
Benzo[a]pyrene		0.011	U	0.011	0.037
Benzo[b]fluoranthene		0.015	U	0.015	0.037
Benzo[g,h,i]perylene		0.021	U	0.021	0.37
Benzo[k]fluoranthene		0.016	U	0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0088	U	0.0088	0.037
Bis(2-ethylhexyl) phthalate		0.067	J	0.015	0.37
Butyl benzyl phthalate		0.012	U	0.012	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.0093	U	0.0093	0.37
Chrysene		0.010	U	0.010	0.37
Dibenz(a,h)anthracene		0.019	U	0.019	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15950.D
Dilution: 1.0		Initial Weight/Volume: 15.0265 g
Analysis Date: 07/15/2016 0707		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.043	J	0.011	0.37
Di-n-octyl phthalate		0.022	J	0.019	0.37
Fluoranthene		0.011	U	0.011	0.37
Fluorene		0.0081	U	0.0081	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.011	U	0.011	0.076
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.037
Isophorone		0.031	J	0.0080	0.15
Naphthalene		0.0095	U	0.0095	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		0.0099	U	0.0099	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.017	U	0.017	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	52		10 - 95
2-Fluorobiphenyl	76		27 - 84
2-Fluorophenol (Surr)	67		21 - 84
Nitrobenzene-d5 (Surr)	75		28 - 92
Phenol-d5 (Surr)	72		22 - 88
Terphenyl-d14 (Surr)	86		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15951.D
Dilution: 1.0		Initial Weight/Volume: 15.0448 g
Analysis Date: 07/15/2016 0731		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.033	U	0.033	0.39
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.39
2,3,4,6-Tetrachlorophenol		0.037	U	0.037	0.39
2,4,5-Trichlorophenol		0.039	U	0.039	0.39
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0092	U	0.0092	0.16
2,4-Dimethylphenol		0.086	U	0.086	0.39
2,4-Dinitrophenol		0.29	U	0.29	0.31
2,4-Dinitrotoluene		0.015	U	0.015	0.079
2,6-Dinitrotoluene		0.021	U	0.021	0.079
2-Chloronaphthalene		0.0088	U	0.0088	0.39
2-Chlorophenol		0.0099	U	0.0099	0.39
2-Methylnaphthalene		0.013	J	0.0086	0.39
2-Methylphenol		0.017	U	0.017	0.39
2-Nitroaniline		0.013	U	0.013	0.39
2-Nitrophenol		0.013	U	0.013	0.39
3,3'-Dichlorobenzidine		0.043	U	0.043	0.16
3-Nitroaniline		0.012	U	0.012	0.39
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.31
4-Bromophenyl phenyl ether		0.012	U	0.012	0.39
4-Chloro-3-methylphenol		0.017	U	0.017	0.39
4-Chloroaniline		0.010	U	0.010	0.39
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.39
4-Methylphenol		0.011	U	0.011	0.39
4-Nitroaniline		0.015	U	0.015	0.39
4-Nitrophenol		0.19	U	0.19	0.79
Acenaphthene		0.0094	U	0.0094	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acetophenone		0.0085	U	0.0085	0.39
Anthracene		0.037	U	0.037	0.39
Atrazine		0.017	U	0.017	0.16
Benzaldehyde		0.030	U	0.030	0.39
Benzo[a]anthracene		0.032	U	0.032	0.039
Benzo[a]pyrene		0.012	U	0.012	0.039
Benzo[b]fluoranthene		0.015	U	0.015	0.039
Benzo[g,h,i]perylene		0.022	U	0.022	0.39
Benzo[k]fluoranthene		0.017	U	0.017	0.039
bis (2-chloroisopropyl) ether		0.016	U	0.016	0.39
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.39
Bis(2-chloroethyl)ether		0.0092	U	0.0092	0.039
Bis(2-ethylhexyl) phthalate		0.026	J	0.015	0.39
Butyl benzyl phthalate		0.012	U	0.012	0.39
Caprolactam		0.028	U	0.028	0.39
Carbazole		0.0097	U	0.0097	0.39
Chrysene		0.017	J	0.011	0.39
Dibenz(a,h)anthracene		0.020	U	0.020	0.039

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15951.D
Dilution: 1.0		Initial Weight/Volume: 15.0448 g
Analysis Date: 07/15/2016 0731		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.39
Diethyl phthalate		0.011	U	0.011	0.39
Dimethyl phthalate		0.011	U	0.011	0.39
Di-n-butyl phthalate		0.023	J	0.012	0.39
Di-n-octyl phthalate		0.020	U	0.020	0.39
Fluoranthene		0.059	J	0.012	0.39
Fluorene		0.0085	U	0.0085	0.39
Hexachlorobenzene		0.016	U	0.016	0.039
Hexachlorobutadiene		0.011	U	0.011	0.079
Hexachlorocyclopentadiene		0.024	U	0.024	0.39
Hexachloroethane		0.014	U	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.026	U	0.026	0.039
Isophorone		1.2		0.0084	0.16
Naphthalene		0.029	J	0.0099	0.39
Nitrobenzene		0.012	U	0.012	0.039
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.039
N-Nitrosodiphenylamine		0.035	U	0.035	0.39
Pentachlorophenol		0.047	U	0.047	0.31
Phenanthrene		0.060	J	0.010	0.39
Phenol		0.013	U	0.013	0.39
Pyrene		0.059	J	0.018	0.39
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		14		10 - 95	
2-Fluorobiphenyl		72		27 - 84	
2-Fluorophenol (Surr)		42		21 - 84	
Nitrobenzene-d5 (Surr)		78		28 - 92	
Phenol-d5 (Surr)		58		22 - 88	
Terphenyl-d14 (Surr)		76		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15952.D
Dilution: 1.0		Initial Weight/Volume: 15.0298 g
Analysis Date: 07/15/2016 0755		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U	0.032	0.38
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.38
2,3,4,6-Tetrachlorophenol		0.036	U	0.036	0.38
2,4,5-Trichlorophenol		0.038	U	0.038	0.38
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0089	U	0.0089	0.15
2,4-Dimethylphenol		0.083	U	0.083	0.38
2,4-Dinitrophenol		0.29	U	0.29	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.077
2,6-Dinitrotoluene		0.020	U	0.020	0.077
2-Chloronaphthalene		0.0086	U	0.0086	0.38
2-Chlorophenol		0.0096	U	0.0096	0.38
2-Methylnaphthalene		0.0083	U	0.0083	0.38
2-Methylphenol		0.016	U	0.016	0.38
2-Nitroaniline		0.012	U	0.012	0.38
2-Nitrophenol		0.013	U	0.013	0.38
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.38
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.38
4-Chloro-3-methylphenol		0.016	U	0.016	0.38
4-Chloroaniline		0.0097	U	0.0097	0.38
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.38
4-Methylphenol		0.010	U	0.010	0.38
4-Nitroaniline		0.014	U	0.014	0.38
4-Nitrophenol		0.18	U	0.18	0.77
Acenaphthene		0.0091	U	0.0091	0.38
Acenaphthylene		0.0097	U	0.0097	0.38
Acetophenone		0.0082	U	0.0082	0.38
Anthracene		0.036	U	0.036	0.38
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.029	U	0.029	0.38
Benzo[a]anthracene		0.032	U	0.032	0.038
Benzo[a]pyrene		0.016	J	0.011	0.038
Benzo[b]fluoranthene		0.028	J	0.015	0.038
Benzo[g,h,i]perylene		0.022	U	0.022	0.38
Benzo[k]fluoranthene		0.016	U	0.016	0.038
bis (2-chloroisopropyl) ether		0.016	U	0.016	0.38
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.38
Bis(2-chloroethyl)ether		0.0089	U	0.0089	0.038
Bis(2-ethylhexyl) phthalate		0.026	J	0.015	0.38
Butyl benzyl phthalate		0.42		0.012	0.38
Caprolactam		0.027	U	0.027	0.38
Carbazole		0.0094	U	0.0094	0.38
Chrysene		0.023	J	0.010	0.38
Dibenz(a,h)anthracene		0.020	U	0.020	0.038

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379071	Lab File ID: x15952.D
Dilution: 1.0		Initial Weight/Volume: 15.0298 g
Analysis Date: 07/15/2016 0755		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.38
Diethyl phthalate		0.011	U	0.011	0.38
Dimethyl phthalate		0.011	U	0.011	0.38
Di-n-butyl phthalate		0.043	J	0.011	0.38
Di-n-octyl phthalate		0.019	U	0.019	0.38
Fluoranthene		0.030	J	0.011	0.38
Fluorene		0.0082	U	0.0082	0.38
Hexachlorobenzene		0.015	U	0.015	0.038
Hexachlorobutadiene		0.011	U	0.011	0.077
Hexachlorocyclopentadiene		0.024	U	0.024	0.38
Hexachloroethane		0.014	U	0.014	0.038
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.038
Isophorone		0.0081	U	0.0081	0.15
Naphthalene		0.0096	U	0.0096	0.38
Nitrobenzene		0.012	U	0.012	0.038
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.038
N-Nitrosodiphenylamine		0.034	U	0.034	0.38
Pentachlorophenol		0.046	U	0.046	0.30
Phenanthrene		0.020	J	0.010	0.38
Phenol		0.012	U	0.012	0.38
Pyrene		0.035	J	0.017	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	50		10 - 95
2-Fluorobiphenyl	81		27 - 84
2-Fluorophenol (Surr)	71		21 - 84
Nitrobenzene-d5 (Surr)	81		28 - 92
Phenol-d5 (Surr)	78		22 - 88
Terphenyl-d14 (Surr)	93		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16088.D
Dilution: 1.0		Initial Weight/Volume: 15.0069 g
Analysis Date: 07/19/2016 0704		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.035	U	0.035	0.40
1,2,4,5-Tetrachlorobenzene		0.030	U	0.030	0.40
2,3,4,6-Tetrachlorophenol		0.038	U	0.038	0.40
2,4,5-Trichlorophenol		0.040	U	0.040	0.40
2,4,6-Trichlorophenol		0.012	U	0.012	0.16
2,4-Dichlorophenol		0.0096	U	0.0096	0.16
2,4-Dimethylphenol		0.089	U	0.089	0.40
2,4-Dinitrophenol		0.31	U	0.31	0.33
2,4-Dinitrotoluene		0.016	U	0.016	0.082
2,6-Dinitrotoluene		0.022	U	0.022	0.082
2-Chloronaphthalene		0.0092	U	0.0092	0.40
2-Chlorophenol		0.010	U	0.010	0.40
2-Methylnaphthalene		0.032	J	0.0090	0.40
2-Methylphenol		0.018	U	0.018	0.40
2-Nitroaniline		0.013	U	0.013	0.40
2-Nitrophenol		0.014	U	0.014	0.40
3,3'-Dichlorobenzidine		0.045	U	0.045	0.16
3-Nitroaniline		0.012	U	0.012	0.40
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.33
4-Bromophenyl phenyl ether		0.013	U	0.013	0.40
4-Chloro-3-methylphenol		0.017	U	0.017	0.40
4-Chloroaniline		0.010	U	0.010	0.40
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.40
4-Methylphenol		0.011	U	0.011	0.40
4-Nitroaniline		0.015	U	0.015	0.40
4-Nitrophenol		0.20	U	0.20	0.82
Acenaphthene		0.0098	U	0.0098	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acetophenone		0.0088	U	0.0088	0.40
Anthracene		0.039	U	0.039	0.40
Atrazine		0.018	U	0.018	0.16
Benzaldehyde		0.031	U	0.031	0.40
Benzo[a]anthracene		0.034	U	0.034	0.040
Benzo[a]pyrene		0.013	J	0.012	0.040
Benzo[b]fluoranthene		0.031	J	0.016	0.040
Benzo[g,h,i]perylene		0.023	U	0.023	0.40
Benzo[k]fluoranthene		0.018	U	0.018	0.040
bis (2-chloroisopropyl) ether		0.017	U	0.017	0.40
Bis(2-chloroethoxy)methane		0.013	U	0.013	0.40
Bis(2-chloroethyl)ether		0.0096	U	0.0096	0.040
Bis(2-ethylhexyl) phthalate		0.11	J	0.016	0.40
Butyl benzyl phthalate		0.013	J	0.013	0.40
Caprolactam		0.029	U	0.029	0.40
Carbazole		0.010	U	0.010	0.40
Chrysene		0.054	J	0.011	0.40
Dibenz(a,h)anthracene		0.021	U	0.021	0.040

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16088.D
Dilution: 1.0		Initial Weight/Volume: 15.0069 g
Analysis Date: 07/19/2016 0704		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.40
Diethyl phthalate		0.012	U	0.012	0.40
Dimethyl phthalate		0.012	U	0.012	0.40
Di-n-butyl phthalate		0.020	J	0.012	0.40
Di-n-octyl phthalate		0.021	U	0.021	0.40
Fluoranthene		0.045	J	0.012	0.40
Fluorene		0.0088	U	0.0088	0.40
Hexachlorobenzene		0.016	U	0.016	0.040
Hexachlorobutadiene		0.011	U	0.011	0.082
Hexachlorocyclopentadiene		0.025	U	0.025	0.40
Hexachloroethane		0.015	U	0.015	0.040
Indeno[1,2,3-cd]pyrene		0.027	U	0.027	0.040
Isophorone		0.0087	U	0.0087	0.16
Naphthalene		0.075	J	0.010	0.40
Nitrobenzene		0.013	U	0.013	0.040
N-Nitrosodi-n-propylamine		0.014	U	0.014	0.040
N-Nitrosodiphenylamine		0.037	U	0.037	0.40
Pentachlorophenol		0.049	U	0.049	0.33
Phenanthrene		0.058	J	0.011	0.40
Phenol		0.013	U	0.013	0.40
Pyrene		0.039	J	0.018	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	37		10 - 95
2-Fluorobiphenyl	63		27 - 84
2-Fluorophenol (Surr)	53		21 - 84
Nitrobenzene-d5 (Surr)	68		28 - 92
Phenol-d5 (Surr)	57		22 - 88
Terphenyl-d14 (Surr)	65		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16108.D
Dilution: 1.0		Initial Weight/Volume: 15.0114 g
Analysis Date: 07/19/2016 1514		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.034	U	0.034	0.40
1,2,4,5-Tetrachlorobenzene		0.030	U	0.030	0.40
2,3,4,6-Tetrachlorophenol		0.038	U	0.038	0.40
2,4,5-Trichlorophenol		0.040	U	0.040	0.40
2,4,6-Trichlorophenol		0.011	U	0.011	0.16
2,4-Dichlorophenol		0.0095	U	0.0095	0.16
2,4-Dimethylphenol		0.088	U	0.088	0.40
2,4-Dinitrophenol		0.30	U	0.30	0.32
2,4-Dinitrotoluene		0.016	U	0.016	0.081
2,6-Dinitrotoluene		0.021	U	0.021	0.081
2-Chloronaphthalene		0.0091	U	0.0091	0.40
2-Chlorophenol		0.010	U	0.010	0.40
2-Methylnaphthalene		0.0088	U	0.0088	0.40
2-Methylphenol		0.017	U	0.017	0.40
2-Nitroaniline		0.013	U	0.013	0.40
2-Nitrophenol		0.013	U	0.013	0.40
3,3'-Dichlorobenzidine		0.045	U	0.045	0.16
3-Nitroaniline		0.012	U	0.012	0.40
4,6-Dinitro-2-methylphenol		0.11	U	0.11	0.32
4-Bromophenyl phenyl ether		0.013	U	0.013	0.40
4-Chloro-3-methylphenol		0.017	U	0.017	0.40
4-Chloroaniline		0.010	U	0.010	0.40
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.40
4-Methylphenol		0.011	U	0.011	0.40
4-Nitroaniline		0.015	U	0.015	0.40
4-Nitrophenol		0.19	U	0.19	0.81
Acenaphthene		0.0097	U	0.0097	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acetophenone		0.0087	U	0.0087	0.40
Anthracene		0.038	U	0.038	0.40
Atrazine		0.018	U	0.018	0.16
Benzaldehyde		0.031	U	0.031	0.40
Benzo[a]anthracene		0.033	U	0.033	0.040
Benzo[a]pyrene		0.012	U	0.012	0.040
Benzo[b]fluoranthene		0.016	J	0.016	0.040
Benzo[g,h,i]perylene		0.023	U	0.023	0.40
Benzo[k]fluoranthene		0.017	U	0.017	0.040
bis (2-chloroisopropyl) ether		0.016	U	0.016	0.40
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.40
Bis(2-chloroethyl)ether		0.0095	U	0.0095	0.040
Bis(2-ethylhexyl) phthalate		0.050	J	0.016	0.40
Butyl benzyl phthalate		0.012	U	0.012	0.40
Caprolactam		0.029	U	0.029	0.40
Carbazole		0.0099	U	0.0099	0.40
Chrysene		0.017	J	0.011	0.40
Dibenz(a,h)anthracene		0.021	U	0.021	0.040

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16108.D
Dilution: 1.0		Initial Weight/Volume: 15.0114 g
Analysis Date: 07/19/2016 1514		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.40
Diethyl phthalate		0.011	U	0.011	0.40
Dimethyl phthalate		0.012	U	0.012	0.40
Di-n-butyl phthalate		0.012	U	0.012	0.40
Di-n-octyl phthalate		0.020	U	0.020	0.40
Fluoranthene		0.024	J	0.012	0.40
Fluorene		0.0087	U	0.0087	0.40
Hexachlorobenzene		0.016	U	0.016	0.040
Hexachlorobutadiene		0.011	U	0.011	0.081
Hexachlorocyclopentadiene		0.025	U	0.025	0.40
Hexachloroethane		0.015	U	0.015	0.040
Indeno[1,2,3-cd]pyrene		0.027	U	0.027	0.040
Isophorone		0.0086	U	0.0086	0.16
Naphthalene		0.010	U	0.010	0.40
Nitrobenzene		0.013	U	0.013	0.040
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.040
N-Nitrosodiphenylamine		0.036	U	0.036	0.40
Pentachlorophenol		0.048	U	0.048	0.32
Phenanthrene		0.017	J	0.011	0.40
Phenol		0.013	U	0.013	0.40
Pyrene		0.021	J	0.018	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	41		10 - 95
2-Fluorobiphenyl	67		27 - 84
2-Fluorophenol (Surr)	56		21 - 84
Nitrobenzene-d5 (Surr)	66		28 - 92
Phenol-d5 (Surr)	55		22 - 88
Terphenyl-d14 (Surr)	60		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16089.D
Dilution: 1.0		Initial Weight/Volume: 15.0513 g
Analysis Date: 07/19/2016 0728		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.031	U	0.031	0.36
1,2,4,5-Tetrachlorobenzene		0.027	U	0.027	0.36
2,3,4,6-Tetrachlorophenol		0.034	U	0.034	0.36
2,4,5-Trichlorophenol		0.036	U	0.036	0.36
2,4,6-Trichlorophenol		0.010	U	0.010	0.15
2,4-Dichlorophenol		0.0086	U	0.0086	0.15
2,4-Dimethylphenol		0.080	U	0.080	0.36
2,4-Dinitrophenol		0.28	U	0.28	0.29
2,4-Dinitrotoluene		0.014	U	0.014	0.074
2,6-Dinitrotoluene		0.019	U	0.019	0.074
2-Chloronaphthalene		0.0083	U	0.0083	0.36
2-Chlorophenol		0.0093	U	0.0093	0.36
2-Methylnaphthalene		0.0080	U	0.0080	0.36
2-Methylphenol		0.016	U	0.016	0.36
2-Nitroaniline		0.012	U	0.012	0.36
2-Nitrophenol		0.012	U	0.012	0.36
3,3'-Dichlorobenzidine		0.041	U	0.041	0.15
3-Nitroaniline		0.011	U	0.011	0.36
4,6-Dinitro-2-methylphenol		0.097	U	0.097	0.29
4-Bromophenyl phenyl ether		0.011	U	0.011	0.36
4-Chloro-3-methylphenol		0.016	U	0.016	0.36
4-Chloroaniline		0.0094	U	0.0094	0.36
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.36
4-Methylphenol		0.0099	U	0.0099	0.36
4-Nitroaniline		0.014	U	0.014	0.36
4-Nitrophenol		0.18	U	0.18	0.74
Acenaphthene		0.18	J	0.0088	0.36
Acenaphthylene		0.099	J	0.0094	0.36
Acetophenone		0.0079	U	0.0079	0.36
Anthracene		0.11	J	0.035	0.36
Atrazine		0.016	U	0.016	0.15
Benzaldehyde		0.028	U	0.028	0.36
Benzo[a]anthracene		0.030	U	0.030	0.036
Benzo[a]pyrene		0.011	U	0.011	0.036
Benzo[b]fluoranthene		0.014	U	0.014	0.036
Benzo[g,h,i]perylene		0.037	J	0.021	0.36
Benzo[k]fluoranthene		0.016	U	0.016	0.036
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.36
Bis(2-chloroethoxy)methane		0.011	U	0.011	0.36
Bis(2-chloroethyl)ether		0.0086	U	0.0086	0.036
Bis(2-ethylhexyl) phthalate		0.014	U	0.014	0.36
Butyl benzyl phthalate		0.011	U	0.011	0.36
Caprolactam		0.026	U	0.026	0.36
Carbazole		0.0090	U	0.0090	0.36
Chrysene		0.013	J	0.0099	0.36
Dibenz(a,h)anthracene		0.019	U	0.019	0.036

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16089.D
Dilution: 1.0		Initial Weight/Volume: 15.0513 g
Analysis Date: 07/19/2016 0728		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.19	J	0.011	0.36
Diethyl phthalate		0.010	U	0.010	0.36
Dimethyl phthalate		0.011	U	0.011	0.36
Di-n-butyl phthalate		0.011	U	0.011	0.36
Di-n-octyl phthalate		0.019	U	0.019	0.36
Fluoranthene		0.036	J	0.011	0.36
Fluorene		0.48		0.0079	0.36
Hexachlorobenzene		0.015	U	0.015	0.036
Hexachlorobutadiene		0.010	U	0.010	0.074
Hexachlorocyclopentadiene		0.023	U	0.023	0.36
Hexachloroethane		0.013	U	0.013	0.036
Indeno[1,2,3-cd]pyrene		0.024	U	0.024	0.036
Isophorone		0.0078	U	0.0078	0.15
Naphthalene		0.0093	U	0.0093	0.36
Nitrobenzene		0.011	U	0.011	0.036
N-Nitrosodi-n-propylamine		0.012	U	0.012	0.036
N-Nitrosodiphenylamine		0.033	U	0.033	0.36
Pentachlorophenol		0.044	U	0.044	0.29
Phenanthrene		0.96		0.0097	0.36
Phenol		0.012	U	0.012	0.36
Pyrene		0.10	J	0.017	0.36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	73		10 - 95
2-Fluorobiphenyl	67		27 - 84
2-Fluorophenol (Surr)	61		21 - 84
Nitrobenzene-d5 (Surr)	68		28 - 92
Phenol-d5 (Surr)	61		22 - 88
Terphenyl-d14 (Surr)	62		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16090.D
Dilution: 1.0		Initial Weight/Volume: 15.0344 g
Analysis Date: 07/19/2016 0753		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0088	U	0.0088	0.15
2,4-Dimethylphenol		0.082	U	0.082	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.075
2,6-Dinitrotoluene		0.020	U	0.020	0.075
2-Chloronaphthalene		0.0084	U	0.0084	0.37
2-Chlorophenol		0.0095	U	0.0095	0.37
2-Methylnaphthalene		0.026	J	0.0082	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.013	U	0.013	0.37
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.099	U	0.099	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0096	U	0.0096	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.75
Acenaphthene		0.017	J	0.0090	0.37
Acenaphthylene		0.0096	U	0.0096	0.37
Acetophenone		0.0081	U	0.0081	0.37
Anthracene		0.037	J	0.035	0.37
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.028	U	0.028	0.37
Benzo[a]anthracene		0.10		0.031	0.037
Benzo[a]pyrene		0.069		0.011	0.037
Benzo[b]fluoranthene		0.10		0.015	0.037
Benzo[g,h,i]perylene		0.042	J	0.021	0.37
Benzo[k]fluoranthene		0.041		0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0088	U	0.0088	0.037
Bis(2-ethylhexyl) phthalate		0.51		0.015	0.37
Butyl benzyl phthalate		0.011	U	0.011	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.019	J	0.0092	0.37
Chrysene		0.10	J	0.010	0.37
Dibenz(a,h)anthracene		0.019	U	0.019	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16090.D
Dilution: 1.0		Initial Weight/Volume: 15.0344 g
Analysis Date: 07/19/2016 0753		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.017	J	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.011	U	0.011	0.37
Di-n-octyl phthalate		0.019	U	0.019	0.37
Fluoranthene		0.23	J	0.011	0.37
Fluorene		0.018	J	0.0081	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.010	U	0.010	0.075
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		0.047		0.025	0.037
Isophorone		0.16		0.0080	0.15
Naphthalene		0.025	J	0.0095	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		0.25	J	0.0099	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.20	J	0.017	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	8	X	10 - 95
2-Fluorobiphenyl	66		27 - 84
2-Fluorophenol (Surr)	25		21 - 84
Nitrobenzene-d5 (Surr)	71		28 - 92
Phenol-d5 (Surr)	51		22 - 88
Terphenyl-d14 (Surr)	63		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16096.D
Dilution: 1.0		Initial Weight/Volume: 15.0291 g
Analysis Date: 07/19/2016 1020		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.032	U	0.032	0.37
1,2,4,5-Tetrachlorobenzene		0.028	U	0.028	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.011	U	0.011	0.15
2,4-Dichlorophenol		0.0088	U	0.0088	0.15
2,4-Dimethylphenol		0.082	U	0.082	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.076
2,6-Dinitrotoluene		0.020	U	0.020	0.076
2-Chloronaphthalene		0.0085	U	0.0085	0.37
2-Chlorophenol		0.0095	U	0.0095	0.37
2-Methylnaphthalene		0.011	J	0.0083	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.013	U	0.013	0.37
3,3'-Dichlorobenzidine		0.042	U	0.042	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.10	U	0.10	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0096	U	0.0096	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.76
Acenaphthene		0.0091	U	0.0091	0.37
Acenaphthylene		0.0096	U	0.0096	0.37
Acetophenone		0.0081	U	0.0081	0.37
Anthracene		0.036	U	0.036	0.37
Atrazine		0.017	U	0.017	0.15
Benzaldehyde		0.029	U	0.029	0.37
Benzo[a]anthracene		0.031	U	0.031	0.037
Benzo[a]pyrene		0.011	J	0.011	0.037
Benzo[b]fluoranthene		0.015	U	0.015	0.037
Benzo[g,h,i]perylene		0.22	J	0.021	0.37
Benzo[k]fluoranthene		0.016	U	0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.37
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.37
Bis(2-chloroethyl)ether		0.0088	U	0.0088	0.037
Bis(2-ethylhexyl) phthalate		0.23	J	0.015	0.37
Butyl benzyl phthalate		0.012	U	0.012	0.37
Caprolactam		0.027	U	0.027	0.37
Carbazole		0.0093	U	0.0093	0.37
Chrysene		0.015	J	0.010	0.37
Dibenz(a,h)anthracene		0.019	U	0.019	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16096.D
Dilution: 1.0		Initial Weight/Volume: 15.0291 g
Analysis Date: 07/19/2016 1020		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.37
Diethyl phthalate		0.011	U	0.011	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.011	U	0.011	0.37
Di-n-octyl phthalate		0.019	U	0.019	0.37
Fluoranthene		0.014	J	0.011	0.37
Fluorene		0.0081	U	0.0081	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.011	U	0.011	0.076
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.014	U	0.014	0.037
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.037
Isophorone		0.0080	U	0.0080	0.15
Naphthalene		0.0095	U	0.0095	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.037
N-Nitrosodiphenylamine		0.034	U	0.034	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		0.010	U	0.010	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.017	J	0.017	0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	59		10 - 95
2-Fluorobiphenyl	63		27 - 84
2-Fluorophenol (Surr)	53		21 - 84
Nitrobenzene-d5 (Surr)	63		28 - 92
Phenol-d5 (Surr)	54		22 - 88
Terphenyl-d14 (Surr)	55		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16097.D
Dilution: 1.0		Initial Weight/Volume: 15.0441 g
Analysis Date: 07/19/2016 1044		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.031	U	0.031	0.36
1,2,4,5-Tetrachlorobenzene		0.027	U	0.027	0.36
2,3,4,6-Tetrachlorophenol		0.034	U	0.034	0.36
2,4,5-Trichlorophenol		0.036	U	0.036	0.36
2,4,6-Trichlorophenol		0.010	U	0.010	0.15
2,4-Dichlorophenol		0.0086	U	0.0086	0.15
2,4-Dimethylphenol		0.080	U	0.080	0.36
2,4-Dinitrophenol		0.28	U	0.28	0.29
2,4-Dinitrotoluene		0.014	U	0.014	0.074
2,6-Dinitrotoluene		0.019	U	0.019	0.074
2-Chloronaphthalene		0.0083	U	0.0083	0.36
2-Chlorophenol		0.0093	U	0.0093	0.36
2-Methylnaphthalene		0.0080	U	0.0080	0.36
2-Methylphenol		0.016	U	0.016	0.36
2-Nitroaniline		0.012	U	0.012	0.36
2-Nitrophenol		0.012	U	0.012	0.36
3,3'-Dichlorobenzidine		0.041	U	0.041	0.15
3-Nitroaniline		0.011	U	0.011	0.36
4,6-Dinitro-2-methylphenol		0.097	U	0.097	0.29
4-Bromophenyl phenyl ether		0.011	U	0.011	0.36
4-Chloro-3-methylphenol		0.016	U	0.016	0.36
4-Chloroaniline		0.0094	U	0.0094	0.36
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.36
4-Methylphenol		0.0099	U	0.0099	0.36
4-Nitroaniline		0.014	U	0.014	0.36
4-Nitrophenol		0.18	U	0.18	0.74
Acenaphthene		0.0088	U	0.0088	0.36
Acenaphthylene		0.0094	U	0.0094	0.36
Acetophenone		0.0079	U	0.0079	0.36
Anthracene		0.035	U	0.035	0.36
Atrazine		0.016	U	0.016	0.15
Benzaldehyde		0.028	U	0.028	0.36
Benzo[a]anthracene		0.052		0.030	0.036
Benzo[a]pyrene		0.034	J	0.011	0.036
Benzo[b]fluoranthene		0.050		0.014	0.036
Benzo[g,h,i]perylene		0.024	J	0.021	0.36
Benzo[k]fluoranthene		0.021	J	0.016	0.036
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.36
Bis(2-chloroethoxy)methane		0.011	U	0.011	0.36
Bis(2-chloroethyl)ether		0.0086	U	0.0086	0.036
Bis(2-ethylhexyl) phthalate		0.32	J	0.014	0.36
Butyl benzyl phthalate		0.011	U	0.011	0.36
Caprolactam		0.026	U	0.026	0.36
Carbazole		0.0090	U	0.0090	0.36
Chrysene		0.064	J	0.0099	0.36
Dibenz(a,h)anthracene		0.019	U	0.019	0.036

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16097.D
Dilution: 1.0		Initial Weight/Volume: 15.0441 g
Analysis Date: 07/19/2016 1044		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.011	U	0.011	0.36
Diethyl phthalate		0.010	U	0.010	0.36
Dimethyl phthalate		0.011	U	0.011	0.36
Di-n-butyl phthalate		0.011	U	0.011	0.36
Di-n-octyl phthalate		0.019	U	0.019	0.36
Fluoranthene		0.094	J	0.011	0.36
Fluorene		0.0079	U	0.0079	0.36
Hexachlorobenzene		0.015	U	0.015	0.036
Hexachlorobutadiene		0.010	U	0.010	0.074
Hexachlorocyclopentadiene		0.023	U	0.023	0.36
Hexachloroethane		0.013	U	0.013	0.036
Indeno[1,2,3-cd]pyrene		0.025	J	0.024	0.036
Isophorone		0.18		0.0078	0.15
Naphthalene		0.0093	U	0.0093	0.36
Nitrobenzene		0.011	U	0.011	0.036
N-Nitrosodi-n-propylamine		0.012	U	0.012	0.036
N-Nitrosodiphenylamine		0.033	U	0.033	0.36
Pentachlorophenol		0.044	U	0.044	0.29
Phenanthrene		0.063	J	0.0097	0.36
Phenol		0.012	U	0.012	0.36
Pyrene		0.092	J	0.017	0.36

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	25		10 - 95
2-Fluorobiphenyl	70		27 - 84
2-Fluorophenol (Surr)	44		21 - 84
Nitrobenzene-d5 (Surr)	70		28 - 92
Phenol-d5 (Surr)	56		22 - 88
Terphenyl-d14 (Surr)	59		16 - 114

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16098.D
Dilution: 1.0		Initial Weight/Volume: 15.0261 g
Analysis Date: 07/19/2016 1109		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.031	U	0.031	0.37
1,2,4,5-Tetrachlorobenzene		0.027	U	0.027	0.37
2,3,4,6-Tetrachlorophenol		0.035	U	0.035	0.37
2,4,5-Trichlorophenol		0.037	U	0.037	0.37
2,4,6-Trichlorophenol		0.010	U	0.010	0.15
2,4-Dichlorophenol		0.0087	U	0.0087	0.15
2,4-Dimethylphenol		0.081	U	0.081	0.37
2,4-Dinitrophenol		0.28	U	0.28	0.30
2,4-Dinitrotoluene		0.015	U	0.015	0.075
2,6-Dinitrotoluene		0.020	U	0.020	0.075
2-Chloronaphthalene		0.0083	U	0.0083	0.37
2-Chlorophenol		0.0093	U	0.0093	0.37
2-Methylnaphthalene		0.0081	U	0.0081	0.37
2-Methylphenol		0.016	U	0.016	0.37
2-Nitroaniline		0.012	U	0.012	0.37
2-Nitrophenol		0.012	U	0.012	0.37
3,3'-Dichlorobenzidine		0.041	U	0.041	0.15
3-Nitroaniline		0.011	U	0.011	0.37
4,6-Dinitro-2-methylphenol		0.098	U	0.098	0.30
4-Bromophenyl phenyl ether		0.012	U	0.012	0.37
4-Chloro-3-methylphenol		0.016	U	0.016	0.37
4-Chloroaniline		0.0095	U	0.0095	0.37
4-Chlorophenyl phenyl ether		0.011	U	0.011	0.37
4-Methylphenol		0.010	U	0.010	0.37
4-Nitroaniline		0.014	U	0.014	0.37
4-Nitrophenol		0.18	U	0.18	0.75
Acenaphthene		0.43		0.0089	0.37
Acenaphthylene		0.21	J	0.0095	0.37
Acetophenone		0.0080	U	0.0080	0.37
Anthracene		0.28	J	0.035	0.37
Atrazine		0.016	U	0.016	0.15
Benzaldehyde		0.028	U	0.028	0.37
Benzo[a]anthracene		0.031	U	0.031	0.037
Benzo[a]pyrene		0.017	J	0.011	0.037
Benzo[b]fluoranthene		0.014	U	0.014	0.037
Benzo[g,h,i]perylene		0.072	J	0.021	0.37
Benzo[k]fluoranthene		0.016	U	0.016	0.037
bis (2-chloroisopropyl) ether		0.015	U	0.015	0.37
Bis(2-chloroethoxy)methane		0.011	U	0.011	0.37
Bis(2-chloroethyl)ether		0.0087	U	0.0087	0.037
Bis(2-ethylhexyl) phthalate		0.28	J	0.014	0.37
Butyl benzyl phthalate		0.011	U	0.011	0.37
Caprolactam		0.026	U	0.026	0.37
Carbazole		0.0091	U	0.0091	0.37
Chrysene		0.044	J	0.010	0.37
Dibenz(a,h)anthracene		0.019	U	0.019	0.037

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: x16098.D
Dilution: 1.0		Initial Weight/Volume: 15.0261 g
Analysis Date: 07/19/2016 1109		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.39		0.011	0.37
Diethyl phthalate		0.010	U	0.010	0.37
Dimethyl phthalate		0.011	U	0.011	0.37
Di-n-butyl phthalate		0.011	U	0.011	0.37
Di-n-octyl phthalate		0.019	U	0.019	0.37
Fluoranthene		0.011	U	0.011	0.37
Fluorene		0.93		0.0080	0.37
Hexachlorobenzene		0.015	U	0.015	0.037
Hexachlorobutadiene		0.010	U	0.010	0.075
Hexachlorocyclopentadiene		0.023	U	0.023	0.37
Hexachloroethane		0.013	U	0.013	0.037
Indeno[1,2,3-cd]pyrene		0.024	J	0.024	0.037
Isophorone		0.0079	U	0.0079	0.15
Naphthalene		0.017	J	0.0093	0.37
Nitrobenzene		0.012	U	0.012	0.037
N-Nitrosodi-n-propylamine		0.012	U	0.012	0.037
N-Nitrosodiphenylamine		0.033	U	0.033	0.37
Pentachlorophenol		0.045	U	0.045	0.30
Phenanthrene		2.5		0.0098	0.37
Phenol		0.012	U	0.012	0.37
Pyrene		0.017	U	0.017	0.37
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		69		10 - 95	
2-Fluorobiphenyl		65		27 - 84	
2-Fluorophenol (Surr)		63		21 - 84	
Nitrobenzene-d5 (Surr)		75		28 - 92	
Phenol-d5 (Surr)		65		22 - 88	
Terphenyl-d14 (Surr)		63		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379971	Instrument ID: CBNAMS11
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: z41810305.D
Dilution: 1.0		Initial Weight/Volume: 15.0041 g
Analysis Date: 07/20/2016 1206		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		0.033	U	0.033	0.39
1,2,4,5-Tetrachlorobenzene		0.029	U	0.029	0.39
2,3,4,6-Tetrachlorophenol		0.037	U F1	0.037	0.39
2,4,5-Trichlorophenol		0.039	U F1	0.039	0.39
2,4,6-Trichlorophenol		0.011	U F1	0.011	0.16
2,4-Dichlorophenol		0.0092	U F1	0.0092	0.16
2,4-Dimethylphenol		0.086	U	0.086	0.39
2,4-Dinitrophenol		0.29	U F1	0.29	0.31
2,4-Dinitrotoluene		0.015	U	0.015	0.079
2,6-Dinitrotoluene		0.021	U	0.021	0.079
2-Chloronaphthalene		0.0088	U	0.0088	0.39
2-Chlorophenol		0.0099	U	0.0099	0.39
2-Methylnaphthalene		0.0086	U	0.0086	0.39
2-Methylphenol		0.017	U	0.017	0.39
2-Nitroaniline		0.013	U	0.013	0.39
2-Nitrophenol		0.013	U F1	0.013	0.39
3,3'-Dichlorobenzidine		0.043	U	0.043	0.16
3-Nitroaniline		0.012	U	0.012	0.39
4,6-Dinitro-2-methylphenol		0.10	U F1	0.10	0.31
4-Bromophenyl phenyl ether		0.012	U	0.012	0.39
4-Chloro-3-methylphenol		0.017	U	0.017	0.39
4-Chloroaniline		0.010	U	0.010	0.39
4-Chlorophenyl phenyl ether		0.012	U	0.012	0.39
4-Methylphenol		0.011	U	0.011	0.39
4-Nitroaniline		0.015	U	0.015	0.39
4-Nitrophenol		0.19	U F1	0.19	0.79
Acenaphthene		0.0094	U	0.0094	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acetophenone		0.0085	U	0.0085	0.39
Anthracene		0.037	U	0.037	0.39
Atrazine		0.017	U	0.017	0.16
Benzaldehyde		0.030	U	0.030	0.39
Benzo[a]anthracene		0.033	U	0.033	0.039
Benzo[a]pyrene		0.013	J	0.012	0.039
Benzo[b]fluoranthene		0.015	U F1	0.015	0.039
Benzo[g,h,i]perylene		0.022	U	0.022	0.39
Benzo[k]fluoranthene		0.017	U F1	0.017	0.039
bis (2-chloroisopropyl) ether		0.016	U	0.016	0.39
Bis(2-chloroethoxy)methane		0.012	U	0.012	0.39
Bis(2-chloroethyl)ether		0.0092	U	0.0092	0.039
Bis(2-ethylhexyl) phthalate		0.17	J	0.015	0.39
Butyl benzyl phthalate		0.012	U	0.012	0.39
Caprolactam		0.028	U	0.028	0.39
Carbazole		0.0097	U	0.0097	0.39
Chrysene		0.013	J	0.011	0.39
Dibenz(a,h)anthracene		0.020	U	0.020	0.039

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379971	Instrument ID: CBNAMS11
Prep Method: 3546	Prep Batch: 460-379309	Lab File ID: z41810305.D
Dilution: 1.0		Initial Weight/Volume: 15.0041 g
Analysis Date: 07/20/2016 1206		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Dibenzofuran		0.012	U	0.012	0.39
Diethyl phthalate		0.011	U	0.011	0.39
Dimethyl phthalate		0.011	U	0.011	0.39
Di-n-butyl phthalate		0.012	U	0.012	0.39
Di-n-octyl phthalate		0.020	U	0.020	0.39
Fluoranthene		0.020	J	0.012	0.39
Fluorene		0.0085	U	0.0085	0.39
Hexachlorobenzene		0.016	U	0.016	0.039
Hexachlorobutadiene		0.011	U	0.011	0.079
Hexachlorocyclopentadiene		0.024	U F1	0.024	0.39
Hexachloroethane		0.014	U F1	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.026	U	0.026	0.039
Isophorone		0.0084	U	0.0084	0.16
Naphthalene		0.0099	U	0.0099	0.39
Nitrobenzene		0.012	U	0.012	0.039
N-Nitrosodi-n-propylamine		0.013	U	0.013	0.039
N-Nitrosodiphenylamine		0.035	U	0.035	0.39
Pentachlorophenol		0.047	U F1	0.047	0.31
Phenanthrene		0.019	J	0.010	0.39
Phenol		0.013	U	0.013	0.39
Pyrene		0.019	J	0.018	0.39
Surrogate		%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)		31		10 - 95	
2-Fluorobiphenyl		70		27 - 84	
2-Fluorophenol (Surr)		56		21 - 84	
Nitrobenzene-d5 (Surr)		62		28 - 92	
Phenol-d5 (Surr)		62		22 - 88	
Terphenyl-d14 (Surr)		55		16 - 114	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Prep Method: 3510C	Prep Batch: 460-379320	Lab File ID: M230136.D
Dilution: 1.0		Initial Weight/Volume: 240 mL
Analysis Date: 07/16/2016 0757		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1'-Biphenyl	0.66	U	0.66	10
1,2,4,5-Tetrachlorobenzene	0.45	U	0.45	10
2,3,4,6-Tetrachlorophenol	0.72	U	0.72	10
2,4,5-Trichlorophenol	0.51	U	0.51	10
2,4,6-Trichlorophenol	0.55	U	0.55	10
2,4-Dichlorophenol	0.66	U	0.66	10
2,4-Dimethylphenol	0.95	U	0.95	10
2,4-Dinitrophenol	2.5	U	2.5	21
2,4-Dinitrotoluene	1.1	U	1.1	2.1
2,6-Dinitrotoluene	0.92	U	0.92	2.1
2-Chloronaphthalene	0.64	U	0.64	10
2-Chlorophenol	0.77	U	0.77	10
2-Methylnaphthalene	0.92	U	0.92	10
2-Methylphenol	1.3	U	1.3	10
2-Nitroaniline	0.68	U	0.68	10
2-Nitrophenol	0.61	U	0.61	10
3,3'-Dichlorobenzidine	1.1	U	1.1	10
3-Nitroaniline	0.85	U	0.85	10
4,6-Dinitro-2-methylphenol	2.1	U	2.1	21
4-Bromophenyl phenyl ether	1.1	U	1.1	10
4-Chloro-3-methylphenol	0.79	U	0.79	10
4-Chloroaniline	0.76	U	0.76	10
4-Chlorophenyl phenyl ether	1.0	U	1.0	10
4-Methylphenol	0.91	U	0.91	10
4-Nitroaniline	0.50	U	0.50	10
4-Nitrophenol	4.8	U	4.8	21
Acenaphthene	0.92	U	0.92	10
Acenaphthylene	0.68	U	0.68	10
Acetophenone	2.3	J	1.1	10
Anthracene	0.59	U	0.59	10
Atrazine	0.80	U	0.80	2.1
Benzaldehyde	0.90	U	0.90	10
Benzo[a]anthracene	0.57	U	0.57	1.0
Benzo[a]pyrene	0.17	U	0.17	1.0
Benzo[b]fluoranthene	0.46	U	0.46	1.0
Benzo[g,h,i]perylene	0.78	U	0.78	10
Benzo[k]fluoranthene	0.19	U	0.19	1.0
bis (2-chloroisopropyl) ether	0.97	U	0.97	10
Bis(2-chloroethoxy)methane	0.72	U	0.72	10
Bis(2-chloroethyl)ether	0.13	U	0.13	1.0
Bis(2-ethylhexyl) phthalate	0.75	U	0.75	2.1
Butyl benzyl phthalate	0.63	U	0.63	10
Caprolactam	1.1	U	1.1	10
Carbazole	0.89	U	0.89	10
Chrysene	0.70	U	0.70	2.1
Dibenz(a,h)anthracene	0.094	U	0.094	1.0

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Prep Method: 3510C	Prep Batch: 460-379320	Lab File ID: M230136.D
Dilution: 1.0		Initial Weight/Volume: 240 mL
Analysis Date: 07/16/2016 0757		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	0.89	U	0.89	10
Diethyl phthalate	1.0	U	1.0	10
Dimethyl phthalate	1.0	U	1.0	10
Di-n-butyl phthalate	0.85	U	0.85	10
Di-n-octyl phthalate	0.72	U	0.72	10
Fluoranthene	0.75	U	0.75	10
Fluorene	0.83	U	0.83	10
Hexachlorobenzene	0.49	U	0.49	1.0
Hexachlorobutadiene	0.79	U	0.79	1.0
Hexachlorocyclopentadiene	0.64	U	0.64	10
Hexachloroethane	0.094	U	0.094	1.0
Indeno[1,2,3-cd]pyrene	0.22	U	0.22	1.0
Isophorone	0.70	U	0.70	10
Naphthalene	0.83	U	0.83	10
Nitrobenzene	0.51	U	0.51	1.0
N-Nitrosodi-n-propylamine	0.86	U	0.86	1.0
N-Nitrosodiphenylamine	0.77	U	0.77	10
Pentachlorophenol	2.3	U	2.3	21
Phenanthrene	0.68	U	0.68	10
Phenol	0.43	U	0.43	10
Pyrene	0.86	U	0.86	10
Surrogate	%Rec	Qualifier	Acceptance Limits	
2,4,6-Tribromophenol (Surr)	93		43 - 126	
2-Fluorobiphenyl	65		63 - 113	
2-Fluorophenol (Surr)	43		13 - 77	
Nitrobenzene-d5 (Surr)	87		62 - 120	
Phenol-d5 (Surr)	27		10 - 53	
Terphenyl-d14 (Surr)	97		57 - 125	

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-378924	Initial Weight/Volume: 15.0107 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/14/2016 0901		Injection Volume: 1 uL
Prep Date: 07/13/2016 1809		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0035	J p	0.0010	0.0079
4,4'-DDE		0.0020	J	0.0011	0.0079
4,4'-DDT		0.019		0.00081	0.0079
Aldrin		0.00095	U	0.00095	0.0079
alpha-BHC		0.00072	U	0.00072	0.0024
beta-BHC		0.00076	U	0.00076	0.0024
Chlordane		0.035	U	0.035	0.079
delta-BHC		0.00086	U	0.00086	0.0024
Dieldrin		0.0010	U	0.0010	0.0024
Endosulfan I		0.0011	U	0.0011	0.0079
Endosulfan II		0.0012	U	0.0012	0.0079
Endosulfan sulfate		0.00092	U	0.00092	0.0079
Endrin		0.0010	U	0.0010	0.0079
Endrin aldehyde		0.00098	U	0.00098	0.0079
Endrin ketone		0.0011	U	0.0011	0.0079
gamma-BHC (Lindane)		0.00071	U	0.00071	0.0024
Heptachlor		0.0010	U	0.0010	0.0079
Heptachlor epoxide		0.0015	U	0.0015	0.0079
Methoxychlor		0.0017	U	0.0017	0.0079
Toxaphene		0.023	U	0.023	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		55 - 148
Tetrachloro-m-xylene	104		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-378969

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-378924

Initial Weight/Volume: 15.0107 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/14/2016 0901

Injection Volume: 1 uL

Prep Date: 07/13/2016 1809

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		55 - 148
Tetrachloro-m-xylene	81		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0125 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1421		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0051	J	0.00098	0.0075
4,4'-DDE		0.0052	J	0.0011	0.0075
4,4'-DDT		0.019		0.00077	0.0075
Aldrin		0.00091	U	0.00091	0.0075
alpha-BHC		0.00068	U	0.00068	0.0022
beta-BHC		0.00073	U	0.00073	0.0022
Chlordane		0.033	U	0.033	0.075
delta-BHC		0.00082	U	0.00082	0.0022
Dieldrin		0.0088		0.00097	0.0022
Endosulfan I		0.0010	U	0.0010	0.0075
Endosulfan II		0.0012	U	0.0012	0.0075
Endosulfan sulfate		0.00087	U	0.00087	0.0075
Endrin		0.00095	U	0.00095	0.0075
Endrin aldehyde		0.00093	U	0.00093	0.0075
Endrin ketone		0.0010	U	0.0010	0.0075
gamma-BHC (Lindane)		0.00067	U	0.00067	0.0022
Heptachlor		0.00096	U	0.00096	0.0075
Heptachlor epoxide		0.0015	U	0.0015	0.0075
Methoxychlor		0.0016	U	0.0016	0.0075
Toxaphene		0.022	U	0.022	0.075

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		55 - 148
Tetrachloro-m-xylene	107		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0125 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1421

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		55 - 148
Tetrachloro-m-xylene	106		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0114 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1408		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0079
4,4'-DDE		0.0031	J	0.0011	0.0079
4,4'-DDT		0.0097		0.00081	0.0079
Aldrin		0.00095	U	0.00095	0.0079
alpha-BHC		0.00072	U	0.00072	0.0023
beta-BHC		0.00076	U	0.00076	0.0023
Chlordane		0.035	U	0.035	0.079
delta-BHC		0.00086	U	0.00086	0.0023
Dieldrin		0.0010	U	0.0010	0.0023
Endosulfan I		0.0011	U	0.0011	0.0079
Endosulfan II		0.0012	U	0.0012	0.0079
Endosulfan sulfate		0.00091	U	0.00091	0.0079
Endrin		0.0010	U	0.0010	0.0079
Endrin aldehyde		0.00097	U	0.00097	0.0079
Endrin ketone		0.0011	U	0.0011	0.0079
gamma-BHC (Lindane)		0.00070	U	0.00070	0.0023
Heptachlor		0.0010	U	0.0010	0.0079
Heptachlor epoxide		0.0015	U	0.0015	0.0079
Methoxychlor		0.0017	U	0.0017	0.0079
Toxaphene		0.023	U	0.023	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		55 - 148
Tetrachloro-m-xylene	109		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1408

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		55 - 148
Tetrachloro-m-xylene	107		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-378894	Instrument ID: CPESTGC5
Prep Method: 3510C	Prep Batch: 460-378802	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/13/2016 1621		Injection Volume: 1 uL
Prep Date: 07/13/2016 0805		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.0050	U	0.0050	0.020
4,4'-DDE	0.0040	U	0.0040	0.020
4,4'-DDT	0.0040	U	0.0040	0.020
Aldrin	0.0040	U	0.0040	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.0050	U	0.0050	0.020
Chlordane	0.13	U	0.13	0.50
delta-BHC	0.0060	U	0.0060	0.020
Dieldrin	0.0040	U	0.0040	0.020
Endosulfan I	0.0050	U	0.0050	0.020
Endosulfan II	0.0040	U	0.0040	0.020
Endosulfan sulfate	0.0050	U	0.0050	0.020
Endrin	0.0040	U	0.0040	0.020
Endrin aldehyde	0.0040	U	0.0040	0.020
Endrin ketone	0.0040	U	0.0040	0.020
gamma-BHC (Lindane)	0.0040	U	0.0040	0.020
Heptachlor	0.0040	U	0.0040	0.020
Heptachlor epoxide	0.0040	U	0.0040	0.020
Methoxychlor	0.0040	U	0.0040	0.020
Toxaphene	0.060	U	0.060	0.50
Surrogate	%Rec	Qualifier	Acceptance Limits	
DCB Decachlorobiphenyl	160	X	16 - 144	
Tetrachloro-m-xylene	187	X	47 - 150	

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-378894	Instrument ID: CPESTGC5
Prep Method: 3510C	Prep Batch: 460-378802	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/13/2016 1621		Injection Volume: 1 uL
Prep Date: 07/13/2016 0805		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	155	X	16 - 144
Tetrachloro-m-xylene	167	X	47 - 150

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0126 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1354		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0076
4,4'-DDE		0.0011	U	0.0011	0.0076
4,4'-DDT		0.00078	U	0.00078	0.0076
Aldrin		0.00092	U	0.00092	0.0076
alpha-BHC		0.00069	U	0.00069	0.0023
beta-BHC		0.00074	U	0.00074	0.0023
Chlordane		0.033	U	0.033	0.076
delta-BHC		0.00083	U	0.00083	0.0023
Dieldrin		0.00099	U	0.00099	0.0023
Endosulfan I		0.0011	U	0.0011	0.0076
Endosulfan II		0.0012	U	0.0012	0.0076
Endosulfan sulfate		0.00089	U	0.00089	0.0076
Endrin		0.00097	U	0.00097	0.0076
Endrin aldehyde		0.00094	U	0.00094	0.0076
Endrin ketone		0.0011	U	0.0011	0.0076
gamma-BHC (Lindane)		0.00068	U	0.00068	0.0023
Heptachlor		0.00098	U	0.00098	0.0076
Heptachlor epoxide		0.0015	U	0.0015	0.0076
Methoxychlor		0.0016	U	0.0016	0.0076
Toxaphene		0.022	U	0.022	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		55 - 148
Tetrachloro-m-xylene	103		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0126 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1354

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		55 - 148
Tetrachloro-m-xylene	95		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0122 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1435		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0078
4,4'-DDE		0.0011	U	0.0011	0.0078
4,4'-DDT		0.00081	U	0.00081	0.0078
Aldrin		0.00095	U	0.00095	0.0078
alpha-BHC		0.00071	U	0.00071	0.0023
beta-BHC		0.00076	U	0.00076	0.0023
Chlordane		0.035	U	0.035	0.078
delta-BHC		0.00085	U	0.00085	0.0023
Dieldrin		0.0010	U	0.0010	0.0023
Endosulfan I		0.0011	U	0.0011	0.0078
Endosulfan II		0.0012	U	0.0012	0.0078
Endosulfan sulfate		0.00091	U	0.00091	0.0078
Endrin		0.00099	U	0.00099	0.0078
Endrin aldehyde		0.00097	U	0.00097	0.0078
Endrin ketone		0.0011	U	0.0011	0.0078
gamma-BHC (Lindane)		0.00070	U	0.00070	0.0023
Heptachlor		0.0010	U	0.0010	0.0078
Heptachlor epoxide		0.0015	U	0.0015	0.0078
Methoxychlor		0.0017	U	0.0017	0.0078
Toxaphene		0.023	U	0.023	0.078

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		55 - 148
Tetrachloro-m-xylene	106		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1435

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		55 - 148
Tetrachloro-m-xylene	102		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0109 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1448		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0076
4,4'-DDE		0.0011	U	0.0011	0.0076
4,4'-DDT		0.00078	U	0.00078	0.0076
Aldrin		0.00092	U	0.00092	0.0076
alpha-BHC		0.00069	U	0.00069	0.0023
beta-BHC		0.00074	U	0.00074	0.0023
Chlordane		0.034	U	0.034	0.076
delta-BHC		0.00083	U	0.00083	0.0023
Dieldrin		0.00099	U	0.00099	0.0023
Endosulfan I		0.0011	U	0.0011	0.0076
Endosulfan II		0.0012	U	0.0012	0.0076
Endosulfan sulfate		0.00089	U	0.00089	0.0076
Endrin		0.00097	U	0.00097	0.0076
Endrin aldehyde		0.00094	U	0.00094	0.0076
Endrin ketone		0.0011	U	0.0011	0.0076
gamma-BHC (Lindane)		0.00068	U	0.00068	0.0023
Heptachlor		0.00098	U	0.00098	0.0076
Heptachlor epoxide		0.0015	U	0.0015	0.0076
Methoxychlor		0.0016	U	0.0016	0.0076
Toxaphene		0.022	U	0.022	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		55 - 148
Tetrachloro-m-xylene	118		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0109 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1448

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		55 - 148
Tetrachloro-m-xylene	117		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0125 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 0826		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0011	U	0.0011	0.0081
4,4'-DDE		0.0012	U	0.0012	0.0081
4,4'-DDT		0.00083	U	0.00083	0.0081
Aldrin		0.00097	U	0.00097	0.0081
alpha-BHC		0.00073	U	0.00073	0.0024
beta-BHC		0.00078	U	0.00078	0.0024
Chlordane		0.035	U	0.035	0.081
delta-BHC		0.00088	U	0.00088	0.0024
Dieldrin		0.0010	U	0.0010	0.0024
Endosulfan I		0.0011	U	0.0011	0.0081
Endosulfan II		0.0013	U	0.0013	0.0081
Endosulfan sulfate		0.00094	U	0.00094	0.0081
Endrin		0.0010	U	0.0010	0.0081
Endrin aldehyde		0.0010	U	0.0010	0.0081
Endrin ketone		0.0011	U	0.0011	0.0081
gamma-BHC (Lindane)		0.00072	U	0.00072	0.0024
Heptachlor		0.0010	U	0.0010	0.0081
Heptachlor epoxide		0.0016	U	0.0016	0.0081
Methoxychlor		0.0017	U	0.0017	0.0081
Toxaphene		0.023	U	0.023	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		55 - 148
Tetrachloro-m-xylene	115		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0125 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 0826

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		55 - 148
Tetrachloro-m-xylene	115		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379172	Initial Weight/Volume: 15.0113 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1501		Injection Volume: 1 uL
Prep Date: 07/14/2016 2315		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0011	U	0.0011	0.0085
4,4'-DDE		0.0012	U	0.0012	0.0085
4,4'-DDT		0.00088	U	0.00088	0.0085
Aldrin		0.0010	U	0.0010	0.0085
alpha-BHC		0.00078	U	0.00078	0.0025
beta-BHC		0.00083	U	0.00083	0.0025
Chlordane		0.037	U	0.037	0.085
delta-BHC		0.00093	U	0.00093	0.0025
Dieldrin		0.0011	U	0.0011	0.0025
Endosulfan I		0.0012	U	0.0012	0.0085
Endosulfan II		0.0013	U	0.0013	0.0085
Endosulfan sulfate		0.00099	U	0.00099	0.0085
Endrin		0.0011	U	0.0011	0.0085
Endrin aldehyde		0.0011	U	0.0011	0.0085
Endrin ketone		0.0012	U	0.0012	0.0085
gamma-BHC (Lindane)		0.00076	U	0.00076	0.0025
Heptachlor		0.0011	U	0.0011	0.0085
Heptachlor epoxide		0.0017	U	0.0017	0.0085
Methoxychlor		0.0018	U	0.0018	0.0085
Toxaphene		0.025	U	0.025	0.085

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		55 - 148
Tetrachloro-m-xylene	111		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379216

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379172

Initial Weight/Volume: 15.0113 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1501

Injection Volume: 1 uL

Prep Date: 07/14/2016 2315

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		55 - 148
Tetrachloro-m-xylene	109		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379777	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0112 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/19/2016 0832		Injection Volume: 1 uL
Prep Date: 07/16/2016 0232		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0012	U	0.0012	0.0091
4,4'-DDE		0.0013	U	0.0013	0.0091
4,4'-DDT		0.00094	U	0.00094	0.0091
Aldrin		0.0011	U	0.0011	0.0091
alpha-BHC		0.00083	U	0.00083	0.0027
beta-BHC		0.00088	U	0.00088	0.0027
Chlordane		0.040	U	0.040	0.091
delta-BHC		0.00099	U	0.00099	0.0027
Dieldrin		0.0012	U	0.0012	0.0027
Endosulfan I		0.0013	U	0.0013	0.0091
Endosulfan II		0.0014	U	0.0014	0.0091
Endosulfan sulfate		0.0011	U	0.0011	0.0091
Endrin		0.0012	U	0.0012	0.0091
Endrin aldehyde		0.0011	U	0.0011	0.0091
Endrin ketone		0.0013	U	0.0013	0.0091
gamma-BHC (Lindane)		0.00082	U	0.00082	0.0027
Heptachlor		0.0012	U	0.0012	0.0091
Heptachlor epoxide		0.0018	U	0.0018	0.0091
Methoxychlor		0.0019	U	0.0019	0.0091
Toxaphene		0.026	U	0.026	0.091

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		55 - 148
Tetrachloro-m-xylene	104		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379777

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0112 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/19/2016 0832

Injection Volume: 1 uL

Prep Date: 07/16/2016 0232

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 148
Tetrachloro-m-xylene	98		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0107 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1650		Injection Volume: 1 uL
Prep Date: 07/16/2016 0232		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0044	J	0.0011	0.0087
4,4'-DDE		0.0013	U	0.0013	0.0087
4,4'-DDT		0.00090	U	0.00090	0.0087
Aldrin		0.0011	U	0.0011	0.0087
alpha-BHC		0.00079	U	0.00079	0.0026
beta-BHC		0.00085	U	0.00085	0.0026
Chlordane		0.038	U	0.038	0.087
delta-BHC		0.00095	U	0.00095	0.0026
Dieldrin		0.0011	U	0.0011	0.0026
Endosulfan I		0.0012	U	0.0012	0.0087
Endosulfan II		0.0014	U	0.0014	0.0087
Endosulfan sulfate		0.0010	U	0.0010	0.0087
Endrin		0.0011	U	0.0011	0.0087
Endrin aldehyde		0.0011	U	0.0011	0.0087
Endrin ketone		0.0012	U	0.0012	0.0087
gamma-BHC (Lindane)		0.00078	U	0.00078	0.0026
Heptachlor		0.0011	U	0.0011	0.0087
Heptachlor epoxide		0.0017	U	0.0017	0.0087
Methoxychlor		0.0018	U	0.0018	0.0087
Toxaphene		0.025	U	0.025	0.087

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		55 - 148
Tetrachloro-m-xylene	104		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0107 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1650

Injection Volume: 1 uL

Prep Date: 07/16/2016 0232

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 148
Tetrachloro-m-xylene	102		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0116 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1703		Injection Volume: 1 uL
Prep Date: 07/16/2016 0232		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0033	J	0.0011	0.0086
4,4'-DDE		0.0012	U	0.0012	0.0086
4,4'-DDT		0.00089	U	0.00089	0.0086
Aldrin		0.0010	U	0.0010	0.0086
alpha-BHC		0.00078	U	0.00078	0.0026
beta-BHC		0.00084	U	0.00084	0.0026
Chlordane		0.038	U	0.038	0.086
delta-BHC		0.00094	U	0.00094	0.0026
Dieldrin		0.0011	U	0.0011	0.0026
Endosulfan I		0.0012	U	0.0012	0.0086
Endosulfan II		0.0013	U	0.0013	0.0086
Endosulfan sulfate		0.0010	U	0.0010	0.0086
Endrin		0.0011	U	0.0011	0.0086
Endrin aldehyde		0.0011	U	0.0011	0.0086
Endrin ketone		0.0012	U	0.0012	0.0086
gamma-BHC (Lindane)		0.00077	U	0.00077	0.0026
Heptachlor		0.0011	U	0.0011	0.0086
Heptachlor epoxide		0.0017	U	0.0017	0.0086
Methoxychlor		0.0018	U	0.0018	0.0086
Toxaphene		0.025	U	0.025	0.086

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		55 - 148
Tetrachloro-m-xylene	100		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1703

Injection Volume: 1 uL

Prep Date: 07/16/2016 0232

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		55 - 148
Tetrachloro-m-xylene	97		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0121 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1533		Injection Volume: 1 uL
Prep Date: 07/15/2016 2356		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0079
4,4'-DDE		0.0011	U	0.0011	0.0079
4,4'-DDT		0.00081	U	0.00081	0.0079
Aldrin		0.00095	U	0.00095	0.0079
alpha-BHC		0.00071	U	0.00071	0.0023
beta-BHC		0.00076	U	0.00076	0.0023
Chlordane		0.035	U	0.035	0.079
delta-BHC		0.00086	U	0.00086	0.0023
Dieldrin		0.0010	U	0.0010	0.0023
Endosulfan I		0.0011	U	0.0011	0.0079
Endosulfan II		0.0012	U	0.0012	0.0079
Endosulfan sulfate		0.00091	U	0.00091	0.0079
Endrin		0.0010	U	0.0010	0.0079
Endrin aldehyde		0.00097	U	0.00097	0.0079
Endrin ketone		0.0011	U	0.0011	0.0079
gamma-BHC (Lindane)		0.00070	U	0.00070	0.0023
Heptachlor		0.0010	U	0.0010	0.0079
Heptachlor epoxide		0.0015	U	0.0015	0.0079
Methoxychlor		0.0017	U	0.0017	0.0079
Toxaphene		0.023	U	0.023	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		55 - 148
Tetrachloro-m-xylene	106		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0121 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1533

Injection Volume: 1 uL

Prep Date: 07/15/2016 2356

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		55 - 148
Tetrachloro-m-xylene	106		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0123 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1546		Injection Volume: 1 uL
Prep Date: 07/15/2016 2356		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0011	U	0.0011	0.0080
4,4'-DDE		0.0012	U	0.0012	0.0080
4,4'-DDT		0.00083	U	0.00083	0.0080
Aldrin		0.00097	U	0.00097	0.0080
alpha-BHC		0.00073	U	0.00073	0.0024
beta-BHC		0.00078	U	0.00078	0.0024
Chlordane		0.035	U	0.035	0.080
delta-BHC		0.00088	U	0.00088	0.0024
Dieldrin		0.0010	U	0.0010	0.0024
Endosulfan I		0.0011	U	0.0011	0.0080
Endosulfan II		0.0013	U	0.0013	0.0080
Endosulfan sulfate		0.00094	U	0.00094	0.0080
Endrin		0.0010	U	0.0010	0.0080
Endrin aldehyde		0.0010	U	0.0010	0.0080
Endrin ketone		0.0011	U	0.0011	0.0080
gamma-BHC (Lindane)		0.00072	U	0.00072	0.0024
Heptachlor		0.0010	U	0.0010	0.0080
Heptachlor epoxide		0.0016	U	0.0016	0.0080
Methoxychlor		0.0017	U	0.0017	0.0080
Toxaphene		0.023	U	0.023	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		55 - 148
Tetrachloro-m-xylene	106		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0123 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1546

Injection Volume: 1 uL

Prep Date: 07/15/2016 2356

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		55 - 148
Tetrachloro-m-xylene	101		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0124 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1559		Injection Volume: 1 uL
Prep Date: 07/15/2016 2356		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0076
4,4'-DDE		0.0011	U	0.0011	0.0076
4,4'-DDT		0.00078	U	0.00078	0.0076
Aldrin		0.00092	U	0.00092	0.0076
alpha-BHC		0.00069	U	0.00069	0.0023
beta-BHC		0.00074	U	0.00074	0.0023
Chlordane		0.033	U	0.033	0.076
delta-BHC		0.00083	U	0.00083	0.0023
Dieldrin		0.00098	U	0.00098	0.0023
Endosulfan I		0.0011	U	0.0011	0.0076
Endosulfan II		0.0012	U	0.0012	0.0076
Endosulfan sulfate		0.00088	U	0.00088	0.0076
Endrin		0.00096	U	0.00096	0.0076
Endrin aldehyde		0.00094	U	0.00094	0.0076
Endrin ketone		0.0011	U	0.0011	0.0076
gamma-BHC (Lindane)		0.00068	U	0.00068	0.0023
Heptachlor		0.00097	U	0.00097	0.0076
Heptachlor epoxide		0.0015	U	0.0015	0.0076
Methoxychlor		0.0016	U	0.0016	0.0076
Toxaphene		0.022	U	0.022	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		55 - 148
Tetrachloro-m-xylene	109		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0124 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1559

Injection Volume: 1 uL

Prep Date: 07/15/2016 2356

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		55 - 148
Tetrachloro-m-xylene	104		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0116 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1612		Injection Volume: 1 uL
Prep Date: 07/15/2016 2356		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0079
4,4'-DDE		0.0011	U	0.0011	0.0079
4,4'-DDT		0.00081	U	0.00081	0.0079
Aldrin		0.00096	U	0.00096	0.0079
alpha-BHC		0.00072	U	0.00072	0.0024
beta-BHC		0.00077	U	0.00077	0.0024
Chlordane		0.035	U	0.035	0.079
delta-BHC		0.00086	U	0.00086	0.0024
Dieldrin		0.0010	U	0.0010	0.0024
Endosulfan I		0.0011	U	0.0011	0.0079
Endosulfan II		0.0012	U	0.0012	0.0079
Endosulfan sulfate		0.00092	U	0.00092	0.0079
Endrin		0.0010	U	0.0010	0.0079
Endrin aldehyde		0.00098	U	0.00098	0.0079
Endrin ketone		0.0011	U	0.0011	0.0079
gamma-BHC (Lindane)		0.00071	U	0.00071	0.0024
Heptachlor		0.0010	U	0.0010	0.0079
Heptachlor epoxide		0.0015	U	0.0015	0.0079
Methoxychlor		0.0017	U	0.0017	0.0079
Toxaphene		0.023	U	0.023	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 148
Tetrachloro-m-xylene	92		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1612

Injection Volume: 1 uL

Prep Date: 07/15/2016 2356

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		55 - 148
Tetrachloro-m-xylene	88		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379595	Instrument ID: CPESTGC5
Prep Method: 3546	Prep Batch: 460-379394	Initial Weight/Volume: 15.0108 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1625		Injection Volume: 1 uL
Prep Date: 07/15/2016 2356		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0077
4,4'-DDE		0.0011	U	0.0011	0.0077
4,4'-DDT		0.00079	U	0.00079	0.0077
Aldrin		0.00093	U	0.00093	0.0077
alpha-BHC		0.00070	U	0.00070	0.0023
beta-BHC		0.00074	U	0.00074	0.0023
Chlordane		0.034	U	0.034	0.077
delta-BHC		0.00083	U	0.00083	0.0023
Dieldrin		0.0010	U	0.0010	0.0023
Endosulfan I		0.0011	U	0.0011	0.0077
Endosulfan II		0.0012	U	0.0012	0.0077
Endosulfan sulfate		0.00089	U	0.00089	0.0077
Endrin		0.00097	U	0.00097	0.0077
Endrin aldehyde		0.00095	U	0.00095	0.0077
Endrin ketone		0.0011	U	0.0011	0.0077
gamma-BHC (Lindane)		0.00069	U	0.00069	0.0023
Heptachlor		0.00098	U	0.00098	0.0077
Heptachlor epoxide		0.0015	U	0.0015	0.0077
Methoxychlor		0.0016	U	0.0016	0.0077
Toxaphene		0.022	U	0.022	0.077

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		55 - 148
Tetrachloro-m-xylene	101		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379595

Instrument ID: CPESTGC5

Prep Method: 3546

Prep Batch: 460-379394

Initial Weight/Volume: 15.0108 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1625

Injection Volume: 1 uL

Prep Date: 07/15/2016 2356

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 148
Tetrachloro-m-xylene	96		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0013 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 0926		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0011	U	0.0011	0.0082
4,4'-DDE		0.0012	U	0.0012	0.0082
4,4'-DDT		0.00085	U	0.00085	0.0082
Aldrin		0.00099	U	0.00099	0.0082
alpha-BHC		0.00075	U	0.00075	0.0025
beta-BHC		0.00080	U	0.00080	0.0025
Chlordane		0.036	U	0.036	0.082
delta-BHC		0.00090	U	0.00090	0.0025
Dieldrin		0.0011	U	0.0011	0.0025
Endosulfan I		0.0011	U	0.0011	0.0082
Endosulfan II		0.0013	U	0.0013	0.0082
Endosulfan sulfate		0.00096	U	0.00096	0.0082
Endrin		0.0010	U	0.0010	0.0082
Endrin aldehyde		0.0010	U	0.0010	0.0082
Endrin ketone		0.0011	U	0.0011	0.0082
gamma-BHC (Lindane)		0.00074	U	0.00074	0.0025
Heptachlor		0.0011	U	0.0011	0.0082
Heptachlor epoxide		0.0016	U	0.0016	0.0082
Methoxychlor		0.0017	U	0.0017	0.0082
Toxaphene		0.024	U	0.024	0.082

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		55 - 148
Tetrachloro-m-xylene	86		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0013 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 0926

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		55 - 148
Tetrachloro-m-xylene	84		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0046 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 0939		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0011	U	0.0011	0.0081
4,4'-DDE		0.0012	U	0.0012	0.0081
4,4'-DDT		0.00084	U	0.00084	0.0081
Aldrin		0.00098	U	0.00098	0.0081
alpha-BHC		0.00074	U	0.00074	0.0024
beta-BHC		0.00079	U	0.00079	0.0024
Chlordane		0.036	U	0.036	0.081
delta-BHC		0.00088	U	0.00088	0.0024
Dieldrin		0.0011	U	0.0011	0.0024
Endosulfan I		0.0011	U	0.0011	0.0081
Endosulfan II		0.0013	U	0.0013	0.0081
Endosulfan sulfate		0.00095	U	0.00095	0.0081
Endrin		0.0010	U	0.0010	0.0081
Endrin aldehyde		0.0010	U	0.0010	0.0081
Endrin ketone		0.0011	U	0.0011	0.0081
gamma-BHC (Lindane)		0.00073	U	0.00073	0.0024
Heptachlor		0.0010	U	0.0010	0.0081
Heptachlor epoxide		0.0016	U	0.0016	0.0081
Methoxychlor		0.0017	U	0.0017	0.0081
Toxaphene		0.024	U	0.024	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 148
Tetrachloro-m-xylene	90		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0046 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 0939

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		55 - 148
Tetrachloro-m-xylene	88		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0093 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 0952		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.00097	U	0.00097	0.0074
4,4'-DDE		0.0011	U	0.0011	0.0074
4,4'-DDT		0.00076	U	0.00076	0.0074
Aldrin		0.00090	U	0.00090	0.0074
alpha-BHC		0.00067	U	0.00067	0.0022
beta-BHC		0.00072	U	0.00072	0.0022
Chlordane		0.033	U	0.033	0.074
delta-BHC		0.00081	U	0.00081	0.0022
Dieldrin		0.00096	U	0.00096	0.0022
Endosulfan I		0.0010	U	0.0010	0.0074
Endosulfan II		0.0012	U	0.0012	0.0074
Endosulfan sulfate		0.00086	U	0.00086	0.0074
Endrin		0.00094	U	0.00094	0.0074
Endrin aldehyde		0.00092	U	0.00092	0.0074
Endrin ketone		0.0010	U	0.0010	0.0074
gamma-BHC (Lindane)		0.00066	U	0.00066	0.0022
Heptachlor		0.00095	U	0.00095	0.0074
Heptachlor epoxide		0.0014	U	0.0014	0.0074
Methoxychlor		0.0016	U	0.0016	0.0074
Toxaphene		0.022	U	0.022	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 148
Tetrachloro-m-xylene	77		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0093 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 0952

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		55 - 148
Tetrachloro-m-xylene	77		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0085 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1006		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.00099	U	0.00099	0.0076
4,4'-DDE		0.0011	U	0.0011	0.0076
4,4'-DDT		0.00078	U	0.00078	0.0076
Aldrin		0.00091	U	0.00091	0.0076
alpha-BHC		0.00069	U	0.00069	0.0023
beta-BHC		0.00073	U	0.00073	0.0023
Chlordane		0.033	U	0.033	0.076
delta-BHC		0.00082	U	0.00082	0.0023
Dieldrin		0.00098	U	0.00098	0.0023
Endosulfan I		0.0010	U	0.0010	0.0076
Endosulfan II		0.0012	U	0.0012	0.0076
Endosulfan sulfate		0.00088	U	0.00088	0.0076
Endrin		0.00096	U	0.00096	0.0076
Endrin aldehyde		0.00094	U	0.00094	0.0076
Endrin ketone		0.0010	U	0.0010	0.0076
gamma-BHC (Lindane)		0.00068	U	0.00068	0.0023
Heptachlor		0.00097	U	0.00097	0.0076
Heptachlor epoxide		0.0015	U	0.0015	0.0076
Methoxychlor		0.0016	U	0.0016	0.0076
Toxaphene		0.022	U	0.022	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		55 - 148
Tetrachloro-m-xylene	82		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0085 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1006

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		55 - 148
Tetrachloro-m-xylene	81		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0067 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1019		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0076
4,4'-DDE		0.0011	U	0.0011	0.0076
4,4'-DDT		0.00078	U	0.00078	0.0076
Aldrin		0.00092	U	0.00092	0.0076
alpha-BHC		0.00069	U	0.00069	0.0023
beta-BHC		0.00074	U	0.00074	0.0023
Chlordane		0.033	U	0.033	0.076
delta-BHC		0.00083	U	0.00083	0.0023
Dieldrin		0.00099	U	0.00099	0.0023
Endosulfan I		0.0011	U	0.0011	0.0076
Endosulfan II		0.0012	U	0.0012	0.0076
Endosulfan sulfate		0.00088	U	0.00088	0.0076
Endrin		0.00096	U	0.00096	0.0076
Endrin aldehyde		0.00094	U	0.00094	0.0076
Endrin ketone		0.0011	U	0.0011	0.0076
gamma-BHC (Lindane)		0.00068	U	0.00068	0.0023
Heptachlor		0.00097	U	0.00097	0.0076
Heptachlor epoxide		0.0015	U	0.0015	0.0076
Methoxychlor		0.0016	U	0.0016	0.0076
Toxaphene		0.022	U	0.022	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		55 - 148
Tetrachloro-m-xylene	87		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0067 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1019

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		55 - 148
Tetrachloro-m-xylene	84		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0047 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1032		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.00097	U	0.00097	0.0074
4,4'-DDE		0.0011	U	0.0011	0.0074
4,4'-DDT		0.00076	U	0.00076	0.0074
Aldrin		0.00090	U	0.00090	0.0074
alpha-BHC		0.00067	U	0.00067	0.0022
beta-BHC		0.00072	U	0.00072	0.0022
Chlordane		0.033	U	0.033	0.074
delta-BHC		0.00081	U	0.00081	0.0022
Dieldrin		0.00096	U	0.00096	0.0022
Endosulfan I		0.0010	U	0.0010	0.0074
Endosulfan II		0.0012	U	0.0012	0.0074
Endosulfan sulfate		0.00086	U	0.00086	0.0074
Endrin		0.00094	U	0.00094	0.0074
Endrin aldehyde		0.00092	U	0.00092	0.0074
Endrin ketone		0.0010	U	0.0010	0.0074
gamma-BHC (Lindane)		0.00066	U	0.00066	0.0022
Heptachlor		0.00095	U	0.00095	0.0074
Heptachlor epoxide		0.0014	U	0.0014	0.0074
Methoxychlor		0.0016	U	0.0016	0.0074
Toxaphene		0.022	U	0.022	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		55 - 148
Tetrachloro-m-xylene	86		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0047 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1032

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		55 - 148
Tetrachloro-m-xylene	84		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0070 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1046		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.00098	U	0.00098	0.0075
4,4'-DDE		0.0011	U	0.0011	0.0075
4,4'-DDT		0.00077	U	0.00077	0.0075
Aldrin		0.00090	U	0.00090	0.0075
alpha-BHC		0.00068	U	0.00068	0.0022
beta-BHC		0.00072	U	0.00072	0.0022
Chlordane		0.033	U	0.033	0.075
delta-BHC		0.00081	U	0.00081	0.0022
Dieldrin		0.00097	U	0.00097	0.0022
Endosulfan I		0.0010	U	0.0010	0.0075
Endosulfan II		0.0012	U	0.0012	0.0075
Endosulfan sulfate		0.00087	U	0.00087	0.0075
Endrin		0.00095	U	0.00095	0.0075
Endrin aldehyde		0.00092	U	0.00092	0.0075
Endrin ketone		0.0010	U	0.0010	0.0075
gamma-BHC (Lindane)		0.00067	U	0.00067	0.0022
Heptachlor		0.00096	U	0.00096	0.0075
Heptachlor epoxide		0.0015	U	0.0015	0.0075
Methoxychlor		0.0016	U	0.0016	0.0075
Toxaphene		0.022	U	0.022	0.075

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		55 - 148
Tetrachloro-m-xylene	79		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0070 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1046

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		55 - 148
Tetrachloro-m-xylene	79		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Prep Method: 3546	Prep Batch: 460-379501	Initial Weight/Volume: 15.0041 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 0845		Injection Volume: 1 uL
Prep Date: 07/18/2016 0214		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
4,4'-DDD		0.0010	U	0.0010	0.0079
4,4'-DDE		0.0011	U	0.0011	0.0079
4,4'-DDT		0.00081	U	0.00081	0.0079
Aldrin		0.00095	U	0.00095	0.0079
alpha-BHC		0.00072	U	0.00072	0.0024
beta-BHC		0.00077	U	0.00077	0.0024
Chlordane		0.035	U	0.035	0.079
delta-BHC		0.00086	U	0.00086	0.0024
Dieldrin		0.0010	U	0.0010	0.0024
Endosulfan I		0.0011	U	0.0011	0.0079
Endosulfan II		0.0012	U	0.0012	0.0079
Endosulfan sulfate		0.00092	U	0.00092	0.0079
Endrin		0.0010	U	0.0010	0.0079
Endrin aldehyde		0.00098	U	0.00098	0.0079
Endrin ketone		0.0011	U	0.0011	0.0079
gamma-BHC (Lindane)		0.00071	U	0.00071	0.0024
Heptachlor		0.0010	U	0.0010	0.0079
Heptachlor epoxide		0.0015	U	0.0015	0.0079
Methoxychlor		0.0017	U	0.0017	0.0079
Toxaphene		0.023	U	0.023	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		55 - 148
Tetrachloro-m-xylene	89		55 - 139

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B

Analysis Batch: 460-379548

Instrument ID: CPESTGC4

Prep Method: 3546

Prep Batch: 460-379501

Initial Weight/Volume: 15.0041 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 0845

Injection Volume: 1 uL

Prep Date: 07/18/2016 0214

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		55 - 148
Tetrachloro-m-xylene	88		55 - 139

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

### 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Prep Method: 3510C	Prep Batch: 460-379236	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/18/2016 1103		Injection Volume: 1 uL
Prep Date: 07/15/2016 0745		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.0050	U	0.0050	0.020
4,4'-DDE	0.0040	U	0.0040	0.020
4,4'-DDT	0.0040	U	0.0040	0.020
Aldrin	0.0040	U	0.0040	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.0050	U	0.0050	0.020
Chlordane	0.13	U	0.13	0.50
delta-BHC	0.0060	U	0.0060	0.020
Dieldrin	0.0040	U	0.0040	0.020
Endosulfan I	0.0050	U	0.0050	0.020
Endosulfan II	0.0040	U	0.0040	0.020
Endosulfan sulfate	0.0050	U	0.0050	0.020
Endrin	0.0040	U	0.0040	0.020
Endrin aldehyde	0.0040	U	0.0040	0.020
Endrin ketone	0.0040	U	0.0040	0.020
gamma-BHC (Lindane)	0.0040	U	0.0040	0.020
Heptachlor	0.0040	U	0.0040	0.020
Heptachlor epoxide	0.0040	U	0.0040	0.020
Methoxychlor	0.0040	U	0.0040	0.020
Toxaphene	0.060	U	0.060	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		16 - 144
Tetrachloro-m-xylene	87		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

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## 8081B Organochlorine Pesticides (GC)

Analysis Method: 8081B	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Prep Method: 3510C	Prep Batch: 460-379236	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/18/2016 1103		Injection Volume: 1 uL
Prep Date: 07/15/2016 0745		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		16 - 144
Tetrachloro-m-xylene	84		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-378970	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-378922	Initial Weight/Volume: 15.0107 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/14/2016 0643		Injection Volume: 1 uL
Prep Date: 07/13/2016 1805		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.057	J	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.057	J	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-378970

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-378922

Initial Weight/Volume: 15.0107 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/14/2016 0643

Injection Volume: 1 uL

Prep Date: 07/13/2016 1805

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0125 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1137		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.075
Aroclor 1221		0.010	U	0.010	0.075
Aroclor 1232		0.010	U	0.010	0.075
Aroclor 1242		0.010	U	0.010	0.075
Aroclor 1248		0.010	U	0.010	0.075
Aroclor 1254		0.010	U	0.010	0.075
Aroclor 1260		0.010	U	0.010	0.075
Aroclor 1262		0.010	U	0.010	0.075
Aroclor 1268		0.010	U	0.010	0.075
Polychlorinated biphenyls, Total		0.010	U	0.010	0.075

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0125 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1137

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0114 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1151		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0114 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1151

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Prep Method: 3510C	Prep Batch: 460-378807	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/13/2016 1631		Injection Volume: 1 uL
Prep Date: 07/13/2016 0821		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.098	U	0.098	0.40
Aroclor 1221	0.098	U	0.098	0.40
Aroclor 1232	0.098	U	0.098	0.40
Aroclor 1242	0.098	U	0.098	0.40
Aroclor 1248	0.098	U	0.098	0.40
Aroclor 1254	0.084	U	0.084	0.40
Aroclor 1260	0.084	U	0.084	0.40
Aroclor 1262	0.084	U	0.084	0.40
Aroclor 1268	0.084	U	0.084	0.40
Polychlorinated biphenyls, Total	0.098	U	0.098	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		10 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Prep Method: 3510C	Prep Batch: 460-378807	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/13/2016 1631		Injection Volume: 1 uL
Prep Date: 07/13/2016 0821		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		10 - 150

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0126 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1206		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0126 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1206

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: W108-SB-X(3-4)

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0122 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1422		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.078
Aroclor 1221		0.010	U	0.010	0.078
Aroclor 1232		0.010	U	0.010	0.078
Aroclor 1242		0.010	U	0.010	0.078
Aroclor 1248		0.010	U	0.010	0.078
Aroclor 1254		0.011	U	0.011	0.078
Aroclor 1260		0.011	U	0.011	0.078
Aroclor 1262		0.011	U	0.011	0.078
Aroclor 1268		0.011	U	0.011	0.078
Polychlorinated biphenyls, Total		0.011	U	0.011	0.078

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1422

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0109 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1436		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0109 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1436

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0125 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1053		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0125 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1053

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Prep Method: 3546	Prep Batch: 460-379169	Initial Weight/Volume: 15.0113 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/15/2016 1451		Injection Volume: 1 uL
Prep Date: 07/14/2016 2207		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.085
Aroclor 1221		0.011	U	0.011	0.085
Aroclor 1232		0.011	U	0.011	0.085
Aroclor 1242		0.011	U	0.011	0.085
Aroclor 1248		0.011	U	0.011	0.085
Aroclor 1254		0.012	U	0.012	0.085
Aroclor 1260		0.012	U	0.012	0.085
Aroclor 1262		0.012	U	0.012	0.085
Aroclor 1268		0.012	U	0.012	0.085
Polychlorinated biphenyls, Total		0.012	U	0.012	0.085

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379213

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-379169

Initial Weight/Volume: 15.0113 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/15/2016 1451

Injection Volume: 1 uL

Prep Date: 07/14/2016 2207

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0112 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1424		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.012	U	0.012	0.091
Aroclor 1221		0.012	U	0.012	0.091
Aroclor 1232		0.012	U	0.012	0.091
Aroclor 1242		0.012	U	0.012	0.091
Aroclor 1248		0.012	U	0.012	0.091
Aroclor 1254		0.013	U	0.013	0.091
Aroclor 1260		0.013	U	0.013	0.091
Aroclor 1262		0.013	U	0.013	0.091
Aroclor 1268		0.013	U	0.013	0.091
Polychlorinated biphenyls, Total		0.013	U	0.013	0.091

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	137		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0112 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1424

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0107 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1440		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.012	U	0.012	0.087
Aroclor 1221		0.012	U	0.012	0.087
Aroclor 1232		0.012	U	0.012	0.087
Aroclor 1242		0.012	U	0.012	0.087
Aroclor 1248		0.012	U	0.012	0.087
Aroclor 1254		0.012	U	0.012	0.087
Aroclor 1260		0.012	U	0.012	0.087
Aroclor 1262		0.012	U	0.012	0.087
Aroclor 1268		0.012	U	0.012	0.087
Polychlorinated biphenyls, Total		0.012	U	0.012	0.087

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0107 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1440

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379556	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-379397	Initial Weight/Volume:	15.0116 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/18/2016 1456			Injection Volume:	1 uL
Prep Date:	07/15/2016 2359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.086
Aroclor 1221		0.011	U	0.011	0.086
Aroclor 1232		0.011	U	0.011	0.086
Aroclor 1242		0.011	U	0.011	0.086
Aroclor 1248		0.011	U	0.011	0.086
Aroclor 1254		0.012	U	0.012	0.086
Aroclor 1260		0.012	U	0.012	0.086
Aroclor 1262		0.012	U	0.012	0.086
Aroclor 1268		0.012	U	0.012	0.086
Polychlorinated biphenyls, Total		0.012	U	0.012	0.086

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1456

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0121 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1321		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0121 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1321

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379556	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-379397	Initial Weight/Volume:	15.0123 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/18/2016 1337			Injection Volume:	1 uL
Prep Date:	07/15/2016 2359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.080
Aroclor 1221		0.011	U	0.011	0.080
Aroclor 1232		0.011	U	0.011	0.080
Aroclor 1242		0.011	U	0.011	0.080
Aroclor 1248		0.011	U	0.011	0.080
Aroclor 1254		0.011	U	0.011	0.080
Aroclor 1260		0.011	U	0.011	0.080
Aroclor 1262		0.011	U	0.011	0.080
Aroclor 1268		0.011	U	0.011	0.080
Polychlorinated biphenyls, Total		0.011	U	0.011	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0123 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1337

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0124 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1353		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0124 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1353

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0116 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1408		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.079
Aroclor 1221		0.011	U	0.011	0.079
Aroclor 1232		0.011	U	0.011	0.079
Aroclor 1242		0.011	U	0.011	0.079
Aroclor 1248		0.011	U	0.011	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	137		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0116 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1408

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		47 - 150

---

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

### 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379397	Initial Weight/Volume: 15.0108 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 1231		Injection Volume: 1 uL
Prep Date: 07/15/2016 2359		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.077
Aroclor 1221		0.010	U	0.010	0.077
Aroclor 1232		0.010	U	0.010	0.077
Aroclor 1242		0.010	U	0.010	0.077
Aroclor 1248		0.010	U	0.010	0.077
Aroclor 1254		0.011	U	0.011	0.077
Aroclor 1260		0.011	U F1	0.011	0.077
Aroclor 1262		0.011	U	0.011	0.077
Aroclor 1268		0.011	U	0.011	0.077
Polychlorinated biphenyls, Total		0.011	U	0.011	0.077

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379556

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379397

Initial Weight/Volume: 15.0108 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 1231

Injection Volume: 1 uL

Prep Date: 07/15/2016 2359

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379648	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-379502	Initial Weight/Volume:	15.0048 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/18/2016 2033			Injection Volume:	1 uL
Prep Date:	07/18/2016 0219			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.082
Aroclor 1221		0.011	U	0.011	0.082
Aroclor 1232		0.011	U	0.011	0.082
Aroclor 1242		0.011	U	0.011	0.082
Aroclor 1248		0.011	U	0.011	0.082
Aroclor 1254		0.011	U	0.011	0.082
Aroclor 1260		0.011	U	0.011	0.082
Aroclor 1262		0.011	U	0.011	0.082
Aroclor 1268		0.011	U	0.011	0.082
Polychlorinated biphenyls, Total		0.011	U	0.011	0.082

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0048 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2033

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379779	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-379502	Initial Weight/Volume:	15.0032 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/19/2016 0929			Injection Volume:	1 uL
Prep Date:	07/18/2016 0219			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	182	X	47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379779

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0032 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/19/2016 0929

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	163	X	47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379502	Initial Weight/Volume: 15.0416 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 2104		Injection Volume: 1 uL
Prep Date: 07/18/2016 0219		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.0098	U	0.0098	0.074
Aroclor 1221		0.0098	U	0.0098	0.074
Aroclor 1232		0.0098	U	0.0098	0.074
Aroclor 1242		0.0098	U	0.0098	0.074
Aroclor 1248		0.0098	U	0.0098	0.074
Aroclor 1254		0.010	U	0.010	0.074
Aroclor 1260		0.010	U	0.010	0.074
Aroclor 1262		0.010	U	0.010	0.074
Aroclor 1268		0.010	U	0.010	0.074
Polychlorinated biphenyls, Total		0.010	U	0.010	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0416 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2104

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379502	Initial Weight/Volume: 15.0013 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 2120		Injection Volume: 1 uL
Prep Date: 07/18/2016 0219		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	121		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0013 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2120

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

---

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		47 - 150

---

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

---

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379779	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379502	Initial Weight/Volume: 15.0046 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/19/2016 0945		Injection Volume: 1 uL
Prep Date: 07/18/2016 0219		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	199	X	47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379779

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0046 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/19/2016 0945

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	173	X	47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379502	Initial Weight/Volume: 15.0093 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 2152		Injection Volume: 1 uL
Prep Date: 07/18/2016 0219		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.0098	U	0.0098	0.074
Aroclor 1221		0.0098	U	0.0098	0.074
Aroclor 1232		0.0098	U	0.0098	0.074
Aroclor 1242		0.0098	U	0.0098	0.074
Aroclor 1248		0.0098	U	0.0098	0.074
Aroclor 1254		0.010	U	0.010	0.074
Aroclor 1260		0.010	U	0.010	0.074
Aroclor 1262		0.010	U	0.010	0.074
Aroclor 1268		0.010	U	0.010	0.074
Polychlorinated biphenyls, Total		0.010	U	0.010	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0093 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2152

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Prep Method: 3546	Prep Batch: 460-379502	Initial Weight/Volume: 15.0085 g
Dilution: 1.0		Final Weight/Volume: 10 mL
Analysis Date: 07/18/2016 2208		Injection Volume: 1 uL
Prep Date: 07/18/2016 0219		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.0099	U	0.0099	0.075
Aroclor 1221		0.0099	U	0.0099	0.075
Aroclor 1232		0.0099	U	0.0099	0.075
Aroclor 1242		0.0099	U	0.0099	0.075
Aroclor 1248		0.0099	U	0.0099	0.075
Aroclor 1254		0.010	U	0.010	0.075
Aroclor 1260		0.010	U	0.010	0.075
Aroclor 1262		0.010	U	0.010	0.075
Aroclor 1268		0.010	U	0.010	0.075
Polychlorinated biphenyls, Total		0.010	U	0.010	0.075

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0085 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2208

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379648	Instrument ID:	CPESTGC8
Prep Method:	3546	Prep Batch:	460-379502	Initial Weight/Volume:	15.0041 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/18/2016 2224			Injection Volume:	1 uL
Prep Date:	07/18/2016 0219			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		47 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-379648

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-379502

Initial Weight/Volume: 15.0041 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/18/2016 2224

Injection Volume: 1 uL

Prep Date: 07/18/2016 0219

Result Type: SECONDARY

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Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		47 - 150

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# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

Client Sample ID: **FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-379554	Instrument ID:	CPESTGC11
Prep Method:	3510C	Prep Batch:	460-379239	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	07/18/2016 1411			Injection Volume:	1 uL
Prep Date:	07/15/2016 0750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.098	U	0.098	0.40
Aroclor 1221	0.098	U	0.098	0.40
Aroclor 1232	0.098	U	0.098	0.40
Aroclor 1242	0.098	U	0.098	0.40
Aroclor 1248	0.098	U	0.098	0.40
Aroclor 1254	0.084	U	0.084	0.40
Aroclor 1260	0.084	U	0.084	0.40
Aroclor 1262	0.084	U	0.084	0.40
Aroclor 1268	0.084	U	0.084	0.40
Polychlorinated biphenyls, Total	0.098	U	0.098	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		10 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

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## 8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A	Analysis Batch: 460-379554	Instrument ID: CPESTGC11
Prep Method: 3510C	Prep Batch: 460-379239	Initial Weight/Volume: 250 mL
Dilution: 1.0		Final Weight/Volume: 1 mL
Analysis Date: 07/18/2016 1411		Injection Volume: 1 uL
Prep Date: 07/15/2016 0750		Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		10 - 150

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12 (0-2)**

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 047SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.04 g  
Analysis Date: 07/15/2016 0320      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9780		8.3	22.6
Antimony		0.94	J	0.47	1.1
Arsenic		8.6		0.50	1.1
Barium		392		0.75	2.3
Beryllium		0.27	J	0.14	0.45
Cadmium		6.3		0.35	1.1
Calcium		15900		40.5	113
Chromium		42.5		0.88	2.3
Cobalt		8.9		0.87	2.3
Copper		88.5		0.76	2.3
Iron		24800		29.3	67.9
Lead		1990		0.25	0.68
Magnesium		3880		40.6	113
Manganese		275		1.8	4.5
Nickel		26.6		0.89	2.3
Potassium		3810		38.5	113
Selenium		1.6	J	0.44	5.7
Silver		0.85	U	0.85	1.1
Sodium		414		43.5	113
Thallium		0.25	J	0.18	0.45
Vanadium		50.1		0.88	2.3
Zinc		679		2.8	9.1

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378753      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.61 g  
Analysis Date: 07/13/2016 0808      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0339

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.46		0.014	0.020

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(0-2)**

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

### 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 056SMPL.D
Dilution: 20		Initial Weight/Volume: 1.10 g
Analysis Date: 07/14/2016 0241		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5800		7.5	20.4
Antimony		0.42	U	0.42	1.0
Arsenic		6.8		0.45	1.0
Barium		421		0.67	2.0
Beryllium		0.27	J	0.13	0.41
Cadmium		0.45	J	0.32	1.0
Calcium		22200		36.4	102
Chromium		16.5		0.79	2.0
Cobalt		4.3		0.78	2.0
Copper		26.6		0.69	2.0
Iron		11300		26.4	61.1
Lead		456		0.22	0.61
Magnesium		3140		36.5	102
Manganese		228		1.6	4.1
Nickel		13.1		0.80	2.0
Potassium		1000		34.6	102
Selenium		0.39	U	0.39	5.1
Silver		0.77	U	0.77	1.0
Thallium		0.16	U	0.16	0.41
Vanadium		36.6		0.79	2.0
Zinc		244		2.5	8.1

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 032SMPL.D
Dilution: 20		Initial Weight/Volume: 1.10 g
Analysis Date: 07/15/2016 0153		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		161		39.1	102

### 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-378820	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378760	Lab File ID: 071316(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.63 g
Analysis Date: 07/13/2016 0859		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0411		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.43		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379057      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 058SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.10 g  
Analysis Date: 07/14/2016 0253      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9710		7.9	21.3
Antimony		0.44	U	0.44	1.1
Arsenic		5.4		0.48	1.1
Barium		335		0.70	2.1
Beryllium		0.31	J	0.13	0.43
Cadmium		0.33	U	0.33	1.1
Calcium		22600		38.2	107
Chromium		19.0		0.83	2.1
Cobalt		8.9		0.82	2.1
Copper		24.5		0.72	2.1
Iron		20000		27.6	64.0
Lead		397		0.24	0.64
Magnesium		5590		38.3	107
Manganese		306		1.7	4.3
Nickel		19.0		0.83	2.1
Potassium		3240		36.3	107
Selenium		0.41	U	0.41	5.3
Silver		0.80	U	0.80	1.1
Thallium		0.17	U	0.17	0.43
Vanadium		28.8		0.83	2.1
Zinc		187		2.6	8.5

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 034SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.10 g  
Analysis Date: 07/15/2016 0205      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		178		41.0	107

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378760      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.60 g  
Analysis Date: 07/13/2016 0900      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.36		0.014	0.020

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160712**

Lab Sample ID: 460-116858-5FB

Date Sampled: 07/12/2016 1225

Client Matrix: Water

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379330      Instrument ID: ICPMS2  
Prep Method: 3010A      Prep Batch: 460-378992      Lab File ID: 035SMPL.D  
Dilution: 2.0      Initial Weight/Volume: 50 mL  
Analysis Date: 07/15/2016 1632      Final Weight/Volume: 50 mL  
Prep Date: 07/14/2016 0718

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	13.5	U	13.5	40.0
Antimony	0.76	U	0.76	2.0
Arsenic	0.71	U	0.71	2.0
Barium	1.5	U	1.5	4.0
Beryllium	0.29	U	0.29	0.80
Cadmium	0.72	U	0.72	2.0
Calcium	69.5	U	69.5	200
Chromium	1.5	U	1.5	4.0
Cobalt	1.5	U	1.5	4.0
Copper	1.6	U	1.6	4.0
Iron	49.1	U	49.1	120
Lead	0.44	U	0.44	1.2
Magnesium	68.4	U	68.4	200
Manganese	3.0	U	3.0	8.0
Nickel	1.6	U	1.6	4.0
Potassium	74.8	U	74.8	200
Selenium	0.79	U	0.79	10.0
Silver	1.5	U	1.5	2.0
Sodium	87.6	U	87.6	200
Thallium	0.31	U	0.31	0.80
Vanadium	1.4	U	1.4	4.0
Zinc	6.5	U	6.5	16.0

## 7470A Mercury (CVAA)

Analysis Method: 7470A      Analysis Batch: 460-378906      Instrument ID: LEEMAN6  
Prep Method: 7470A      Prep Batch: 460-378838      Lab File ID: 378838hg1.CSV  
Dilution: 1.0      Initial Weight/Volume: 30 mL  
Analysis Date: 07/13/2016 1430      Final Weight/Volume: 30 mL  
Prep Date: 07/13/2016 1157

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.14	U	0.14	0.20

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2-(0-2)**

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379057      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 062SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.14 g  
Analysis Date: 07/14/2016 0316      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16600		7.3	19.9
Antimony		0.41	U	0.41	1.0
Arsenic		2.6		0.44	1.0
Barium		201		0.66	2.0
Beryllium		0.51		0.13	0.40
Cadmium		0.31	U	0.31	1.0
Chromium		42.5		0.77	2.0
Cobalt		12.4		0.77	2.0
Copper		21.1		0.67	2.0
Iron		23400		25.8	59.8
Lead		44.7		0.22	0.60
Magnesium		8860		35.8	99.7
Manganese		395		1.6	4.0
Nickel		36.2		0.78	2.0
Potassium		8270		33.9	99.7
Selenium		0.42	J	0.38	5.0
Silver		0.75	U	0.75	1.0
Thallium		0.37	J	0.15	0.40
Vanadium		50.7		0.77	2.0
Zinc		80.1		2.4	8.0

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 038SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.14 g  
Analysis Date: 07/15/2016 0228      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		34200		35.7	99.7
Sodium		957		38.3	99.7

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378760      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.65 g  
Analysis Date: 07/13/2016 0902      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.19		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-X(3-4)**

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379057      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 063SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.19 g  
Analysis Date: 07/14/2016 0321      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9390		7.2	19.7
Antimony		0.40	U	0.40	0.98
Arsenic		2.2		0.44	0.98
Barium		79.1		0.65	2.0
Beryllium		0.53		0.12	0.39
Cadmium		0.31	U	0.31	0.98
Chromium		23.1		0.76	2.0
Cobalt		6.1		0.76	2.0
Copper		18.8		0.66	2.0
Iron		14200		25.5	59.0
Lead		9.4		0.22	0.59
Magnesium		3140		35.3	98.4
Manganese		121		1.6	3.9
Nickel		14.6		0.77	2.0
Potassium		2310		33.4	98.4
Selenium		0.38	U	0.38	4.9
Silver		0.74	U	0.74	0.98
Thallium		0.15	J	0.15	0.39
Vanadium		28.6		0.76	2.0
Zinc		35.2		2.4	7.9

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 039SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.19 g  
Analysis Date: 07/15/2016 0234      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		1640		35.2	98.4
Sodium		123		37.8	98.4

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378760      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.62 g  
Analysis Date: 07/13/2016 0908      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027		0.014	0.019

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

### 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379057

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-378796

Lab File ID: 064SMPL.D

Dilution: 20

Initial Weight/Volume: 1.03 g

Analysis Date: 07/14/2016 0327

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8030		8.1	22.1
Antimony		0.45	U	0.45	1.1
Arsenic		1.5		0.49	1.1
Barium		82.4		0.73	2.2
Beryllium		0.34	J	0.14	0.44
Cadmium		0.34	U	0.34	1.1
Chromium		20.8		0.86	2.2
Cobalt		4.1		0.85	2.2
Copper		16.4		0.74	2.2
Iron		12200		28.6	66.2
Lead		11.3		0.24	0.66
Magnesium		2930		39.6	110
Manganese		91.3		1.7	4.4
Nickel		9.9		0.86	2.2
Potassium		2630		37.5	110
Selenium		0.42	U	0.42	5.5
Silver		0.83	U	0.83	1.1
Thallium		0.17	U	0.17	0.44
Vanadium		19.2		0.85	2.2
Zinc		31.0		2.7	8.8

Analysis Method: 6020A

Analysis Batch: 460-379259

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-378796

Lab File ID: 040SMPL.D

Dilution: 20

Initial Weight/Volume: 1.03 g

Analysis Date: 07/15/2016 0240

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		1730		39.5	110
Sodium		120		42.4	110

### 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-378820

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-378760

Lab File ID: 071316(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 07/13/2016 0910

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.045		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-3(0-2)**

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 054SMPL.D
Dilution: 20		Initial Weight/Volume: 1.04 g
Analysis Date: 07/14/2016 0230		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10400		8.5	23.1
Antimony		0.48	U F1	0.48	1.2
Arsenic		1.7		0.52	1.2
Barium		67.6		0.76	2.3
Beryllium		0.54		0.15	0.46
Cadmium		0.36	U	0.36	1.2
Calcium		1080	F1	41.4	116
Chromium		23.1		0.90	2.3
Cobalt		11.9		0.89	2.3
Copper		14.4		0.78	2.3
Iron		16000		30.0	69.4
Lead		7.2		0.26	0.69
Magnesium		3080		41.5	116
Manganese		115		1.8	4.6
Nickel		13.5		0.90	2.3
Potassium		1560		39.3	116
Selenium		0.45	U	0.45	5.8
Silver		0.87	U	0.87	1.2
Thallium		0.22	J	0.18	0.46
Vanadium		24.2		0.90	2.3
Zinc		43.9		2.8	9.3

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 030SMPL.D
Dilution: 20		Initial Weight/Volume: 1.04 g
Analysis Date: 07/15/2016 0142		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		63.3	J	44.4	116

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-378820	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378760	Lab File ID: 071316(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.62 g
Analysis Date: 07/13/2016 0836		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0411		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	U	0.014	0.020

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(0-2)**

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

### 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379057

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-378796

Lab File ID: 065SMPL.D

Dilution: 20

Initial Weight/Volume: 1.11 g

Analysis Date: 07/14/2016 0333

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8880		8.4	22.9
Antimony		0.47	U	0.47	1.1
Arsenic		2.4		0.51	1.1
Barium		73.9		0.76	2.3
Beryllium		0.41	J	0.14	0.46
Cadmium		0.36	U	0.36	1.1
Chromium		14.2		0.89	2.3
Cobalt		4.3		0.88	2.3
Copper		11.0		0.77	2.3
Iron		10300		29.7	68.8
Lead		158		0.25	0.69
Magnesium		1580		41.1	115
Manganese		152		1.8	4.6
Nickel		8.4		0.90	2.3
Potassium		671		39.0	115
Selenium		0.44	J	0.44	5.7
Silver		0.86	U	0.86	1.1
Thallium		0.18	U	0.18	0.46
Vanadium		20.2		0.89	2.3
Zinc		74.7		2.8	9.2

Analysis Method: 6020A

Analysis Batch: 460-379259

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-378796

Lab File ID: 041SMPL.D

Dilution: 20

Initial Weight/Volume: 1.11 g

Analysis Date: 07/15/2016 0245

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		2890		41.0	115
Sodium		110	J	44.0	115

### 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-378820

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-378760

Lab File ID: 071316(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 07/13/2016 0912

Final Weight/Volume: 50 mL

Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.090		0.015	0.021

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-4(5-7)**

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379057      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 066SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.08 g  
Analysis Date: 07/14/2016 0339      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9980		9.3	25.2
Antimony		0.52	U	0.52	1.3
Arsenic		2.2		0.56	1.3
Barium		66.2		0.83	2.5
Beryllium		0.41	J	0.16	0.50
Cadmium		0.39	U	0.39	1.3
Chromium		19.1		0.98	2.5
Cobalt		5.5		0.97	2.5
Copper		11.4		0.85	2.5
Iron		10100		32.6	75.5
Lead		11.2		0.28	0.76
Magnesium		2470		45.2	126
Manganese		99.2		2.0	5.0
Nickel		12.7		0.98	2.5
Potassium		1080		42.8	126
Selenium		0.48	U	0.48	6.3
Silver		0.95	U	0.95	1.3
Thallium		0.20	U	0.20	0.50
Vanadium		19.9		0.97	2.5
Zinc		48.4		3.1	10.1

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 042SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.08 g  
Analysis Date: 07/15/2016 0251      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		9160		45.1	126
Sodium		301		48.3	126

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378760      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.63 g  
Analysis Date: 07/13/2016 0914      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	U	0.016	0.022

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(0-2)**

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 067SMPL.D
Dilution: 20		Initial Weight/Volume: 1.14 g
Analysis Date: 07/14/2016 0344		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10600		8.4	22.9
Antimony		0.52	J	0.47	1.1
Arsenic		13.1		0.51	1.1
Barium		141		0.75	2.3
Beryllium		0.53		0.14	0.46
Cadmium		0.36	U	0.36	1.1
Chromium		21.3		0.89	2.3
Cobalt		6.9		0.88	2.3
Copper		28.3		0.77	2.3
Iron		13100		29.6	68.6
Lead		345		0.25	0.69
Magnesium		4400		41.0	114
Manganese		332		1.8	4.6
Nickel		23.0		0.89	2.3
Potassium		2050		38.9	114
Selenium		0.88	J	0.44	5.7
Silver		0.86	U	0.86	1.1
Thallium		0.19	J	0.18	0.46
Vanadium		29.8		0.88	2.3
Zinc		125		2.8	9.1

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-378796	Lab File ID: 043SMPL.D
Dilution: 20		Initial Weight/Volume: 1.14 g
Analysis Date: 07/15/2016 0257		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		32200		40.9	114
Sodium		186		43.9	114

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-378820	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378760	Lab File ID: 071316(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.66 g
Analysis Date: 07/13/2016 0915		Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0411		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.014	0.020

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379057      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 068SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.12 g  
Analysis Date: 07/14/2016 0350      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12900		8.5	23.0
Antimony		0.47	U	0.47	1.1
Arsenic		18.5		0.51	1.1
Barium		144		0.76	2.3
Beryllium		0.36	J	0.14	0.46
Cadmium		0.36	U	0.36	1.1
Chromium		35.3		0.89	2.3
Cobalt		8.6		0.88	2.3
Copper		29.6		0.77	2.3
Iron		18400		29.7	68.9
Lead		307		0.25	0.69
Magnesium		5440		41.2	115
Manganese		268		1.8	4.6
Nickel		27.1		0.90	2.3
Potassium		4190		39.1	115
Selenium		0.75	J	0.44	5.7
Silver		0.86	U	0.86	1.1
Thallium		0.24	J	0.18	0.46
Vanadium		34.3		0.89	2.3
Zinc		126		2.8	9.2

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-378796      Lab File ID: 044SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.12 g  
Analysis Date: 07/15/2016 0302      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0728

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		3850		41.1	115
Sodium		121		44.1	115

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-378820      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378760      Lab File ID: 071316(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.60 g  
Analysis Date: 07/13/2016 0917      Final Weight/Volume: 50 mL  
Prep Date: 07/13/2016 0411

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.015	0.022

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 110SMPL.D
Dilution: 20		Initial Weight/Volume: 1.02 g
Analysis Date: 07/15/2016 0922		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10000		8.5	23.0
Antimony		0.47	U	0.47	1.1
Arsenic		1.9		0.51	1.1
Barium		103		0.76	2.3
Beryllium		0.53		0.14	0.46
Cadmium		0.36	U	0.36	1.1
Calcium		48700		41.2	115
Chromium		19.7		0.89	2.3
Cobalt		6.7		0.88	2.3
Copper		24.3		0.78	2.3
Iron		11300		29.8	69.0
Lead		18.0		0.25	0.69
Magnesium		5420		41.3	115
Manganese		307		1.8	4.6
Nickel		16.2		0.90	2.3
Potassium		2460		39.1	115
Selenium		0.44	U	0.44	5.7
Silver		0.86	U	0.86	1.1
Thallium		0.18	U	0.18	0.46
Vanadium		22.1		0.89	2.3
Zinc		39.5		2.8	9.2

Analysis Method: 6020A	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 029SMPL.D
Dilution: 20		Initial Weight/Volume: 1.02 g
Analysis Date: 07/16/2016 1635		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		398		44.2	115

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.63 g
Analysis Date: 07/14/2016 0943		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.084		0.013	0.019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379259      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-379003      Lab File ID: 111SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.09 g  
Analysis Date: 07/15/2016 0928      Final Weight/Volume: 50 mL  
Prep Date: 07/14/2016 0750

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15800		8.1	22.0
Antimony		0.45	U	0.45	1.1
Arsenic		2.0		0.49	1.1
Barium		111		0.73	2.2
Beryllium		0.34	J	0.14	0.44
Cadmium		0.34	U	0.34	1.1
Calcium		19900		39.5	110
Chromium		25.4		0.86	2.2
Cobalt		18.9		0.85	2.2
Copper		13.2		0.74	2.2
Iron		27700		28.5	66.1
Lead		58.8		0.24	0.66
Magnesium		9160		39.6	110
Manganese		477		1.7	4.4
Nickel		36.2		0.86	2.2
Potassium		7560		37.5	110
Selenium		0.42	U	0.42	5.5
Silver		0.83	U	0.83	1.1
Thallium		0.36	J	0.17	0.44
Vanadium		36.3		0.85	2.2
Zinc		103		2.7	8.8

Analysis Method: 6020A      Analysis Batch: 460-379602      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-379003      Lab File ID: 030SMPL.D  
Dilution: 20      Initial Weight/Volume: 1.09 g  
Analysis Date: 07/16/2016 1641      Final Weight/Volume: 50 mL  
Prep Date: 07/14/2016 0750

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		269		42.3	110

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-379043      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-378973      Lab File ID: 071416(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.60 g  
Analysis Date: 07/14/2016 0945      Final Weight/Volume: 50 mL  
Prep Date: 07/14/2016 0438

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.014	0.020

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-8 (0-2)**

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 115SMPL.D
Dilution: 20		Initial Weight/Volume: 1.15 g
Analysis Date: 07/15/2016 0951		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10100		7.2	19.7
Antimony		0.40	U	0.40	0.98
Arsenic		1.5		0.44	0.98
Barium		61.8		0.65	2.0
Beryllium		0.44		0.12	0.39
Cadmium		0.31	U	0.31	0.98
Calcium		9620		35.2	98.4
Chromium		24.3		0.76	2.0
Cobalt		7.9		0.76	2.0
Copper		33.8		0.66	2.0
Iron		16100		25.5	59.1
Lead		8.3		0.22	0.59
Magnesium		4490		35.3	98.4
Manganese		219		1.6	3.9
Nickel		17.9		0.77	2.0
Selenium		0.38	U	0.38	4.9
Silver		0.74	U	0.74	0.98
Sodium		254		37.8	98.4
Thallium		0.17	J	0.15	0.39
Vanadium		31.9		0.76	2.0
Zinc		39.0		2.4	7.9

Analysis Method: 6020A	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 031SMPL.D
Dilution: 20		Initial Weight/Volume: 1.15 g
Analysis Date: 07/16/2016 1646		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Potassium		2560		33.5	98.4

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.66 g
Analysis Date: 07/14/2016 0950		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	J	0.012	0.017

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 116SMPL.D
Dilution: 20		Initial Weight/Volume: 1.02 g
Analysis Date: 07/15/2016 0957		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		17100		8.5	23.2
Antimony		0.48	U	0.48	1.2
Arsenic		1.9		0.52	1.2
Barium		144		0.76	2.3
Beryllium		0.42	J	0.15	0.46
Cadmium		0.36	U	0.36	1.2
Calcium		18200		41.5	116
Chromium		30.1		0.90	2.3
Cobalt		19.8		0.89	2.3
Copper		17.6		0.78	2.3
Iron		32300		30.0	69.5
Lead		28.1		0.26	0.69
Magnesium		9870		41.6	116
Manganese		407		1.8	4.6
Nickel		38.7		0.91	2.3
Selenium		0.45	U	0.45	5.8
Silver		0.87	U	0.87	1.2
Sodium		382		44.5	116
Thallium		0.31	J	0.18	0.46
Vanadium		36.8		0.90	2.3
Zinc		121		2.8	9.3

Analysis Method: 6020A	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 057SMPL.D
Dilution: 20		Initial Weight/Volume: 1.02 g
Analysis Date: 07/16/2016 1916		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Potassium		6620		39.4	116

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.64 g
Analysis Date: 07/14/2016 0952		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049		0.013	0.019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-6 (0-2)**

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

## 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 108SMPL.D
Dilution: 20		Initial Weight/Volume: 1.05 g
Analysis Date: 07/15/2016 0911		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8880		8.0	21.8
Antimony		0.45	U F1	0.45	1.1
Arsenic		2.6		0.49	1.1
Barium		49.4		0.72	2.2
Beryllium		0.36	J	0.14	0.44
Cadmium		0.34	U	0.34	1.1
Calcium		45500		39.0	109
Chromium		11.3		0.85	2.2
Cobalt		6.3		0.84	2.2
Copper		11.0		0.73	2.2
Iron		11900		28.2	65.4
Lead		49.3		0.24	0.65
Magnesium		23200		39.1	109
Manganese		264		1.7	4.4
Nickel		10.2		0.85	2.2
Potassium		866		37.1	109
Selenium		0.42	U	0.42	5.5
Silver		0.82	U	0.82	1.1
Thallium		0.17	U	0.17	0.44
Vanadium		15.9		0.84	2.2
Zinc		28.0		2.7	8.7

Analysis Method: 6020A	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379003	Lab File ID: 027SMPL.D
Dilution: 20		Initial Weight/Volume: 1.05 g
Analysis Date: 07/16/2016 1624		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		96.6	J	41.9	109

## 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.60 g
Analysis Date: 07/14/2016 0954		Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.014	0.019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-13(0-2)**

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379842

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-379489

Lab File ID: 107SMPL.D

Dilution: 20

Initial Weight/Volume: 50 g

Analysis Date: 07/19/2016 0016

Final Weight/Volume: 50 mL

Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		281		0.18	0.49
Antimony		0.010	U	0.010	0.025
Arsenic		0.11		0.011	0.025
Barium		3.1		0.016	0.049
Beryllium		0.017		0.0031	0.0098
Cadmium		0.0077	U	0.0077	0.025
Calcium		1050		0.88	2.5
Chromium		0.48		0.019	0.049
Cobalt		0.18		0.019	0.049
Copper		0.70		0.017	0.049
Iron		429		0.64	1.5
Lead		1.1		0.0054	0.015
Magnesium		98.1		0.88	2.5
Manganese		5.9		0.039	0.098
Nickel		0.48		0.019	0.049
Potassium		74.5		0.83	2.5
Selenium		0.015	J	0.0095	0.12
Silver		0.018	U	0.018	0.025
Sodium		15.2		0.94	2.5
Thallium		0.0059	J	0.0038	0.0098
Vanadium		0.79		0.019	0.049
Zinc		1.6		0.060	0.20

## 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-379593

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-379530

Lab File ID: 071816(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 07/18/2016 0853

Final Weight/Volume: 50 mL

Prep Date: 07/18/2016 0426

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.045		0.015	0.021

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-14(0-2)**

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379842

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-379489

Lab File ID: 108SMPL.D

Dilution: 20

Initial Weight/Volume: 50 g

Analysis Date: 07/19/2016 0021

Final Weight/Volume: 50 mL

Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		489		0.18	0.49
Antimony		0.010	U	0.010	0.024
Arsenic		0.40		0.011	0.024
Barium		5.6		0.016	0.049
Beryllium		0.021		0.0031	0.0097
Cadmium		0.0076	U	0.0076	0.024
Calcium		501		0.87	2.4
Chromium		1.5		0.019	0.049
Cobalt		0.39		0.019	0.049
Copper		1.3		0.016	0.049
Iron		753		0.63	1.5
Lead		3.6		0.0054	0.015
Magnesium		266		0.87	2.4
Manganese		9.9		0.038	0.097
Nickel		1.1		0.019	0.049
Potassium		180		0.82	2.4
Selenium		0.063	J	0.0093	0.12
Silver		0.018	U	0.018	0.024
Sodium		13.6		0.93	2.4
Thallium		0.021		0.0038	0.0097
Vanadium		1.5		0.019	0.049
Zinc		3.1		0.059	0.19

## 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-379593

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-379530

Lab File ID: 071816(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 07/18/2016 0855

Final Weight/Volume: 50 mL

Prep Date: 07/18/2016 0426

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-Y**

Lab Sample ID: 460-116994-3

Date Sampled: 07/14/2016 1015

Client Matrix: Solid

% Moisture: 9.6

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379842      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-379489      Lab File ID: 109SMPL.D  
Dilution: 20      Initial Weight/Volume: 50 g  
Analysis Date: 07/19/2016 0027      Final Weight/Volume: 50 mL  
Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		304		0.16	0.44
Antimony		0.0091	U	0.0091	0.022
Arsenic		0.027		0.0099	0.022
Barium		3.6		0.015	0.044
Beryllium		0.011		0.0028	0.0088
Cadmium		0.0069	U	0.0069	0.022
Calcium		41.8		0.79	2.2
Chromium		0.51		0.017	0.044
Cobalt		0.24		0.017	0.044
Copper		0.79		0.015	0.044
Iron		489		0.57	1.3
Lead		0.98		0.0049	0.013
Magnesium		93.1		0.79	2.2
Manganese		4.9		0.035	0.088
Nickel		0.38		0.017	0.044
Potassium		122		0.75	2.2
Selenium		0.0085	U	0.0085	0.11
Silver		0.017	U	0.017	0.022
Sodium		3.6		0.85	2.2
Thallium		0.0057	J	0.0034	0.0088
Vanadium		0.78		0.017	0.044
Zinc		1.2		0.054	0.18

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-379593      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-379531      Lab File ID: 071816(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.62 g  
Analysis Date: 07/18/2016 0931      Final Weight/Volume: 50 mL  
Prep Date: 07/18/2016 0453

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.033		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12C(0-2)**

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379842

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-379489

Lab File ID: 110SMPL.D

Dilution: 20

Initial Weight/Volume: 50 g

Analysis Date: 07/19/2016 0033

Final Weight/Volume: 50 mL

Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		205		0.17	0.45
Antimony		0.0093	U	0.0093	0.023
Arsenic		0.087		0.010	0.023
Barium		3.1		0.015	0.045
Beryllium		0.0093		0.0028	0.0090
Cadmium		0.0070	U	0.0070	0.023
Calcium		945		0.81	2.3
Chromium		0.36		0.018	0.045
Cobalt		0.16		0.017	0.045
Copper		0.71		0.015	0.045
Iron		338		0.58	1.4
Lead		3.0		0.0050	0.014
Magnesium		106		0.81	2.3
Manganese		4.1		0.036	0.090
Nickel		0.33		0.018	0.045
Potassium		100		0.77	2.3
Selenium		0.012	J	0.0087	0.11
Silver		0.017	U	0.017	0.023
Sodium		43.0		0.87	2.3
Thallium		0.0049	J	0.0035	0.0090
Vanadium		0.74		0.017	0.045
Zinc		1.4		0.055	0.18

## 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-379593

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-379531

Lab File ID: 071816(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 07/18/2016 0932

Final Weight/Volume: 50 mL

Prep Date: 07/18/2016 0453

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.32		0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(0-2)**

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379842

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-379489

Lab File ID: 111SMPL.D

Dilution: 20

Initial Weight/Volume: 50 g

Analysis Date: 07/19/2016 0039

Final Weight/Volume: 50 mL

Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		188		0.17	0.45
Antimony		0.012	J	0.0093	0.023
Arsenic		0.085		0.010	0.023
Barium		2.4		0.015	0.045
Beryllium		0.0055	J	0.0029	0.0091
Cadmium		0.021	J	0.0071	0.023
Calcium		904		0.81	2.3
Chromium		0.35		0.018	0.045
Cobalt		0.15		0.017	0.045
Copper		0.85		0.015	0.045
Iron		282		0.59	1.4
Lead		25.2		0.0050	0.014
Magnesium		94.8		0.81	2.3
Manganese		4.2		0.036	0.091
Nickel		0.34		0.018	0.045
Potassium		48.4		0.77	2.3
Selenium		0.010	J	0.0087	0.11
Silver		0.017	U	0.017	0.023
Sodium		10.5		0.87	2.3
Thallium		0.0035	U	0.0035	0.0091
Vanadium		0.57		0.018	0.045
Zinc		6.1		0.055	0.18

## 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-379593

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-379531

Lab File ID: 071816(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 07/18/2016 0934

Final Weight/Volume: 50 mL

Prep Date: 07/18/2016 0453

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.013	0.019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-11(0-2)**

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-379842

Instrument ID: ICPMS2

Prep Method: 3050B

Prep Batch: 460-379489

Lab File ID: 112SMPL.D

Dilution: 20

Initial Weight/Volume: 50 g

Analysis Date: 07/19/2016 0044

Final Weight/Volume: 50 mL

Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		401		0.16	0.44
Antimony		0.0091	U	0.0091	0.022
Arsenic		0.051		0.0099	0.022
Barium		6.2		0.015	0.044
Beryllium		0.0097		0.0028	0.0088
Cadmium		0.0069	U	0.0069	0.022
Calcium		430		0.79	2.2
Chromium		0.59		0.017	0.044
Cobalt		0.37		0.017	0.044
Copper		1.4		0.015	0.044
Iron		726		0.57	1.3
Lead		0.48		0.0049	0.013
Magnesium		245		0.79	2.2
Manganese		8.1		0.035	0.088
Nickel		0.47		0.017	0.044
Potassium		269		0.75	2.2
Selenium		0.012	J	0.0085	0.11
Silver		0.017	U	0.017	0.022
Sodium		29.6		0.85	2.2
Thallium		0.011		0.0034	0.0088
Vanadium		1.8		0.017	0.044
Zinc		1.7		0.054	0.18

## 7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-379593

Instrument ID: LEEMAN6

Prep Method: 7471B

Prep Batch: 460-379531

Lab File ID: 071816(TS).CSV

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 07/18/2016 0936

Final Weight/Volume: 50 mL

Prep Date: 07/18/2016 0453

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15		0.013	0.019

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-12B(2-4)**

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379842      Instrument ID: ICPMS2  
Prep Method: 3050B      Prep Batch: 460-379489      Lab File ID: 114SMPL.D  
Dilution: 20      Initial Weight/Volume: 50 g  
Analysis Date: 07/19/2016 0056      Final Weight/Volume: 50 mL  
Prep Date: 07/17/2016 1757

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		274		0.16	0.45
Antimony		0.0092	U	0.0092	0.022
Arsenic		0.029		0.0099	0.022
Barium		3.0		0.015	0.045
Beryllium		0.0095		0.0028	0.0089
Cadmium		0.0070	U	0.0070	0.022
Calcium		71.4		0.80	2.2
Chromium		0.48		0.017	0.045
Cobalt		0.21		0.017	0.045
Copper		0.75		0.015	0.045
Iron		376		0.58	1.3
Lead		2.2		0.0049	0.013
Magnesium		82.4		0.80	2.2
Manganese		4.2		0.035	0.089
Nickel		0.37		0.017	0.045
Potassium		103		0.76	2.2
Selenium		0.0086	U	0.0086	0.11
Silver		0.017	U	0.017	0.022
Sodium		5.4		0.86	2.2
Thallium		0.0049	J	0.0035	0.0089
Vanadium		0.68		0.017	0.045
Zinc		1.5		0.054	0.18

## 7471B Mercury (CVAA)

Analysis Method: 7471B      Analysis Batch: 460-379593      Instrument ID: LEEMAN6  
Prep Method: 7471B      Prep Batch: 460-379531      Lab File ID: 071816(TS).CSV  
Dilution: 1.0      Initial Weight/Volume: 0.61 g  
Analysis Date: 07/18/2016 0938      Final Weight/Volume: 50 mL  
Prep Date: 07/18/2016 0453

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.032		0.013	0.019

## Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: W108-SB-15(0-2)**

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

### 6020A Metals (ICP/MS)

Analysis Method: 6020A	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379489	Lab File ID: 064SMPL.D
Dilution: 20		Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 2001		Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		264		0.17	0.47
Antimony		0.0097	U F1	0.0097	0.024
Arsenic		0.059	F1	0.011	0.024
Barium		3.4		0.016	0.047
Beryllium		0.0087	J F1	0.0030	0.0094
Cadmium		0.0074	U F1	0.0074	0.024
Calcium		242		0.84	2.4
Chromium		0.56	F1	0.018	0.047
Cobalt		0.17	F1	0.018	0.047
Copper		0.31	F1	0.016	0.047
Iron		343		0.61	1.4
Lead		0.40	F1	0.0052	0.014
Magnesium		109		0.85	2.4
Manganese		4.4	F1	0.037	0.094
Nickel		0.42	F1	0.018	0.047
Potassium		89.9	F1	0.80	2.4
Selenium		0.0091	U F1	0.0091	0.12
Silver		0.018	U F1	0.018	0.024
Thallium		0.0052	J F1	0.0037	0.0094
Vanadium		0.71	F1	0.018	0.047
Zinc		0.89	F1	0.057	0.19

Analysis Method: 6020A	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Prep Method: 3050B	Prep Batch: 460-379489	Lab File ID: 098SMPL.D
Dilution: 20		Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 2324		Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sodium		10.7		0.90	2.4

### 7471B Mercury (CVAA)

Analysis Method: 7471B	Analysis Batch: 460-379593	Instrument ID: LEEMAN6
Prep Method: 7471B	Prep Batch: 460-379531	Lab File ID: 071816(TS).CSV
Dilution: 1.0		Initial Weight/Volume: 0.66 g
Analysis Date: 07/18/2016 0921		Final Weight/Volume: 50 mL
Prep Date: 07/18/2016 0453		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.061	F1	0.013	0.018

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

## 6020A Metals (ICP/MS)

Analysis Method: 6020A      Analysis Batch: 460-379330      Instrument ID: ICPMS2  
Prep Method: 3010A      Prep Batch: 460-379231      Lab File ID: 060SMPL.D  
Dilution: 2.0      Initial Weight/Volume: 50 mL  
Analysis Date: 07/15/2016 1856      Final Weight/Volume: 50 mL  
Prep Date: 07/15/2016 0730

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	13.5	U	13.5	40.0
Antimony	0.76	U	0.76	2.0
Arsenic	0.71	U	0.71	2.0
Barium	1.5	U	1.5	4.0
Beryllium	0.29	U	0.29	0.80
Cadmium	0.72	U	0.72	2.0
Calcium	69.5	U	69.5	200
Chromium	1.5	U	1.5	4.0
Cobalt	1.5	U	1.5	4.0
Copper	1.6	U	1.6	4.0
Iron	49.1	U	49.1	120
Lead	0.44	U	0.44	1.2
Magnesium	68.4	U	68.4	200
Manganese	3.0	U	3.0	8.0
Nickel	1.6	U	1.6	4.0
Potassium	74.8	U	74.8	200
Selenium	0.79	U	0.79	10.0
Silver	1.5	U	1.5	2.0
Sodium	87.6	U	87.6	200
Thallium	0.31	U	0.31	0.80
Vanadium	1.4	U	1.4	4.0
Zinc	6.5	U	6.5	16.0

## 7470A Mercury (CVAA)

Analysis Method: 7470A      Analysis Batch: 460-379655      Instrument ID: LEEMAN6  
Prep Method: 7470A      Prep Batch: 460-379600      Lab File ID: 37600hg1.CSV  
Dilution: 1.0      Initial Weight/Volume: 30 mL  
Analysis Date: 07/18/2016 1357      Final Weight/Volume: 30 mL  
Prep Date: 07/18/2016 1155

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.14	U	0.14	0.20

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-12 (0-2)

Lab Sample ID: 460-116807-1

Date Sampled: 07/11/2016 1125

Client Matrix: Solid

% Moisture: 15.0

Date Received: 07/11/2016 1940

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.9	J	mg/Kg	0.95	2.4	1.0	7196A
	Analysis Batch: 460-378837	Analysis Date: 07/13/2016 1150					DryWt Corrected: Y
	Prep Batch: 460-378798	Prep Date: 07/13/2016 0500					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-378889	Analysis Date: 07/13/2016 1601					DryWt Corrected: N
Percent Solids	85.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-378889	Analysis Date: 07/13/2016 1601					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-5(0-2)

Lab Sample ID: 460-116858-1

Date Sampled: 07/12/2016 1155

Client Matrix: Solid

% Moisture: 10.7

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.93	U	mg/Kg	0.93	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1329					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	89.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-5(8-10)**

Lab Sample ID: 460-116858-2

Date Sampled: 07/12/2016 1205

Client Matrix: Solid

% Moisture: 14.8

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.96	U	mg/Kg	0.96	2.4	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	85.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** FB20160712

Lab Sample ID: 460-116858-5FB

Client Matrix: Water

Date Sampled: 07/12/2016 1225

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	4.9	U	ug/L	4.9	10.0	1.0	7196A

Analysis Batch: 460-378812 Analysis Date: 07/13/2016 0745

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-2-(0-2)

Lab Sample ID: 460-116858-6

Date Sampled: 07/12/2016 1300

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.94	U	mg/Kg	0.94	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	88.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-X(3-4)

Lab Sample ID: 460-116858-7

Date Sampled: 07/12/2016 1310

Client Matrix: Solid

% Moisture: 14.6

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.92	U	mg/Kg	0.92	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	85.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-2(3-4)**

Lab Sample ID: 460-116858-8

Date Sampled: 07/12/2016 1325

Client Matrix: Solid

% Moisture: 12.0

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.95	U	mg/Kg	0.95	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	88.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-3(0-2)

Lab Sample ID: 460-116858-9

Date Sampled: 07/12/2016 1426

Client Matrix: Solid

% Moisture: 16.9

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.98	U	mg/Kg	0.98	2.4	1.0	7196A
	Analysis Batch: 460-379018	Analysis Date: 07/14/2016 1150					DryWt Corrected: Y
	Prep Batch: 460-379011	Prep Date: 07/14/2016 0845					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	83.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-4(0-2)

Lab Sample ID: 460-116858-10

Date Sampled: 07/12/2016 1520

Client Matrix: Solid

% Moisture: 21.4

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	1.1	2.6	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N
Percent Solids	78.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379325	Analysis Date: 07/15/2016 1410					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-4(5-7)

Lab Sample ID: 460-116858-11

Date Sampled: 07/12/2016 1540

Client Matrix: Solid

% Moisture: 26.5

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	1.1	2.6	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N
Percent Solids	73.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-1(0-2)

Lab Sample ID: 460-116858-12

Date Sampled: 07/12/2016 1545

Client Matrix: Solid

% Moisture: 23.2

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	1.1	2.6	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N
Percent Solids	76.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-1(5-7)**

Lab Sample ID: 460-116858-13

Date Sampled: 07/12/2016 1550

Client Matrix: Solid

% Moisture: 22.3

Date Received: 07/12/2016 1840

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	1.1	2.6	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N
Percent Solids	77.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379327	Analysis Date: 07/15/2016 1510					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-7 (0-2)**

Lab Sample ID: 460-116922-1

Date Sampled: 07/13/2016 1445

Client Matrix: Solid

% Moisture: 14.7

Date Received: 07/13/2016 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.93	U	mg/Kg	0.93	2.3	1.0	7196A
	Analysis Batch: 460-379492	Analysis Date: 07/17/2016 1307					DryWt Corrected: Y
	Prep Batch: 460-379478	Prep Date: 07/16/2016 1535					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N
Percent Solids	85.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-9 (0-2)**

Lab Sample ID: 460-116922-2

Date Sampled: 07/13/2016 1405

Client Matrix: Solid

% Moisture: 16.8

Date Received: 07/13/2016 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.95	U	mg/Kg	0.95	2.3	1.0	7196A
	Analysis Batch: 460-379492	Analysis Date: 07/17/2016 1400					DryWt Corrected: Y
	Prep Batch: 460-379478	Prep Date: 07/16/2016 1535					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N
Percent Solids	83.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-8 (0-2)

Lab Sample ID: 460-116922-3

Date Sampled: 07/13/2016 1115

Client Matrix: Solid

% Moisture: 11.7

Date Received: 07/13/2016 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.91	U	mg/Kg	0.91	2.2	1.0	7196A
	Analysis Batch: 460-379492	Analysis Date: 07/17/2016 1400					DryWt Corrected: Y
	Prep Batch: 460-379478	Prep Date: 07/16/2016 1535					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N
Percent Solids	88.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: W108-SB-10 (0-2)**

Lab Sample ID: 460-116922-4

Date Sampled: 07/13/2016 1230

Client Matrix: Solid

% Moisture: 15.3

Date Received: 07/13/2016 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.98	U	mg/Kg	0.98	2.4	1.0	7196A
	Analysis Batch: 460-379492	Analysis Date: 07/17/2016 1400					DryWt Corrected: Y
	Prep Batch: 460-379478	Prep Date: 07/16/2016 1535					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N
Percent Solids	84.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-6 (0-2)

Lab Sample ID: 460-116922-5

Date Sampled: 07/12/2016 1025

Client Matrix: Solid

% Moisture: 12.6

Date Received: 07/13/2016 1900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.93	U	mg/Kg	0.93	2.3	1.0	7196A
	Analysis Batch: 460-379492	Analysis Date: 07/17/2016 1307					DryWt Corrected: Y
	Prep Batch: 460-379478	Prep Date: 07/16/2016 1535					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N
Percent Solids	87.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379349	Analysis Date: 07/15/2016 1600					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-13(0-2)

Lab Sample ID: 460-116994-1

Date Sampled: 07/14/2016 1405

Client Matrix: Solid

% Moisture: 18.5

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.0	U	mg/Kg	1.0	2.5	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1329					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	81.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-14(0-2)

Lab Sample ID: 460-116994-2

Date Sampled: 07/14/2016 1455

Client Matrix: Solid

% Moisture: 17.5

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.0	U	mg/Kg	1.0	2.5	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1430					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	82.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-Y

Lab Sample ID: 460-116994-3

Client Matrix: Solid

% Moisture: 9.6

Date Sampled: 07/14/2016 1015

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.92	U	mg/Kg	0.92	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1534					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	90.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-12C(0-2)

Lab Sample ID: 460-116994-4

Date Sampled: 07/14/2016 1110

Client Matrix: Solid

% Moisture: 11.4

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.94	U	mg/Kg	0.94	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1534					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	88.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-12B(0-2)

Lab Sample ID: 460-116994-5

Date Sampled: 07/14/2016 0930

Client Matrix: Solid

% Moisture: 11.8

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.95	U	mg/Kg	0.95	2.3	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1534					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	88.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-11(0-2)

Lab Sample ID: 460-116994-6

Date Sampled: 07/14/2016 1245

Client Matrix: Solid

% Moisture: 9.5

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.89	U	mg/Kg	0.89	2.2	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1534					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	90.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-12B(2-4)

Lab Sample ID: 460-116994-7

Date Sampled: 07/14/2016 0950

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.88	U	mg/Kg	0.88	2.2	1.0	7196A
	Analysis Batch: 460-380067	Analysis Date: 07/20/2016 1534					DryWt Corrected: Y
	Prep Batch: 460-380031	Prep Date: 07/20/2016 0925					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	89.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID:** W108-SB-15(0-2)

Lab Sample ID: 460-116994-8

Date Sampled: 07/14/2016 1520

Client Matrix: Solid

% Moisture: 15.1

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	0.96	U	mg/Kg	0.96	2.4	1.0	7196A
	Analysis Batch: 460-379443	Analysis Date: 07/15/2016 1723					DryWt Corrected: Y
	Prep Batch: 460-379419	Prep Date: 07/15/2016 1530					

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N
Percent Solids	84.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-379836	Analysis Date: 07/19/2016 1145					DryWt Corrected: N

# Analytical Data

Client: AKRF Inc

Job Number: 460-116807-1

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## General Chemistry

**Client Sample ID: FB20160714**

Lab Sample ID: 460-116994-10FB

Date Sampled: 07/14/2016 1430

Client Matrix: Water

Date Received: 07/14/2016 2000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	4.9	U	ug/L	4.9	10.0	1.0	7196A

Analysis Batch: 460-379300 Analysis Date: 07/15/2016 1325

**Surrogate Recovery Report**

**8260C Volatile Organic Compounds by GC/MS**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
460-116807-1	W108-SB-12 (0-2)	101	103	100	99
460-116858-1	W108-SB-5(0-2)	94	98	96	95
460-116858-2	W108-SB-5(8-10)	91	96	92	91
460-116858-7	W108-SB-X(3-4)	96	131	103	92
460-116858-9	W108-SB-3(0-2)	90	101	103	101
460-116858-10	W108-SB-4(0-2)	98	103	99	99
460-116858-12	W108-SB-1(0-2)	100	106	102	100
460-116858-13	W108-SB-1(5-7)	92	100	103	124
460-116922-1	W108-SB-7 (0-2)	72	107	99	97
460-116922-2	W108-SB-9 (0-2)	112	108	102	104
460-116922-3	W108-SB-8 (0-2)	113	108	104	105
460-116922-4	W108-SB-10 (0-2)	110	107	100	103
460-116922-5	W108-SB-6 (0-2)	114	110	105	107
460-116994-1	W108-SB-13(0-2)	102	104	99	99
460-116994-2	W108-SB-14(0-2)	103	109	102	102
460-116994-3	W108-SB-Y	102	104	98	101
460-116994-4	W108-SB-12C(0-2)	91	95	102	104
460-116994-5	W108-SB-12B(0-2)	90	93	97	102
460-116994-6	W108-SB-11(0-2)	104	106	106	107
460-116994-7	W108-SB-12B(2-4)	102	105	108	104
460-116994-8	W108-SB-15(0-2)	108	109	108	107
MB 460-378974/7		95	99	98	96
MB 460-378976/7		106	103	103	103
MB 460-379129/7		108	101	101	101
MB 460-379152/7		95	99	97	95
MB 460-379412/7		97	99	99	97
MB 460-379471/7		102	104	102	101
MB 460-379524/8		83	82	90	91
LB3 460-378784/1-A		95	101	99	98

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	61-149
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
TOL = Toluene-d8 (Surr)	73-121
BFB = 4-Bromofluorobenzene	67-126

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8260C Volatile Organic Compounds by GC/MS**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
LB3 460-378935/1-A		108	104	101	106
LB3 460-379235/1-A		103	104	102	100
LCS 460-378974/3		101	104	102	100
LCS 460-378976/3		103	100	103	103
LCS 460-379129/3		105	100	103	104
LCS 460-379152/3		102	103	101	98
LCS 460-379412/3		103	103	102	99
LCS 460-379471/3		110	105	105	104
LCS 460-379524/4		93	92	97	97
LCSD 460-378976/4		103	102	102	103
LCSD 460-379129/4		105	99	103	104
LCSD 460-379152/4		108	109	105	104
LCSD 460-379412/4		98	98	99	95
LCSD 460-379524/5		89	87	93	93
460-116858-9 MS	W108-SB-3(0-2) MS	91	105	104	103
460-116994-8 MS	W108-SB-15(0-2) MS	104	106	103	102
460-116858-9 MSD	W108-SB-3(0-2) MSD	89	100	103	102
460-116994-8 MSD	W108-SB-15(0-2) MSD	110	110	107	106

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	61-149
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
TOL = Toluene-d8 (Surr)	73-121
BFB = 4-Bromofluorobenzene	67-126

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8260C Volatile Organic Compounds by GC/MS**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
460-116858-6	W108-SB-2-(0-2)	94	113	101	96
460-116858-8	W108-SB-2(3-4)	96	118	99	98
460-116858-11	W108-SB-4(5-7)	93	111	102	95
MB 460-379053/8		97	108	100	94
MB 460-379154/7		101	106	99	100
MB 460-379260/9		97	107	98	95
LCS 460-379053/3		97	105	99	97
LCS 460-379154/3		100	109	99	95
LCS 460-379260/5		99	110	97	96
LCSD 460-379154/4		100	111	100	102
460-116581-A-13-A MS		94	105	94	97
460-116771-B-1-A MS		100	120	106	100
460-116581-A-13-A MSD		101	111	100	104
460-116771-B-1-A MSD		100	116	95	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	74-134
DCA = 1,2-Dichloroethane-d4 (Surr)	69-145
TOL = Toluene-d8 (Surr)	72-136
BFB = 4-Bromofluorobenzene	64-131

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8260C Volatile Organic Compounds by GC/MS**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
460-116858-4	TB20160712	103	112	103	92
460-116858-5	FB20160712	104	113	105	80
460-116994-10	FB20160714	100	110	101	87
460-117248-1	TB20160714	90	90	95	102
MB 460-379337/7		104	111	103	93
MB 460-379422/7		104	111	103	94
MB 460-380463/7		89	91	94	101
LCS 460-379337/3		114	124	116	110
LCS 460-379422/3		104	112	103	96
LCS 460-380463/3		87	87	92	99
LCSD 460-379337/4		103	108	102	97
460-116741-B-1 MS		104	110	100	95
460-117128-C-3 MS		87	91	93	101
460-116741-B-1 MSD		102	109	102	96
460-117128-C-3 MSD		90	90	91	100

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	72-136
DCA = 1,2-Dichloroethane-d4 (Surr)	70-137
TOL = Toluene-d8 (Surr)	74-120
BFB = 4-Bromofluorobenzene	70-131

**Surrogate Recovery Report**

**8270D Semivolatile Organic Compounds (GC/MS)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPHL %Rec
460-116807-1	W108-SB-12 (0-2)	68	67	78	82	60	56
460-116858-1	W108-SB-5(0-2)	64	62	72	76	51	63
460-116858-2	W108-SB-5(8-10)	65	66	73	77	54	69
460-116858-6	W108-SB-2-(0-2)	59	62	66	84	9X	71
460-116858-7	W108-SB-X(3-4)	75	76	77	92X	29	95
460-116858-8	W108-SB-2(3-4)	65	64	66	81	33	83
460-116858-9	W108-SB-3(0-2)	70	73	70	85X	26	90
460-116858-10	W108-SB-4(0-2)	64	62	64	81	42	80
460-116858-11	W108-SB-4(5-7)	63	62	81	82	42	73
460-116858-12	W108-SB-1(0-2)	66	66	67	82	17	80
460-116858-13	W108-SB-1(5-7)	67	67	69	89X	8X	63
460-116922-1	W108-SB-7 (0-2)	18X	44	75	74	1X	75
460-116922-2	W108-SB-9 (0-2)	64	69	74	74	47	85
460-116922-3	W108-SB-8 (0-2)	67	72	75	76	52	86
460-116922-4	W108-SB-10 (0-2)	42	58	78	72	14	76
460-116922-5	W108-SB-6 (0-2)	71	78	81	81	50	93
460-116994-1	W108-SB-13(0-2)	53	57	68	63	37	65
460-116994-2	W108-SB-14(0-2)	56	55	66	67	41	60
460-116994-3	W108-SB-Y	61	61	68	67	73	62
460-116994-4	W108-SB-12C(0-2)	25	51	71	66	8X	63
460-116994-5	W108-SB-12B(0-2)	53	54	63	63	59	55
460-116994-6	W108-SB-11(0-2)	44	56	70	70	25	59
460-116994-7	W108-SB-12B(2-4)	63	65	75	65	69	63
460-116994-8	W108-SB-15(0-2)	56	62	62	70	31	55
MB 460-379071/1-A		72	75	76	71	88	79
MB 460-379075/1-A		72	68	69	84	31	86
MB 460-379309/1-A		70	71	77	75	70	80
LCS 460-379071/2-A		88X	88	94X	93X	110X	100
LCS 460-379071/3-A		87X	88	90	86X	102X	98

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	21-84
PHL = Phenol-d5 (Surr)	22-88
NBZ = Nitrobenzene-d5 (Surr)	28-92
FBP = 2-Fluorobiphenyl	27-84
TBP = 2,4,6-Tribromophenol (Surr)	10-95
TPHL = Terphenyl-d14 (Surr)	16-114

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8270D Semivolatile Organic Compounds (GC/MS)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPHL %Rec
LCS 460-379075/2-A		81	79	79	99X	61	100
LCS 460-379075/3-A		81	76	77	91X	52	96
LCS 460-379309/2-A		81	79	85	87X	100X	89
LCS 460-379309/3-A		85X	84	90	83	99X	90
460-116858-9 MS	W108-SB-3(0-2) MS	74	72	73	92X	47	87
460-116994-8 MS	W108-SB-15(0-2) MS	59	71	71	80	37	61
460-116902-D-4-C MS		50	64	75	74	25	78
460-116858-9 MSD	W108-SB-3(0-2) MSD	69	70	71	91X	43	89
460-116994-8 MSD	W108-SB-15(0-2) MSD	65	75	76	82	49	63
460-116902-D-4-D MSD		63	75	83	83	36	85

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	21-84
PHL = Phenol-d5 (Surr)	22-88
NBZ = Nitrobenzene-d5 (Surr)	28-92
FBP = 2-Fluorobiphenyl	27-84
TBP = 2,4,6-Tribromophenol (Surr)	10-95
TPHL = Terphenyl-d14 (Surr)	16-114

**Surrogate Recovery Report**

**8270D Semivolatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPHL %Rec
460-116858-5	FB20160712	44	29	94	86	96	111
460-116994-10	FB20160714	43	27	87	65	93	97
MB 460-378878/1-A		43	30	82	75	93	97
MB 460-379320/1-A		49	28	95	73	104	100
LCS 460-378878/2-A		41	26	86	79	87	82
LCS 460-378878/4-A		28	19	56X	47X	59	70
LCS 460-379320/2-A		45	29	91	84	97	94
LCS 460-379320/3-A		46	26	88	68	95	88
LCSD 460-378878/3-A		42	27	84	87	81	77
LCSD 460-378878/5-A		31	19	56X	46X	54	65
460-116960-G-1-A MS		50	28	97	95	106	99
460-116960-D-1-A MSD		40	24	85	82	96	89

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	13-77
PHL = Phenol-d5 (Surr)	10-53
NBZ = Nitrobenzene-d5 (Surr)	62-120
FBP = 2-Fluorobiphenyl	63-113
TBP = 2,4,6-Tribromophenol (Surr)	43-126
TPHL = Terphenyl-d14 (Surr)	57-125

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8081B Organochlorine Pesticides (GC)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCBP1 %Rec	DCBP2 %Rec
460-116807-1	W108-SB-12 (0-2)	81	104	78	99
460-116858-1	W108-SB-5(0-2)	107	106	110	117
460-116858-2	W108-SB-5(8-10)	109	107	112	114
460-116858-6	W108-SB-2-(0-2)	103	95	107	103
460-116858-7	W108-SB-X(3-4)	106	102	110	112
460-116858-8	W108-SB-2(3-4)	118	117	122	124
460-116858-9	W108-SB-3(0-2)	115	115	120	119
460-116858-10	W108-SB-4(0-2)	111	109	114	114
460-116858-11	W108-SB-4(5-7)	104	98	98	104
460-116858-12	W108-SB-1(0-2)	102	104	92	105
460-116858-13	W108-SB-1(5-7)	100	97	93	102
460-116922-1	W108-SB-7 (0-2)	106	106	103	109
460-116922-2	W108-SB-9 (0-2)	106	101	105	111
460-116922-3	W108-SB-8 (0-2)	109	104	102	110
460-116922-4	W108-SB-10 (0-2)	92	88	89	95
460-116922-5	W108-SB-6 (0-2)	101	96	97	104
460-116994-1	W108-SB-13(0-2)	86	84	91	90
460-116994-2	W108-SB-14(0-2)	90	88	98	96
460-116994-3	W108-SB-Y	77	77	84	92
460-116994-4	W108-SB-12C(0-2)	82	81	86	87
460-116994-5	W108-SB-12B(0-2)	87	84	91	90
460-116994-6	W108-SB-11(0-2)	86	84	88	87
460-116994-7	W108-SB-12B(2-4)	79	79	86	87
460-116994-8	W108-SB-15(0-2)	89	88	92	94
MB 460-378924/1-A		127	124	129	130
MB 460-379172/1-A		113	110	118	116
MB 460-379394/1-A		113	112	107	118
MB 460-379394/1-A RA		112	116	107	116
MB 460-379501/1-A		95	91	95	96

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	55-139
DCBP = DCB Decachlorobiphenyl	55-148

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8081B Organochlorine Pesticides (GC)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCBP1 %Rec	DCBP2 %Rec
LCS 460-378924/2-A		130	123	126	128
LCS 460-379172/2-A		120	116	124	122
LCS 460-379394/2-A		117	114	114	125
LCS 460-379394/2-A RA		125	120	110	125
LCS 460-379501/2-A		81	76	78	79
460-116858-9 MS	W108-SB-3(0-2) MS	109	105	112	109
460-116922-5 MS	W108-SB-6 (0-2) MS	114	111	110	117
460-116994-8 MS	W108-SB-15(0-2) MS	100	94	100	99
460-116815-A-1-D MS		127	120	127	128
460-116858-9 MSD	W108-SB-3(0-2) MSD	119	112	122	118
460-116922-5 MSD	W108-SB-6 (0-2) MSD	103	106	103	112
460-116994-8 MSD	W108-SB-15(0-2) MSD	89	82	85	87
460-116815-A-1-E MSD		127	119	122	125

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	55-139
DCBP = DCB Decachlorobiphenyl	55-148

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8081B Organochlorine Pesticides (GC)**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCBP1 %Rec	DCBP2 %Rec
460-116858-5	FB20160712	187X	167X	155X	160X
460-116994-10	FB20160714	87	84	75	84
MB 460-378802/1-A		122	123	132	140
MB 460-379236/1-A		86	86	85	94
LB 460-378662/1-C		96	97	90	102
LCS 460-378802/2-A		142	133	122	131
LCS 460-379236/2-A		124	121	114	126
LCSD 460-378802/3-A		130	119	109	117
460-116966-G-4-A MS		105	97	101	108
460-116966-I-4-A MSD		105	101	102	111

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	47-150
DCBP = DCB Decachlorobiphenyl	16-144

**Surrogate Recovery Report**

**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec
460-116807-1	W108-SB-12 (0-2)	120	105
460-116858-1	W108-SB-5(0-2)	130	127
460-116858-2	W108-SB-5(8-10)	126	126
460-116858-6	W108-SB-2-(0-2)	118	115
460-116858-7	W108-SB-X(3-4)	123	121
460-116858-8	W108-SB-2(3-4)	121	119
460-116858-9	W108-SB-3(0-2)	111	113
460-116858-10	W108-SB-4(0-2)	122	121
460-116858-11	W108-SB-4(5-7)	136	137
460-116858-12	W108-SB-1(0-2)	101	109
460-116858-13	W108-SB-1(5-7)	108	120
460-116922-1	W108-SB-7 (0-2)	110	115
460-116922-2	W108-SB-9 (0-2)	125	128
460-116922-3	W108-SB-8 (0-2)	127	132
460-116922-4	W108-SB-10 (0-2)	128	137
460-116922-5	W108-SB-6 (0-2)	134	114
460-116994-1	W108-SB-13(0-2)	129	134
460-116994-2	W108-SB-14(0-2)	163X	182X
460-116994-3	W108-SB-Y	91	74
460-116994-4	W108-SB-12C(0-2)	121	112
460-116994-5	W108-SB-12B(0-2)	173X	199X
460-116994-6	W108-SB-11(0-2)	113	105
460-116994-7	W108-SB-12B(2-4)	134	127
460-116994-8	W108-SB-15(0-2)	78	78
MB 460-378922/1-A		108	87
MB 460-379169/1-A		130	126
MB 460-379169/1-A RA		131	128
MB 460-379397/1-A		141	123
MB 460-379502/1-A		134	117

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	47-150

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec
LCS 460-378922/2-A		119	94
LCS 460-379169/2-A		117	113
LCS 460-379169/2-A RA		115	111
LCS 460-379397/2-A		143	120
LCS 460-379502/2-A		139	140
460-116858-9 MS	W108-SB-3(0-2) MS	133	132
460-116922-5 MS	W108-SB-6 (0-2) MS	148	127
460-116994-8 MS	W108-SB-15(0-2) MS	116	117
460-116794-B-1-E MS		127	105
460-116858-9 MSD	W108-SB-3(0-2) MSD	126	126
460-116922-5 MSD	W108-SB-6 (0-2) MSD	126	130
460-116994-8 MSD	W108-SB-15(0-2) MSD	79	81
460-116794-B-1-F MSD		120	104

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	47-150

Client: AKRF Inc

Job Number: 460-116807-1

**Surrogate Recovery Report**

**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCBP1 %Rec	DCBP2 %Rec
460-116858-5	FB20160712	114	118
460-116994-10	FB20160714	78	73
MB 460-378807/1-A		99	91
MB 460-379239/1-A		100	93
LCS 460-378807/2-A		104	105
LCS 460-379239/2-A		106	99
LCSD 460-378807/3-A		104	103
LCSD 460-379239/3-A		94	86

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	10-150

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-377867**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116581-A-13-A MS	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-377867	Lab File ID: B02805.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 4.97 g
Analysis Date: 07/14/2016 1551		Final Weight/Volume: 10 mL
Prep Date: 07/07/2016 1759		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116581-A-13-A MSD	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-377867	Lab File ID: B02806.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 4.97 g
Analysis Date: 07/14/2016 1615		Final Weight/Volume: 10 mL
Prep Date: 07/07/2016 1759		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	89	85	81 - 125	5	30		
1,1,2,2-Tetrachloroethane	89	89	59 - 130	0	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	99	115	69 - 135	16	30		
1,1,2-Trichloroethane	95	97	72 - 117	2	30		
1,1-Dichloroethane	90	99	78 - 123	9	30		
1,1-Dichloroethene	86	95	78 - 125	10	30		
1,2,3-Trichlorobenzene	92	104	35 - 143	13	30		
1,2,4-Trichlorobenzene	82	101	45 - 137	21	30		
1,2-Dibromo-3-Chloropropane	83	92	37 - 130	10	30		
1,2-Dichlorobenzene	90	96	80 - 120	7	30		
1,2-Dichloroethane	97	100	75 - 122	3	30		
1,2-Dichloropropane	93	98	76 - 124	5	30		
1,3-Dichlorobenzene	90	95	80 - 120	5	30		
1,4-Dichlorobenzene	86	92	80 - 120	7	30		
1,4-Dioxane	108	116	65 - 145	7	30		
2-Butanone (MEK)	97	98	40 - 150	1	30		
2-Hexanone	98	99	44 - 136	1	30		
4-Methyl-2-pentanone (MIBK)	99	101	62 - 124	1	30		
Acetone	92	95	10 - 150	4	30		
Benzene	90	96	77 - 121	6	30		
Bromodichloromethane	69	83	78 - 122	18	30	F1	
Bromoform	58	57	68 - 124	1	30	F1	F1
Bromomethane	98	97	66 - 145	1	30		
Carbon disulfide	68	78	72 - 127	13	30	F1	
Carbon tetrachloride	83	86	77 - 136	3	30		
Chlorobenzene	91	94	84 - 114	4	30		
Chlorobromomethane	96	109	82 - 124	13	30		
Chloroethane	90	98	68 - 144	8	30		
Chloroform	96	98	82 - 123	3	30		
Chloromethane	80	95	63 - 138	17	30		
cis-1,2-Dichloroethene	90	95	80 - 120	5	30		
cis-1,3-Dichloropropene	86	97	78 - 120	12	30		
Cyclohexane	94	105	64 - 128	11	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-377867**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116581-A-13-A MS	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-377867	Lab File ID: B02805.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 4.97 g
Analysis Date: 07/14/2016 1551		Final Weight/Volume: 10 mL
Prep Date: 07/07/2016 1759		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116581-A-13-A MSD	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-377867	Lab File ID: B02806.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 4.97 g
Analysis Date: 07/14/2016 1615		Final Weight/Volume: 10 mL
Prep Date: 07/07/2016 1759		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	73	75	83 - 121	3	30	F1	F1
Dichlorodifluoromethane	68	70	51 - 145	3	30		
Ethylbenzene	90	100	80 - 120	10	30		
Ethylene Dibromide	85	88	76 - 117	3	30		
Isopropylbenzene	90	95	81 - 124	6	30		
m&p-Xylene	95	98	81 - 117	2	30		
Methyl acetate	104	103	58 - 140	1	30		
Methyl tert-butyl ether	95	99	77 - 121	4	30		
Methylcyclohexane	95	100	55 - 133	5	30		
Methylene Chloride	85	93	78 - 122	9	30		
o-Xylene	87	97	79 - 116	10	30		
Styrene	88	92	80 - 120	5	30		
Tetrachloroethene	92	96	71 - 133	5	30		
Toluene	97	101	80 - 120	4	30		
trans-1,2-Dichloroethene	96	88	79 - 123	9	30		
trans-1,3-Dichloropropene	81	89	74 - 121	10	30		
Trichloroethene	89	89	82 - 122	0	30		
Trichlorofluoromethane	80	105	72 - 140	27	30		
Vinyl chloride	87	91	69 - 139	5	30		
Xylenes, Total	91	97	80 - 120	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	111	69 - 145
4-Bromofluorobenzene	97	104	64 - 131
Dibromofluoromethane (Surr)	94	101	74 - 134
Toluene-d8 (Surr)	94	100	72 - 136

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-377867**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116581-A-13-A MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/14/2016 1551  
 Prep Date: 07/07/2016 1759  
 Leach Date: N/A

MSD Lab Sample ID: 460-116581-A-13-A MSD  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/14/2016 1615  
 Prep Date: 07/07/2016 1759  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.034 U	2.41	2.41	2.15	2.04
1,1,2,2-Tetrachloroethane	0.023 U	2.41	2.41	2.15	2.15
1,1,2-Trichloro-1,2,2-trifluoroethane	0.041 U	2.41	2.41	2.37	2.78
1,1,2-Trichloroethane	0.0096 U	2.41	2.41	2.28	2.32
1,1-Dichloroethane	0.029 U	2.41	2.41	2.17	2.39
1,1-Dichloroethene	0.041 U	2.41	2.41	2.06	2.29
1,2,3-Trichlorobenzene	0.042 U	2.41	2.41	2.21	2.51
1,2,4-Trichlorobenzene	0.033 U	2.41	2.41	1.97	2.43
1,2-Dibromo-3-Chloropropane	0.028 U	2.41	2.41	2.00	2.22
1,2-Dichlorobenzene	0.026 U	2.41	2.41	2.16	2.31
1,2-Dichloroethane	0.030 U	2.41	2.41	2.34	2.42
1,2-Dichloropropane	0.022 U	2.41	2.41	2.23	2.35
1,3-Dichlorobenzene	0.040 U	2.41	2.41	2.17	2.29
1,4-Dichlorobenzene	0.040 U	2.41	2.41	2.07	2.21
1,4-Dioxane	1.0 U	48.2	48.2	52.2	55.8
2-Butanone (MEK)	0.26 U	12.0	12.0	11.7	11.8
2-Hexanone	0.087 U	12.0	12.0	11.8	11.9
4-Methyl-2-pentanone (MIBK)	0.076 U	12.0	12.0	12.0	12.1
Acetone	0.13 U	12.0	12.0	11.0	11.5
Benzene	0.023 U	2.41	2.41	2.16	2.30
Bromodichloromethane	0.018 U	2.41	2.41	1.67	F1 2.00
Bromoform	0.022 U	2.41	2.41	1.39	F1 1.38
Bromomethane	0.022 U	2.41	2.41	2.35	2.34
Carbon disulfide	0.026 U	2.41	2.41	1.65	F1 1.87
Carbon tetrachloride	0.040 U	2.41	2.41	2.00	2.06
Chlorobenzene	0.029 U	2.41	2.41	2.19	2.26
Chlorobromomethane	0.036 U	2.41	2.41	2.30	2.61
Chloroethane	0.045 U	2.41	2.41	2.17	2.36
Chloroform	0.026 U	2.41	2.41	2.31	2.37
Chloromethane	0.026 U	2.41	2.41	1.92	2.28
cis-1,2-Dichloroethene	0.036 J	2.41	2.41	2.21	2.33
cis-1,3-Dichloropropene	0.019 U	2.41	2.41	2.06	2.33
Cyclohexane	0.031 U	2.41	2.41	2.27	2.54
Dibromochloromethane	0.026 U	2.41	2.41	1.75	F1 1.81
Dichlorodifluoromethane	0.017 U	2.41	2.41	1.63	1.68
Ethylbenzene	0.036 U	2.41	2.41	2.17	2.40
Ethylene Dibromide	0.023 U	2.41	2.41	2.06	2.13
Isopropylbenzene	0.039 U	2.41	2.41	2.17	2.30
m&p-Xylene	0.034 U	2.41	2.41	2.30	2.35
Methyl acetate	0.070 U	12.0	12.0	12.5	12.4
Methyl tert-butyl ether	0.016 U	2.41	2.41	2.29	2.38
Methylcyclohexane	0.026 U	2.41	2.41	2.29	2.42
Methylene Chloride	0.025 U	2.41	2.41	2.05	2.24

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-377867**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116581-A-13-A MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/14/2016 1551  
 Prep Date: 07/07/2016 1759  
 Leach Date: N/A

MSD Lab Sample ID: 460-116581-A-13-A MSD  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/14/2016 1615  
 Prep Date: 07/07/2016 1759  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
o-Xylene	0.039	U	2.41	2.41	2.10	2.33
Styrene	0.020	U	2.41	2.41	2.13	2.23
Tetrachloroethene	0.043	U	2.41	2.41	2.21	2.32
Toluene	0.030	U	2.41	2.41	2.35	2.44
trans-1,2-Dichloroethene	0.022	U	2.41	2.41	2.31	2.11
trans-1,3-Dichloropropene	0.023	U	2.41	2.41	1.94	2.14
Trichloroethene	0.49		2.41	2.41	2.64	2.65
Trichlorofluoromethane	0.018	U	2.41	2.41	1.93	2.54
Vinyl chloride	0.024	U	2.41	2.41	2.10	2.20
Xylenes, Total	0.034	U	4.82	4.82	4.40	4.68

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378456**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116771-B-1-A MS	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-378456	Lab File ID: B02874.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 10.79 g
Analysis Date: 07/15/2016 2125		Final Weight/Volume: 25 mL
Prep Date: 07/11/2016 1810		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116771-B-1-A MSD	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-378456	Lab File ID: B02875.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 10.79 g
Analysis Date: 07/15/2016 2149		Final Weight/Volume: 25 mL
Prep Date: 07/11/2016 1810		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	80	77	81 - 125	3	30	F1	F1
1,1,2,2-Tetrachloroethane	80	77	59 - 130	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	64	60	69 - 135	7	30	F1	F1
1,1,2-Trichloroethane	93	89	72 - 117	4	30		
1,1-Dichloroethane	87	85	78 - 123	3	30		
1,1-Dichloroethene	72	71	78 - 125	1	30	F1	F1
1,2,3-Trichlorobenzene	83	93	35 - 143	11	30		
1,2,4-Trichlorobenzene	83	86	45 - 137	4	30		
1,2-Dibromo-3-Chloropropane	83	79	37 - 130	5	30		
1,2-Dichlorobenzene	90	79	80 - 120	13	30		F1
1,2-Dichloroethane	95	91	75 - 122	5	30		
1,2-Dichloropropane	92	83	76 - 124	10	30		
1,3-Dichlorobenzene	89	82	80 - 120	8	30		
1,4-Dichlorobenzene	85	78	80 - 120	8	30		F1
1,4-Dioxane	92	66	65 - 145	33	30		F2
2-Butanone (MEK)	89	88	40 - 150	1	30		
2-Hexanone	91	87	44 - 136	5	30		
4-Methyl-2-pentanone (MIBK)	92	89	62 - 124	3	30		
Acetone	86	88	10 - 150	3	30		
Benzene	91	82	77 - 121	10	30		
Bromodichloromethane	77	71	78 - 122	9	30	F1	F1
Bromoform	57	55	68 - 124	4	30	F1	F1
Bromomethane	109	106	66 - 145	3	30		
Carbon disulfide	52	51	72 - 127	1	30	F1	F1
Carbon tetrachloride	68	63	77 - 136	9	30	F1	F1
Chlorobenzene	90	81	84 - 114	11	30		F1
Chlorobromomethane	90	86	82 - 124	5	30		
Chloroethane	113	108	68 - 144	5	30		
Chloroform	88	85	82 - 123	3	30		
Chloromethane	107	108	63 - 138	1	30		
cis-1,2-Dichloroethene	90	84	80 - 120	7	30		
cis-1,3-Dichloropropene	88	83	78 - 120	6	30		
Cyclohexane	70	66	64 - 128	7	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378456**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116771-B-1-A MS	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-378456	Lab File ID: B02874.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 10.79 g
Analysis Date: 07/15/2016 2125		Final Weight/Volume: 25 mL
Prep Date: 07/11/2016 1810		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116771-B-1-A MSD	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: 460-378456	Lab File ID: B02875.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 10.79 g
Analysis Date: 07/15/2016 2149		Final Weight/Volume: 25 mL
Prep Date: 07/11/2016 1810		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	69	67	83 - 121	3	30	F1	F1
Dichlorodifluoromethane	87	81	51 - 145	7	30		
Ethylbenzene	83	84	80 - 120	1	30		
Ethylene Dibromide	83	82	76 - 117	1	30		
Isopropylbenzene	86	79	81 - 124	9	30		F1
m&p-Xylene	83	78	81 - 117	5	30		F1
Methyl acetate	102	102	58 - 140	0	30		
Methyl tert-butyl ether	87	86	77 - 121	2	30		
Methylcyclohexane	62	61	55 - 133	2	30		
Methylene Chloride	85	90	78 - 122	5	30		
o-Xylene	86	79	79 - 116	8	30		
Styrene	85	81	80 - 120	5	30		
Tetrachloroethene	83	72	71 - 133	14	30		
Toluene	94	86	80 - 120	10	30		
trans-1,2-Dichloroethene	83	79	79 - 123	4	30		
trans-1,3-Dichloropropene	86	76	74 - 121	13	30		
Trichloroethene	84	79	82 - 122	6	30		F1
Trichlorofluoromethane	109	102	72 - 140	6	30		
Vinyl chloride	101	96	69 - 139	5	30		
Xylenes, Total	84	79	80 - 120	7	30		F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	116	69 - 145
4-Bromofluorobenzene	100	96	64 - 131
Dibromofluoromethane (Surr)	100	100	74 - 134
Toluene-d8 (Surr)	106	95	72 - 136

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378456**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116771-B-1-A MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 2125  
 Prep Date: 07/11/2016 1810  
 Leach Date: N/A

MSD Lab Sample ID: 460-116771-B-1-A MSD  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 2149  
 Prep Date: 07/11/2016 1810  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.041 U	2.93	2.93	2.34 F1	2.27 F1
1,1,2,2-Tetrachloroethane	0.028 U	2.93	2.93	2.35	2.27
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050 U	2.93	2.93	1.87 F1	1.75 F1
1,1,2-Trichloroethane	0.012 U	2.93	2.93	2.73	2.62
1,1-Dichloroethane	0.035 U	2.93	2.93	2.55	2.48
1,1-Dichloroethene	0.050 U	2.93	2.93	2.11 F1	2.09 F1
1,2,3-Trichlorobenzene	0.051 U	2.93	2.93	2.43	2.72
1,2,4-Trichlorobenzene	0.040 U	2.93	2.93	2.45	2.53
1,2-Dibromo-3-Chloropropane	0.034 U	2.93	2.93	2.43	2.32
1,2-Dichlorobenzene	0.032 U	2.93	2.93	2.64	2.32 F1
1,2-Dichloroethane	0.037 U	2.93	2.93	2.79	2.66
1,2-Dichloropropane	0.026 U	2.93	2.93	2.69	2.43
1,3-Dichlorobenzene	0.048 U	2.93	2.93	2.62	2.41
1,4-Dichlorobenzene	0.048 U	2.93	2.93	2.49	2.30 F1
1,4-Dioxane	1.3 U	58.6	58.6	53.6	38.5 F2
2-Butanone (MEK)	0.32 U	14.7	14.7	13.1	13.0
2-Hexanone	0.11 U	14.7	14.7	13.3	12.7
4-Methyl-2-pentanone (MIBK)	0.092 U	14.7	14.7	13.5	13.1
Acetone	0.16 U	14.7	14.7	12.5	12.9
Benzene	0.028 U	2.93	2.93	2.68	2.42
Bromodichloromethane	0.022 U	2.93	2.93	2.26 F1	2.08 F1
Bromoform	0.026 U	2.93	2.93	1.68 F1	1.61 F1
Bromomethane	0.026 U	2.93	2.93	3.21	3.10
Carbon disulfide	0.032 U	2.93	2.93	1.51 F1	1.51 F1
Carbon tetrachloride	0.048 U	2.93	2.93	2.00 F1	1.84 F1
Chlorobenzene	0.035 U	2.93	2.93	2.65	2.37 F1
Chlorobromomethane	0.044 U	2.93	2.93	2.65	2.52
Chloroethane	0.054 U	2.93	2.93	3.32	3.17
Chloroform	0.032 U	2.93	2.93	2.58	2.50
Chloromethane	0.032 U	2.93	2.93	3.15	3.16
cis-1,2-Dichloroethene	0.038 U	2.93	2.93	2.63	2.45
cis-1,3-Dichloropropene	0.023 U	2.93	2.93	2.58	2.44
Cyclohexane	0.038 U	2.93	2.93	2.06	1.92
Dibromochloromethane	0.032 U	2.93	2.93	2.03 F1	1.96 F1
Dichlorodifluoromethane	0.021 U	2.93	2.93	2.54	2.37
Ethylbenzene	0.044 U	2.93	2.93	2.43	2.45
Ethylene Dibromide	0.028 U	2.93	2.93	2.42	2.40
Isopropylbenzene	0.047 U	2.93	2.93	2.52	2.31 F1
m&p-Xylene	0.041 U	2.93	2.93	2.42	2.30 F1
Methyl acetate	0.085 U	14.7	14.7	15.0	14.9
Methyl tert-butyl ether	0.019 U	2.93	2.93	2.56	2.51
Methylcyclohexane	0.032 U	2.93	2.93	1.81	1.78
Methylene Chloride	0.031 U	2.93	2.93	2.50	2.64

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378456**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116771-B-1-A MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 2125  
 Prep Date: 07/11/2016 1810  
 Leach Date: N/A

MSD Lab Sample ID: 460-116771-B-1-A MSD  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 2149  
 Prep Date: 07/11/2016 1810  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
o-Xylene	0.047	U	2.93	2.93	2.53	2.33	
Styrene	0.025	U	2.93	2.93	2.49	2.36	
Tetrachloroethene	0.053	U	2.93	2.93	2.44	2.12	
Toluene	0.037	U	2.93	2.93	2.77	2.51	
trans-1,2-Dichloroethene	0.026	U	2.93	2.93	2.42	2.33	
trans-1,3-Dichloropropene	0.028	U	2.93	2.93	2.51	2.22	
Trichloroethene	0.032	U	2.93	2.93	2.47	2.32	F1
Trichlorofluoromethane	0.022	U	2.93	2.93	3.18	3.00	
Vinyl chloride	0.029	U	2.93	2.93	2.96	2.81	
Xylenes, Total	0.041	U	5.86	5.86	4.95	4.62	F1

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-378784/1-A	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: 460-378784	Lab File ID: D23809.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 07/14/2016 0802	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0714		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.00372	J	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-378784/1-A	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: 460-378784	Lab File ID: D23809.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 07/14/2016 0802	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 0714		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	78 - 135
4-Bromofluorobenzene	98	67 - 126
Dibromofluoromethane (Surr)	95	61 - 149
Toluene-d8 (Surr)	99	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 1256  
Prep Date: 07/13/2016 0724  
Leach Date: N/A

Analysis Batch: 460-378974  
Prep Batch: 460-378784  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23821.D  
Initial Weight/Volume: 4.67 g  
Final Weight/Volume: 5 mL  
5 mL

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 1320  
Prep Date: 07/13/2016 0725  
Leach Date: N/A

Analysis Batch: 460-378974  
Prep Batch: 460-378784  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23822.D  
Initial Weight/Volume: 5.25 g  
Final Weight/Volume: 5 mL  
5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	86	85	80 - 125	12	30		
1,1,2,2-Tetrachloroethane	0	0	72 - 131	NC	30	U F1	U F1
1,1,2-Trichloro-1,2,2-trifluoroethane	79	77	78 - 132	15	30		F1
1,1,2-Trichloroethane	70	65	76 - 124	19	30	F1	F1
1,1-Dichloroethane	88	86	80 - 124	14	30		
1,1-Dichloroethene	88	75	79 - 132	28	30		F1
1,2,3-Trichlorobenzene	56	46	75 - 123	30	30	F1	F1
1,2,4-Trichlorobenzene	50	40	74 - 124	35	30	F1	F1 F2
1,2-Dibromo-3-Chloropropane	57	55	65 - 129	15	30	F1	F1
1,2-Dichlorobenzene	64	60	80 - 121	18	30	F1	F1
1,2-Dichloroethane	85	81	68 - 120	16	30		
1,2-Dichloropropane	82	81	77 - 124	13	30		
1,3-Dichlorobenzene	57	53	79 - 124	19	30	F1	F1
1,4-Dichlorobenzene	53	50	79 - 121	16	30	F1	F1
1,4-Dioxane	107	90	67 - 150	29	30		
2-Butanone (MEK)	92	88	61 - 140	16	30		
2-Hexanone	94	92	78 - 120	14	30		
4-Methyl-2-pentanone (MIBK)	95	93	80 - 120	14	30		
Acetone	90	85	75 - 120	15	30		
Benzene	80	79	75 - 127	13	30		
Bromodichloromethane	71	71	76 - 129	12	30	F1	F1
Bromoform	72	66	19 - 150	21	30		
Bromomethane	100	94	59 - 136	18	30		
Carbon disulfide	59	58	74 - 130	14	30	F1	F1
Carbon tetrachloride	82	82	77 - 138	13	30		
Chlorobenzene	71	69	80 - 120	14	30	F1	F1
Chlorobromomethane	83	79	80 - 125	17	30		F1
Chloroethane	104	98	50 - 139	18	30		
Chloroform	89	86	80 - 122	15	30		
Chloromethane	63	60	66 - 128	17	30	F1	F1
cis-1,2-Dichloroethene	79	76	80 - 123	15	30	F1	F1
cis-1,3-Dichloropropene	62	60	75 - 124	14	30	F1	F1
Cyclohexane	68	69	67 - 135	12	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 1256  
Prep Date: 07/13/2016 0724  
Leach Date: N/A

Analysis Batch: 460-378974  
Prep Batch: 460-378784  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23821.D  
Initial Weight/Volume: 4.67 g  
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 1320  
Prep Date: 07/13/2016 0725  
Leach Date: N/A

Analysis Batch: 460-378974  
Prep Batch: 460-378784  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23822.D  
Initial Weight/Volume: 5.25 g  
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	70	68	67 - 143	15	30		
Dichlorodifluoromethane	90	100	72 - 127	2	30		
Ethylbenzene	74	70	79 - 124	18	30	F1	F1
Ethylene Dibromide	67	65	80 - 122	15	30	F1	F1
Isopropylbenzene	75	73	80 - 125	15	30	F1	F1
m&p-Xylene	73	70	79 - 121	16	30	F1	F1
Methyl acetate	1	2	73 - 123	9	30	J F1	J F1
Methyl tert-butyl ether	92	86	80 - 120	18	30		
Methylcyclohexane	69	66	71 - 137	16	30	F1	F1
Methylene Chloride	84	80	79 - 128	15	30		
o-Xylene	77	73	79 - 123	16	30	F1	F1
Styrene	65	62	78 - 123	16	30	F1	F1
Tetrachloroethene	79	76	73 - 130	16	30		
Toluene	85	72	75 - 122	26	30		F1
trans-1,2-Dichloroethene	76	74	80 - 129	15	30	F1	F1
trans-1,3-Dichloropropene	55	51	72 - 121	18	30	F1	F1
Trichloroethene	132	126	79 - 122	16	30	F1	F1
Trichlorofluoromethane	108	99	68 - 136	21	30		
Vinyl chloride	68	63	70 - 134	19	30	F1	F1
Xylenes, Total	75	72	79 - 122	16	30	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	100	78 - 135
4-Bromofluorobenzene	103	102	67 - 126
Dibromofluoromethane (Surr)	91	89	61 - 149
Toluene-d8 (Surr)	104	103	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116858-9      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1256  
 Prep Date: 07/13/2016 0724  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1320  
 Prep Date: 07/13/2016 0725  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.00080 U	0.0258	0.0229	0.0222	0.0196
1,1,2,2-Tetrachloroethane	0.00036 U	0.0258	0.0229	0.00022 U F1	0.00019 U F1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093 U	0.0258	0.0229	0.0205	0.0176 F1
1,1,2-Trichloroethane	0.00059 U	0.0258	0.0229	0.0181 F1	0.0150 F1
1,1-Dichloroethane	0.00072 U	0.0258	0.0229	0.0227	0.0197
1,1-Dichloroethene	0.00087 U	0.0258	0.0229	0.0226	0.0171 F1
1,2,3-Trichlorobenzene	0.00023 U	0.0258	0.0229	0.0144 F1	0.0106 F1
1,2,4-Trichlorobenzene	0.00068 U	0.0258	0.0229	0.0129 F1	0.00908 F1 F2
1,2-Dibromo-3-Chloropropane	0.0010 U	0.0258	0.0229	0.0146 F1	0.0125 F1
1,2-Dichlorobenzene	0.00030 U	0.0258	0.0229	0.0166 F1	0.0139 F1
1,2-Dichloroethane	0.00023 U	0.0258	0.0229	0.0218	0.0186
1,2-Dichloropropane	0.00036 U	0.0258	0.0229	0.0212	0.0185
1,3-Dichlorobenzene	0.00025 U	0.0258	0.0229	0.0148 F1	0.0122 F1
1,4-Dichlorobenzene	0.00028 U	0.0258	0.0229	0.0136 F1	0.0115 F1
1,4-Dioxane	0.014 U	0.515	0.458	0.550	0.413
2-Butanone (MEK)	0.0016 U	0.129	0.115	0.118	0.101
2-Hexanone	0.0020 U	0.129	0.115	0.120	0.105
4-Methyl-2-pentanone (MIBK)	0.0047 U	0.129	0.115	0.123	0.106
Acetone	0.014 U	0.129	0.115	0.130	0.111
Benzene	0.00042 U	0.0258	0.0229	0.0206	0.0181
Bromodichloromethane	0.00080 U	0.0258	0.0229	0.0184 F1	0.0163 F1
Bromoform	0.00028 U	0.0258	0.0229	0.0185	0.0150
Bromomethane	0.00068 U	0.0258	0.0229	0.0257	0.0214
Carbon disulfide	0.00091 U	0.0258	0.0229	0.0152 F1	0.0133 F1
Carbon tetrachloride	0.00091 U	0.0258	0.0229	0.0212	0.0187
Chlorobenzene	0.00030 U	0.0258	0.0229	0.0182 F1	0.0158 F1
Chlorobromomethane	0.00036 U	0.0258	0.0229	0.0214	0.0180 F1
Chloroethane	0.00074 U	0.0258	0.0229	0.0268	0.0225
Chloroform	0.00044 U	0.0258	0.0229	0.0230	0.0197
Chloromethane	0.00080 U	0.0258	0.0229	0.0163 F1	0.0137 F1
cis-1,2-Dichloroethene	0.00047 U	0.0258	0.0229	0.0204 F1	0.0175 F1
cis-1,3-Dichloropropene	0.00032 U	0.0258	0.0229	0.0158 F1	0.0137 F1
Cyclohexane	0.00097 U	0.0258	0.0229	0.0176	0.0157
Dibromochloromethane	0.00032 U	0.0258	0.0229	0.0181	0.0156
Dichlorodifluoromethane	0.00068 U	0.0258	0.0229	0.0233	0.0229
Ethylbenzene	0.00038 U	0.0258	0.0229	0.0191 F1	0.0160 F1
Ethylene Dibromide	0.00025 U	0.0258	0.0229	0.0172 F1	0.0148 F1
Isopropylbenzene	0.00036 U	0.0258	0.0229	0.0194 F1	0.0167 F1
m&p-Xylene	0.00023 U	0.0258	0.0229	0.0188 F1	0.0161 F1
Methyl acetate	0.0019 U	0.129	0.115	0.00175 J F1	0.00191 J F1
Methyl tert-butyl ether	0.00036 U	0.0258	0.0229	0.0237	0.0198
Methylcyclohexane	0.0011 U	0.0258	0.0229	0.0177 F1	0.0152 F1
Methylene Chloride	0.00068 U	0.0258	0.0229	0.0215	0.0184

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378784**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1256  
 Prep Date: 07/13/2016 0724  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1320  
 Prep Date: 07/13/2016 0725  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
o-Xylene	0.00034 U	0.0258	0.0229	0.0197 F1	0.0168 F1
Styrene	0.00032 U	0.0258	0.0229	0.0167 F1	0.0143 F1
Tetrachloroethene	0.00059 U	0.0258	0.0229	0.0204	0.0174
Toluene	0.0023	0.0258	0.0229	0.0243	0.0188 F1
trans-1,2-Dichloroethene	0.00083 U	0.0258	0.0229	0.0196 F1	0.0169 F1
trans-1,3-Dichloropropene	0.00021 U	0.0258	0.0229	0.0141 F1	0.0117 F1
Trichloroethene	0.00055 U	0.0258	0.0229	0.0339 F1	0.0288 F1
Trichlorofluoromethane	0.00072 U	0.0258	0.0229	0.0279	0.0227
Vinyl chloride	0.00083 U	0.0258	0.0229	0.0175 F1	0.0144 F1
Xylenes, Total	0.00023 U	0.0515	0.0458	0.0386 F1	0.0329 F1

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-378935**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-378935/1-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 1641  
Prep Date: 07/13/2016 2100  
Leach Date: N/A

Analysis Batch: 460-378976  
Prep Batch: 460-378935  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: CVOAMS9  
Lab File ID: K55811.D  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-378935**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-378935/1-A	Analysis Batch: 460-378976	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: 460-378935	Lab File ID: K55811.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 07/14/2016 1641	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: 07/13/2016 2100		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	78 - 135
4-Bromofluorobenzene	106	67 - 126
Dibromofluoromethane (Surr)	108	61 - 149
Toluene-d8 (Surr)	101	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378974**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-378974/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0738  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-378974  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS4  
 Lab File ID: D23808.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378974**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-378974/7	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23808.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0738	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	78 - 135
4-Bromofluorobenzene	96	67 - 126
Dibromofluoromethane (Surr)	95	61 - 149
Toluene-d8 (Surr)	98	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-378974**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: LCS 460-378974/3	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23804.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0547	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.0200	0.0181	91	80 - 125	
1,1,2,2-Tetrachloroethane	0.0200	0.0163	81	72 - 131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0174	87	78 - 132	
1,1,2-Trichloroethane	0.0200	0.0173	87	76 - 124	
1,1-Dichloroethane	0.0200	0.0192	96	80 - 124	
1,1-Dichloroethene	0.0200	0.0185	92	79 - 132	
1,2,3-Trichlorobenzene	0.0200	0.0202	101	75 - 123	
1,2,4-Trichlorobenzene	0.0200	0.0197	99	74 - 124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0157	78	65 - 129	
1,2-Dichlorobenzene	0.0200	0.0184	92	80 - 121	
1,2-Dichloroethane	0.0200	0.0191	96	68 - 120	
1,2-Dichloropropane	0.0200	0.0181	90	77 - 124	
1,3-Dichlorobenzene	0.0200	0.0191	95	79 - 124	
1,4-Dichlorobenzene	0.0200	0.0189	94	79 - 121	
1,4-Dioxane	0.400	0.388	97	67 - 150	
2-Butanone (MEK)	0.100	0.0896	90	61 - 140	
2-Hexanone	0.100	0.0935	94	78 - 120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0928	93	80 - 120	
Acetone	0.100	0.0904	90	75 - 120	
Benzene	0.0200	0.0185	92	75 - 127	
Bromodichloromethane	0.0200	0.0171	85	76 - 129	
Bromoform	0.0200	0.0165	82	19 - 150	
Bromomethane	0.0200	0.0246	123	59 - 136	
Carbon disulfide	0.0200	0.0162	81	74 - 130	
Carbon tetrachloride	0.0200	0.0187	93	77 - 138	
Chlorobenzene	0.0200	0.0191	96	80 - 120	
Chlorobromomethane	0.0200	0.0182	91	80 - 125	
Chloroethane	0.0200	0.0281	141	50 - 139	*
Chloroform	0.0200	0.0192	96	80 - 122	
Chloromethane	0.0200	0.0178	89	66 - 128	
cis-1,2-Dichloroethene	0.0200	0.0184	92	80 - 123	
cis-1,3-Dichloropropene	0.0200	0.0171	85	75 - 124	
Cyclohexane	0.0200	0.0173	87	67 - 135	
Dibromochloromethane	0.0200	0.0167	83	67 - 143	
Dichlorodifluoromethane	0.0200	0.0275	137	72 - 127	*
Ethylbenzene	0.0200	0.0187	93	79 - 124	
Ethylene Dibromide	0.0200	0.0173	86	80 - 122	
Isopropylbenzene	0.0200	0.0195	97	80 - 125	
m&p-Xylene	0.0200	0.0190	95	79 - 121	
Methyl acetate	0.100	0.0955	95	73 - 123	
Methyl tert-butyl ether	0.0200	0.0188	94	80 - 120	
Methylcyclohexane	0.0200	0.0191	95	71 - 137	
Methylene Chloride	0.0200	0.0178	89	79 - 128	
o-Xylene	0.0200	0.0188	94	79 - 123	
Styrene	0.0200	0.0183	91	78 - 123	
Tetrachloroethene	0.0200	0.0206	103	73 - 130	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-378974**

**Method: 8260C**  
**Preparation: N/A**

Lab Sample ID: LCS 460-378974/3	Analysis Batch: 460-378974	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23804.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0547	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	0.0200	0.0183	92	75 - 122	
trans-1,2-Dichloroethene	0.0200	0.0185	92	80 - 129	
trans-1,3-Dichloropropene	0.0200	0.0163	82	72 - 121	
Trichloroethene	0.0200	0.0185	93	79 - 122	
Trichlorofluoromethane	0.0200	0.0301	151	68 - 136	*
Vinyl chloride	0.0200	0.0200	100	70 - 134	
Xylenes, Total	0.0400	0.0377	94	79 - 122	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		104		78 - 135	
4-Bromofluorobenzene		100		67 - 126	
Dibromofluoromethane (Surr)		101		61 - 149	
Toluene-d8 (Surr)		102		73 - 121	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378976**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-378976/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0754  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-378976  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS9  
 Lab File ID: K55792.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378976**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-378976/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0754  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-378976  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS9  
 Lab File ID: K55792.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	78 - 135
4-Bromofluorobenzene	103	67 - 126
Dibromofluoromethane (Surr)	106	61 - 149
Toluene-d8 (Surr)	103	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-378976**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-378976/3	Analysis Batch: 460-378976	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55788.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0552	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-378976/4	Analysis Batch: 460-378976	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55789.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0618	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	95	92	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	91	90	72 - 131	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	105	103	78 - 132	1	30		
1,1,2-Trichloroethane	92	91	76 - 124	1	30		
1,1-Dichloroethane	94	93	80 - 124	1	30		
1,1-Dichloroethene	92	92	79 - 132	0	30		
1,2,3-Trichlorobenzene	95	96	75 - 123	0	30		
1,2,4-Trichlorobenzene	95	96	74 - 124	2	30		
1,2-Dibromo-3-Chloropropane	90	89	65 - 129	1	30		
1,2-Dichlorobenzene	94	93	80 - 121	1	30		
1,2-Dichloroethane	90	90	68 - 120	0	30		
1,2-Dichloropropane	92	92	77 - 124	0	30		
1,3-Dichlorobenzene	94	93	79 - 124	1	30		
1,4-Dichlorobenzene	92	92	79 - 121	0	30		
1,4-Dioxane	107	105	67 - 150	2	30		
2-Butanone (MEK)	90	89	61 - 140	2	30		
2-Hexanone	92	89	78 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	94	91	80 - 120	3	30		
Acetone	85	80	75 - 120	6	30		
Benzene	96	93	75 - 127	3	30		
Bromodichloromethane	93	92	76 - 129	1	30		
Bromoform	89	88	19 - 150	1	30		
Bromomethane	114	115	59 - 136	1	30		
Carbon disulfide	89	88	74 - 130	1	30		
Carbon tetrachloride	96	96	77 - 138	0	30		
Chlorobenzene	94	93	80 - 120	1	30		
Chlorobromomethane	90	90	80 - 125	0	30		
Chloroethane	110	113	50 - 139	3	30		
Chloroform	94	94	80 - 122	1	30		
Chloromethane	115	115	66 - 128	0	30		
cis-1,2-Dichloroethene	93	93	80 - 123	1	30		
cis-1,3-Dichloropropene	92	92	75 - 124	1	30		
Cyclohexane	93	93	67 - 135	0	30		
Dibromochloromethane	92	91	67 - 143	1	30		
Dichlorodifluoromethane	120	119	72 - 127	1	30		
Ethylbenzene	93	93	79 - 124	0	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Method: 8260C**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378976**

**Preparation: N/A**

LCS Lab Sample ID: LCS 460-378976/3	Analysis Batch: 460-378976	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55788.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0552	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-378976/4	Analysis Batch: 460-378976	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55789.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 0618	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	92	90	80 - 122	2	30		
Isopropylbenzene	97	97	80 - 125	0	30		
m&p-Xylene	93	92	79 - 121	1	30		
Methyl acetate	93	91	73 - 123	2	30		
Methyl tert-butyl ether	93	93	80 - 120	0	30		
Methylcyclohexane	102	100	71 - 137	2	30		
Methylene Chloride	86	88	79 - 128	2	30		
o-Xylene	96	95	79 - 123	0	30		
Styrene	96	94	78 - 123	2	30		
Tetrachloroethene	96	92	73 - 130	3	30		
Toluene	93	91	75 - 122	3	30		
trans-1,2-Dichloroethene	95	95	80 - 129	1	30		
trans-1,3-Dichloropropene	92	89	72 - 121	4	30		
Trichloroethene	94	95	79 - 122	0	30		
Trichlorofluoromethane	109	114	68 - 136	4	30		
Vinyl chloride	117	116	70 - 134	1	30		
Xylenes, Total	94	94	79 - 122	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	102	78 - 135
4-Bromofluorobenzene	103	103	67 - 126
Dibromofluoromethane (Surr)	103	103	61 - 149
Toluene-d8 (Surr)	103	102	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378976**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-378976/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0552  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378976/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0618  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	0.0200	0.0200	0.0191	0.0184
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0183	0.0181
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200	0.0209	0.0207
1,1,2-Trichloroethane	0.0200	0.0200	0.0185	0.0182
1,1-Dichloroethane	0.0200	0.0200	0.0188	0.0186
1,1-Dichloroethene	0.0200	0.0200	0.0184	0.0184
1,2,3-Trichlorobenzene	0.0200	0.0200	0.0190	0.0191
1,2,4-Trichlorobenzene	0.0200	0.0200	0.0189	0.0192
1,2-Dibromo-3-Chloropropane	0.0200	0.0200	0.0180	0.0178
1,2-Dichlorobenzene	0.0200	0.0200	0.0188	0.0186
1,2-Dichloroethane	0.0200	0.0200	0.0180	0.0179
1,2-Dichloropropane	0.0200	0.0200	0.0184	0.0184
1,3-Dichlorobenzene	0.0200	0.0200	0.0187	0.0186
1,4-Dichlorobenzene	0.0200	0.0200	0.0184	0.0185
1,4-Dioxane	0.400	0.400	0.428	0.419
2-Butanone (MEK)	0.100	0.100	0.0905	0.0889
2-Hexanone	0.100	0.100	0.0917	0.0892
4-Methyl-2-pentanone (MIBK)	0.100	0.100	0.0939	0.0911
Acetone	0.100	0.100	0.0851	0.0798
Benzene	0.0200	0.0200	0.0192	0.0187
Bromodichloromethane	0.0200	0.0200	0.0185	0.0184
Bromoform	0.0200	0.0200	0.0178	0.0176
Bromomethane	0.0200	0.0200	0.0227	0.0230
Carbon disulfide	0.0200	0.0200	0.0178	0.0176
Carbon tetrachloride	0.0200	0.0200	0.0192	0.0192
Chlorobenzene	0.0200	0.0200	0.0188	0.0186
Chlorobromomethane	0.0200	0.0200	0.0181	0.0180
Chloroethane	0.0200	0.0200	0.0219	0.0227
Chloroform	0.0200	0.0200	0.0187	0.0189
Chloromethane	0.0200	0.0200	0.0229	0.0230
cis-1,2-Dichloroethene	0.0200	0.0200	0.0187	0.0186
cis-1,3-Dichloropropene	0.0200	0.0200	0.0184	0.0183
Cyclohexane	0.0200	0.0200	0.0186	0.0186
Dibromochloromethane	0.0200	0.0200	0.0184	0.0183
Dichlorodifluoromethane	0.0200	0.0200	0.0240	0.0238
Ethylbenzene	0.0200	0.0200	0.0186	0.0186
Ethylene Dibromide	0.0200	0.0200	0.0184	0.0179
Isopropylbenzene	0.0200	0.0200	0.0194	0.0194
m&p-Xylene	0.0200	0.0200	0.0187	0.0185

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378976**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-378976/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0552  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378976/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0618  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	0.100	0.100	0.0933	0.0913
Methyl tert-butyl ether	0.0200	0.0200	0.0186	0.0185
Methylcyclohexane	0.0200	0.0200	0.0205	0.0201
Methylene Chloride	0.0200	0.0200	0.0172	0.0175
o-Xylene	0.0200	0.0200	0.0191	0.0191
Styrene	0.0200	0.0200	0.0192	0.0188
Tetrachloroethene	0.0200	0.0200	0.0191	0.0185
Toluene	0.0200	0.0200	0.0186	0.0182
trans-1,2-Dichloroethene	0.0200	0.0200	0.0189	0.0191
trans-1,3-Dichloropropene	0.0200	0.0200	0.0184	0.0177
Trichloroethene	0.0200	0.0200	0.0189	0.0190
Trichlorofluoromethane	0.0200	0.0200	0.0218	0.0227
Vinyl chloride	0.0200	0.0200	0.0234	0.0231
Xylenes, Total	0.0400	0.0400	0.0378	0.0375

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379053**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379053/8  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/14/2016 1439  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379053  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS2  
 Lab File ID: B02802.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.014	U	0.014	0.050
1,1,2,2-Tetrachloroethane	0.0095	U	0.0095	0.050
1,1,2-Trichloro-1,2,2-trifluoroethane	0.017	U	0.017	0.050
1,1,2-Trichloroethane	0.0040	U	0.0040	0.050
1,1-Dichloroethane	0.012	U	0.012	0.050
1,1-Dichloroethene	0.017	U	0.017	0.050
1,2,3-Trichlorobenzene	0.018	U	0.018	0.050
1,2,4-Trichlorobenzene	0.014	U	0.014	0.050
1,2-Dibromo-3-Chloropropane	0.012	U	0.012	0.050
1,2-Dichlorobenzene	0.011	U	0.011	0.050
1,2-Dichloroethane	0.013	U	0.013	0.050
1,2-Dichloropropane	0.0090	U	0.0090	0.050
1,3-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dioxane	0.44	U	0.44	1.3
2-Butanone (MEK)	0.11	U	0.11	0.25
2-Hexanone	0.036	U	0.036	0.25
4-Methyl-2-pentanone (MIBK)	0.032	U	0.032	0.25
Acetone	0.054	U	0.054	0.25
Benzene	0.0095	U	0.0095	0.050
Bromodichloromethane	0.0075	U	0.0075	0.050
Bromoform	0.0090	U	0.0090	0.050
Bromomethane	0.0090	U	0.0090	0.050
Carbon disulfide	0.011	U	0.011	0.050
Carbon tetrachloride	0.017	U	0.017	0.050
Chlorobenzene	0.012	U	0.012	0.050
Chlorobromomethane	0.015	U	0.015	0.050
Chloroethane	0.019	U	0.019	0.050
Chloroform	0.011	U	0.011	0.050
Chloromethane	0.011	U	0.011	0.050
cis-1,2-Dichloroethene	0.013	U	0.013	0.050
cis-1,3-Dichloropropene	0.0080	U	0.0080	0.050
Cyclohexane	0.013	U	0.013	0.050
Dibromochloromethane	0.011	U	0.011	0.050
Dichlorodifluoromethane	0.0070	U	0.0070	0.050
Ethylbenzene	0.015	U	0.015	0.050
Ethylene Dibromide	0.0095	U	0.0095	0.050
Isopropylbenzene	0.016	U	0.016	0.050
m&p-Xylene	0.014	U	0.014	0.050
Methyl acetate	0.029	U	0.029	0.25
Methyl tert-butyl ether	0.0065	U	0.0065	0.050
Methylcyclohexane	0.011	U	0.011	0.050
Methylene Chloride	0.011	U	0.011	0.050
o-Xylene	0.016	U	0.016	0.050
Styrene	0.0085	U	0.0085	0.050

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-379053

**Method: 8260C**  
**Preparation: N/A**

Lab Sample ID: MB 460-379053/8  
Client Matrix: Solid  
Dilution: 50  
Analysis Date: 07/14/2016 1439  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 460-379053  
Prep Batch: N/A  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: CVOAMS2  
Lab File ID: B02802.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.018	U	0.018	0.050
Toluene	0.013	U	0.013	0.050
trans-1,2-Dichloroethene	0.0090	U	0.0090	0.050
trans-1,3-Dichloropropene	0.0095	U	0.0095	0.050
Trichloroethene	0.011	U	0.011	0.050
Trichlorofluoromethane	0.0075	U	0.0075	0.050
Vinyl chloride	0.010	U	0.010	0.050
Xylenes, Total	0.014	U	0.014	0.10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	69 - 145
4-Bromofluorobenzene	94	64 - 131
Dibromofluoromethane (Surr)	97	74 - 134
Toluene-d8 (Surr)	100	72 - 136

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379053**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: LCS 460-379053/3	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02797.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1238	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	1.00	0.867	87	81 - 125	
1,1,2,2-Tetrachloroethane	1.00	0.865	87	59 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.869	87	69 - 135	
1,1,2-Trichloroethane	1.00	0.927	93	72 - 117	
1,1-Dichloroethane	1.00	0.871	87	78 - 123	
1,1-Dichloroethene	1.00	0.781	78	78 - 125	
1,2,3-Trichlorobenzene	1.00	0.932	93	35 - 143	
1,2,4-Trichlorobenzene	1.00	0.960	96	45 - 137	
1,2-Dibromo-3-Chloropropane	1.00	0.904	90	37 - 130	
1,2-Dichlorobenzene	1.00	0.892	89	80 - 120	
1,2-Dichloroethane	1.00	0.891	89	75 - 122	
1,2-Dichloropropane	1.00	0.874	87	76 - 124	
1,3-Dichlorobenzene	1.00	0.892	89	80 - 120	
1,4-Dichlorobenzene	1.00	0.850	85	80 - 120	
1,4-Dioxane	20.0	18.9	94	65 - 145	
2-Butanone (MEK)	5.00	4.20	84	40 - 150	
2-Hexanone	5.00	4.60	92	44 - 136	
4-Methyl-2-pentanone (MIBK)	5.00	4.58	92	62 - 124	
Acetone	5.00	4.19	84	10 - 150	
Benzene	1.00	0.873	87	77 - 121	
Bromodichloromethane	1.00	0.784	78	78 - 122	
Bromoform	1.00	0.574	57	68 - 124	*
Bromomethane	1.00	1.01	101	66 - 145	
Carbon disulfide	1.00	0.656	66	72 - 127	*
Carbon tetrachloride	1.00	0.757	76	77 - 136	*
Chlorobenzene	1.00	0.862	86	84 - 114	
Chlorobromomethane	1.00	0.891	89	82 - 124	
Chloroethane	1.00	1.02	102	68 - 144	
Chloroform	1.00	0.877	88	82 - 123	
Chloromethane	1.00	1.06	106	63 - 138	
cis-1,2-Dichloroethene	1.00	0.843	84	80 - 120	
cis-1,3-Dichloropropene	1.00	0.881	88	78 - 120	
Cyclohexane	1.00	0.903	90	64 - 128	
Dibromochloromethane	1.00	0.712	71	83 - 121	*
Dichlorodifluoromethane	1.00	1.00	100	51 - 145	
Ethylbenzene	1.00	0.846	85	80 - 120	
Ethylene Dibromide	1.00	0.779	78	76 - 117	
Isopropylbenzene	1.00	0.877	88	81 - 124	
m&p-Xylene	1.00	0.828	83	81 - 117	
Methyl acetate	5.00	4.77	95	58 - 140	
Methyl tert-butyl ether	1.00	0.863	86	77 - 121	
Methylcyclohexane	1.00	0.865	86	55 - 133	
Methylene Chloride	1.00	0.800	80	78 - 122	
o-Xylene	1.00	0.817	82	79 - 116	
Styrene	1.00	0.846	85	80 - 120	
Tetrachloroethene	1.00	0.844	84	71 - 133	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379053**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: LCS 460-379053/3	Analysis Batch: 460-379053	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02797.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1238	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	1.00	0.914	91	80 - 120	
trans-1,2-Dichloroethene	1.00	0.829	83	79 - 123	
trans-1,3-Dichloropropene	1.00	0.889	89	74 - 121	
Trichloroethene	1.00	0.853	85	82 - 122	
Trichlorofluoromethane	1.00	1.06	106	72 - 140	
Vinyl chloride	1.00	1.02	102	69 - 139	
Xylenes, Total	2.00	1.64	82	80 - 120	
<b>Surrogate</b>		<b>% Rec</b>		<b>Acceptance Limits</b>	
1,2-Dichloroethane-d4 (Surr)		105		69 - 145	
4-Bromofluorobenzene		97		64 - 131	
Dibromofluoromethane (Surr)		97		74 - 134	
Toluene-d8 (Surr)		99		72 - 136	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379129**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379129/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1951  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379129  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS9  
 Lab File ID: K55818.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379129**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379129/7	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55818.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1951	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	78 - 135
4-Bromofluorobenzene	101	67 - 126
Dibromofluoromethane (Surr)	108	61 - 149
Toluene-d8 (Surr)	101	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379129**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379129/3	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55814.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1808	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379129/4	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55815.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1833	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	102	105	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	86	89	72 - 131	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	116	120	78 - 132	3	30		
1,1,2-Trichloroethane	91	93	76 - 124	2	30		
1,1-Dichloroethane	97	103	80 - 124	6	30		
1,1-Dichloroethene	99	103	79 - 132	4	30		
1,2,3-Trichlorobenzene	96	100	75 - 123	4	30		
1,2,4-Trichlorobenzene	95	98	74 - 124	3	30		
1,2-Dibromo-3-Chloropropane	81	87	65 - 129	7	30		
1,2-Dichlorobenzene	93	97	80 - 121	4	30		
1,2-Dichloroethane	90	93	68 - 120	3	30		
1,2-Dichloropropane	95	96	77 - 124	0	30		
1,3-Dichlorobenzene	96	100	79 - 124	4	30		
1,4-Dichlorobenzene	93	96	79 - 121	3	30		
1,4-Dioxane	103	106	67 - 150	4	30		
2-Butanone (MEK)	90	93	61 - 140	3	30		
2-Hexanone	94	93	78 - 120	1	30		
4-Methyl-2-pentanone (MIBK)	93	95	80 - 120	2	30		
Acetone	89	88	75 - 120	2	30		
Benzene	95	100	75 - 127	5	30		
Bromodichloromethane	95	96	76 - 129	1	30		
Bromoform	87	90	19 - 150	3	30		
Bromomethane	114	118	59 - 136	3	30		
Carbon disulfide	96	99	74 - 130	4	30		
Carbon tetrachloride	105	105	77 - 138	0	30		
Chlorobenzene	96	96	80 - 120	1	30		
Chlorobromomethane	94	97	80 - 125	2	30		
Chloroethane	111	116	50 - 139	5	30		
Chloroform	100	104	80 - 122	4	30		
Chloromethane	121	126	66 - 128	4	30		
cis-1,2-Dichloroethene	96	103	80 - 123	6	30		
cis-1,3-Dichloropropene	90	92	75 - 124	3	30		
Cyclohexane	100	103	67 - 135	3	30		
Dibromochloromethane	91	93	67 - 143	2	30		
Dichlorodifluoromethane	124	127	72 - 127	2	30		
Ethylbenzene	93	97	79 - 124	4	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379129**

**Method: 8260C**

**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379129/3	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55814.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1808	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379129/4	Analysis Batch: 460-379129	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K55815.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 1833	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	89	93	80 - 122	4	30		
Isopropylbenzene	97	102	80 - 125	4	30		
m&p-Xylene	93	95	79 - 121	2	30		
Methyl acetate	85	89	73 - 123	4	30		
Methyl tert-butyl ether	92	95	80 - 120	3	30		
Methylcyclohexane	107	112	71 - 137	4	30		
Methylene Chloride	91	96	79 - 128	5	30		
o-Xylene	94	96	79 - 123	2	30		
Styrene	95	98	78 - 123	3	30		
Tetrachloroethene	98	99	73 - 130	0	30		
Toluene	93	94	75 - 122	1	30		
trans-1,2-Dichloroethene	98	103	80 - 129	5	30		
trans-1,3-Dichloropropene	88	90	72 - 121	1	30		
Trichloroethene	97	98	79 - 122	1	30		
Trichlorofluoromethane	121	123	68 - 136	1	30		
Vinyl chloride	122	125	70 - 134	2	30		
Xylenes, Total	94	95	79 - 122	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	99	78 - 135
4-Bromofluorobenzene	104	104	67 - 126
Dibromofluoromethane (Surr)	105	105	61 - 149
Toluene-d8 (Surr)	103	103	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379129**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379129/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1808  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379129/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1833  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	0.0200	0.0200	0.0203	0.0211
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0172	0.0178
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200	0.0232	0.0239
1,1,2-Trichloroethane	0.0200	0.0200	0.0183	0.0186
1,1-Dichloroethane	0.0200	0.0200	0.0195	0.0207
1,1-Dichloroethene	0.0200	0.0200	0.0199	0.0207
1,2,3-Trichlorobenzene	0.0200	0.0200	0.0191	0.0199
1,2,4-Trichlorobenzene	0.0200	0.0200	0.0190	0.0196
1,2-Dibromo-3-Chloropropane	0.0200	0.0200	0.0162	0.0174
1,2-Dichlorobenzene	0.0200	0.0200	0.0186	0.0194
1,2-Dichloroethane	0.0200	0.0200	0.0181	0.0187
1,2-Dichloropropane	0.0200	0.0200	0.0191	0.0192
1,3-Dichlorobenzene	0.0200	0.0200	0.0191	0.0199
1,4-Dichlorobenzene	0.0200	0.0200	0.0186	0.0192
1,4-Dioxane	0.400	0.400	0.410	0.426
2-Butanone (MEK)	0.100	0.100	0.0900	0.0925
2-Hexanone	0.100	0.100	0.0944	0.0931
4-Methyl-2-pentanone (MIBK)	0.100	0.100	0.0930	0.0954
Acetone	0.100	0.100	0.0895	0.0878
Benzene	0.0200	0.0200	0.0190	0.0199
Bromodichloromethane	0.0200	0.0200	0.0189	0.0191
Bromoform	0.0200	0.0200	0.0174	0.0179
Bromomethane	0.0200	0.0200	0.0229	0.0237
Carbon disulfide	0.0200	0.0200	0.0191	0.0199
Carbon tetrachloride	0.0200	0.0200	0.0209	0.0210
Chlorobenzene	0.0200	0.0200	0.0192	0.0193
Chlorobromomethane	0.0200	0.0200	0.0189	0.0193
Chloroethane	0.0200	0.0200	0.0222	0.0233
Chloroform	0.0200	0.0200	0.0200	0.0207
Chloromethane	0.0200	0.0200	0.0241	0.0251
cis-1,2-Dichloroethene	0.0200	0.0200	0.0192	0.0205
cis-1,3-Dichloropropene	0.0200	0.0200	0.0179	0.0185
Cyclohexane	0.0200	0.0200	0.0201	0.0207
Dibromochloromethane	0.0200	0.0200	0.0182	0.0185
Dichlorodifluoromethane	0.0200	0.0200	0.0249	0.0254
Ethylbenzene	0.0200	0.0200	0.0187	0.0195
Ethylene Dibromide	0.0200	0.0200	0.0178	0.0185
Isopropylbenzene	0.0200	0.0200	0.0195	0.0204
m&p-Xylene	0.0200	0.0200	0.0186	0.0190

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379129**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379129/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1808  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379129/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1833  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	0.100	0.100	0.0852	0.0890
Methyl tert-butyl ether	0.0200	0.0200	0.0184	0.0190
Methylcyclohexane	0.0200	0.0200	0.0214	0.0224
Methylene Chloride	0.0200	0.0200	0.0183	0.0192
o-Xylene	0.0200	0.0200	0.0188	0.0192
Styrene	0.0200	0.0200	0.0190	0.0196
Tetrachloroethene	0.0200	0.0200	0.0197	0.0197
Toluene	0.0200	0.0200	0.0186	0.0187
trans-1,2-Dichloroethene	0.0200	0.0200	0.0197	0.0206
trans-1,3-Dichloropropene	0.0200	0.0200	0.0177	0.0179
Trichloroethene	0.0200	0.0200	0.0194	0.0197
Trichlorofluoromethane	0.0200	0.0200	0.0242	0.0245
Vinyl chloride	0.0200	0.0200	0.0244	0.0249
Xylenes, Total	0.0400	0.0400	0.0374	0.0382

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379152**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379152/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 2203  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379152  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS4  
 Lab File ID: D23838.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379152**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379152/7	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23838.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 2203	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	78 - 135
4-Bromofluorobenzene	95	67 - 126
Dibromofluoromethane (Surr)	95	61 - 149
Toluene-d8 (Surr)	97	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379152**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379152/3	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23834.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 2024	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379152/4	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23835.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 2049	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	114	112	80 - 125	2	30		
1,1,2,2-Tetrachloroethane	91	94	72 - 131	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	114	112	78 - 132	2	30		
1,1,2-Trichloroethane	100	100	76 - 124	0	30		
1,1-Dichloroethane	113	111	80 - 124	1	30		
1,1-Dichloroethene	116	110	79 - 132	5	30		
1,2,3-Trichlorobenzene	116	118	75 - 123	2	30		
1,2,4-Trichlorobenzene	113	116	74 - 124	3	30		
1,2-Dibromo-3-Chloropropane	93	96	65 - 129	3	30		
1,2-Dichlorobenzene	108	109	80 - 121	0	30		
1,2-Dichloroethane	113	114	68 - 120	1	30		
1,2-Dichloropropane	105	104	77 - 124	1	30		
1,3-Dichlorobenzene	109	110	79 - 124	0	30		
1,4-Dichlorobenzene	107	107	79 - 121	0	30		
1,4-Dioxane	109	113	67 - 150	4	30		
2-Butanone (MEK)	105	109	61 - 140	3	30		
2-Hexanone	109	109	78 - 120	1	30		
4-Methyl-2-pentanone (MIBK)	110	112	80 - 120	1	30		
Acetone	99	102	75 - 120	3	30		
Benzene	106	106	75 - 127	0	30		
Bromodichloromethane	101	102	76 - 129	1	30		
Bromoform	98	102	19 - 150	4	30		
Bromomethane	123	121	59 - 136	2	30		
Carbon disulfide	108	106	74 - 130	2	30		
Carbon tetrachloride	115	114	77 - 138	1	30		
Chlorobenzene	111	111	80 - 120	0	30		
Chlorobromomethane	111	114	80 - 125	3	30		
Chloroethane	129	128	50 - 139	0	30		
Chloroform	111	113	80 - 122	2	30		
Chloromethane	74	74	66 - 128	1	30		
cis-1,2-Dichloroethene	109	111	80 - 123	2	30		
cis-1,3-Dichloropropene	97	99	75 - 124	2	30		
Cyclohexane	105	100	67 - 135	5	30		
Dibromochloromethane	101	101	67 - 143	0	30		
Dichlorodifluoromethane	129	122	72 - 127	6	30	*	
Ethylbenzene	111	110	79 - 124	1	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/** **Method: 8260C**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379152** **Preparation: N/A**

LCS Lab Sample ID: LCS 460-379152/3	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23834.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 2024	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379152/4	Analysis Batch: 460-379152	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23835.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/14/2016 2049	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	99	100	80 - 122	1	30		
Isopropylbenzene	114	115	80 - 125	0	30		
m&p-Xylene	111	109	79 - 121	2	30		
Methyl acetate	104	108	73 - 123	4	30		
Methyl tert-butyl ether	110	112	80 - 120	2	30		
Methylcyclohexane	118	115	71 - 137	3	30		
Methylene Chloride	108	110	79 - 128	2	30		
o-Xylene	112	111	79 - 123	1	30		
Styrene	108	107	78 - 123	1	30		
Tetrachloroethene	124	124	73 - 130	0	30		
Toluene	107	105	75 - 122	2	30		
trans-1,2-Dichloroethene	114	114	80 - 129	0	30		
trans-1,3-Dichloropropene	94	94	72 - 121	0	30		
Trichloroethene	110	110	79 - 122	0	30		
Trichlorofluoromethane	137	135	68 - 136	2	30	*	
Vinyl chloride	84	85	70 - 134	1	30		
Xylenes, Total	112	110	79 - 122	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	109	78 - 135
4-Bromofluorobenzene	98	104	67 - 126
Dibromofluoromethane (Surr)	102	108	61 - 149
Toluene-d8 (Surr)	101	105	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379152**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379152/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 2024  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379152/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 2049  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	0.0200	0.0200	0.0227	0.0223
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0182	0.0187
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200	0.0227	0.0223
1,1,2-Trichloroethane	0.0200	0.0200	0.0200	0.0201
1,1-Dichloroethane	0.0200	0.0200	0.0225	0.0223
1,1-Dichloroethene	0.0200	0.0200	0.0233	0.0220
1,2,3-Trichlorobenzene	0.0200	0.0200	0.0232	0.0236
1,2,4-Trichlorobenzene	0.0200	0.0200	0.0227	0.0233
1,2-Dibromo-3-Chloropropane	0.0200	0.0200	0.0186	0.0192
1,2-Dichlorobenzene	0.0200	0.0200	0.0217	0.0218
1,2-Dichloroethane	0.0200	0.0200	0.0226	0.0228
1,2-Dichloropropane	0.0200	0.0200	0.0210	0.0208
1,3-Dichlorobenzene	0.0200	0.0200	0.0218	0.0219
1,4-Dichlorobenzene	0.0200	0.0200	0.0214	0.0214
1,4-Dioxane	0.400	0.400	0.434	0.452
2-Butanone (MEK)	0.100	0.100	0.105	0.109
2-Hexanone	0.100	0.100	0.109	0.109
4-Methyl-2-pentanone (MIBK)	0.100	0.100	0.110	0.112
Acetone	0.100	0.100	0.0989	0.102
Benzene	0.0200	0.0200	0.0211	0.0212
Bromodichloromethane	0.0200	0.0200	0.0203	0.0204
Bromoform	0.0200	0.0200	0.0197	0.0204
Bromomethane	0.0200	0.0200	0.0246	0.0241
Carbon disulfide	0.0200	0.0200	0.0216	0.0212
Carbon tetrachloride	0.0200	0.0200	0.0229	0.0228
Chlorobenzene	0.0200	0.0200	0.0222	0.0222
Chlorobromomethane	0.0200	0.0200	0.0221	0.0227
Chloroethane	0.0200	0.0200	0.0257	0.0256
Chloroform	0.0200	0.0200	0.0223	0.0227
Chloromethane	0.0200	0.0200	0.0149	0.0147
cis-1,2-Dichloroethene	0.0200	0.0200	0.0218	0.0223
cis-1,3-Dichloropropene	0.0200	0.0200	0.0194	0.0198
Cyclohexane	0.0200	0.0200	0.0210	0.0199
Dibromochloromethane	0.0200	0.0200	0.0202	0.0202
Dichlorodifluoromethane	0.0200	0.0200	0.0259	0.0244
Ethylbenzene	0.0200	0.0200	0.0221	0.0220
Ethylene Dibromide	0.0200	0.0200	0.0198	0.0200
Isopropylbenzene	0.0200	0.0200	0.0229	0.0229
m&p-Xylene	0.0200	0.0200	0.0223	0.0218

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379152**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379152/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 2024  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379152/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 2049  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	0.100	0.100	0.104	0.108
Methyl tert-butyl ether	0.0200	0.0200	0.0219	0.0224
Methylcyclohexane	0.0200	0.0200	0.0237	0.0229
Methylene Chloride	0.0200	0.0200	0.0216	0.0221
o-Xylene	0.0200	0.0200	0.0224	0.0221
Styrene	0.0200	0.0200	0.0215	0.0214
Tetrachloroethene	0.0200	0.0200	0.0247	0.0247
Toluene	0.0200	0.0200	0.0214	0.0210
trans-1,2-Dichloroethene	0.0200	0.0200	0.0227	0.0227
trans-1,3-Dichloropropene	0.0200	0.0200	0.0187	0.0187
Trichloroethene	0.0200	0.0200	0.0219	0.0219
Trichlorofluoromethane	0.0200	0.0200	0.0273 *	0.0269
Vinyl chloride	0.0200	0.0200	0.0167	0.0169
Xylenes, Total	0.0400	0.0400	0.0446	0.0440

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379154**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379154/7  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0300  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379154  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS2  
 Lab File ID: B02832.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.014	U	0.014	0.050
1,1,2,2-Tetrachloroethane	0.0095	U	0.0095	0.050
1,1,2-Trichloro-1,2,2-trifluoroethane	0.017	U	0.017	0.050
1,1,2-Trichloroethane	0.0040	U	0.0040	0.050
1,1-Dichloroethane	0.012	U	0.012	0.050
1,1-Dichloroethene	0.017	U	0.017	0.050
1,2,3-Trichlorobenzene	0.018	U	0.018	0.050
1,2,4-Trichlorobenzene	0.014	U	0.014	0.050
1,2-Dibromo-3-Chloropropane	0.012	U	0.012	0.050
1,2-Dichlorobenzene	0.011	U	0.011	0.050
1,2-Dichloroethane	0.013	U	0.013	0.050
1,2-Dichloropropane	0.0090	U	0.0090	0.050
1,3-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dioxane	0.44	U	0.44	1.3
2-Butanone (MEK)	0.11	U	0.11	0.25
2-Hexanone	0.036	U	0.036	0.25
4-Methyl-2-pentanone (MIBK)	0.032	U	0.032	0.25
Acetone	0.054	U	0.054	0.25
Benzene	0.0095	U	0.0095	0.050
Bromodichloromethane	0.0075	U	0.0075	0.050
Bromoform	0.0090	U	0.0090	0.050
Bromomethane	0.0090	U	0.0090	0.050
Carbon disulfide	0.011	U	0.011	0.050
Carbon tetrachloride	0.017	U	0.017	0.050
Chlorobenzene	0.012	U	0.012	0.050
Chlorobromomethane	0.015	U	0.015	0.050
Chloroethane	0.019	U	0.019	0.050
Chloroform	0.011	U	0.011	0.050
Chloromethane	0.011	U	0.011	0.050
cis-1,2-Dichloroethene	0.013	U	0.013	0.050
cis-1,3-Dichloropropene	0.0080	U	0.0080	0.050
Cyclohexane	0.013	U	0.013	0.050
Dibromochloromethane	0.011	U	0.011	0.050
Dichlorodifluoromethane	0.0070	U	0.0070	0.050
Ethylbenzene	0.015	U	0.015	0.050
Ethylene Dibromide	0.0095	U	0.0095	0.050
Isopropylbenzene	0.016	U	0.016	0.050
m&p-Xylene	0.014	U	0.014	0.050
Methyl acetate	0.029	U	0.029	0.25
Methyl tert-butyl ether	0.0065	U	0.0065	0.050
Methylcyclohexane	0.011	U	0.011	0.050
Methylene Chloride	0.011	U	0.011	0.050
o-Xylene	0.016	U	0.016	0.050
Styrene	0.0085	U	0.0085	0.050

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379154**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379154/7  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0300  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379154  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS2  
 Lab File ID: B02832.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.018	U	0.018	0.050
Toluene	0.013	U	0.013	0.050
trans-1,2-Dichloroethene	0.0090	U	0.0090	0.050
trans-1,3-Dichloropropene	0.0095	U	0.0095	0.050
Trichloroethene	0.011	U	0.011	0.050
Trichlorofluoromethane	0.0075	U	0.0075	0.050
Vinyl chloride	0.010	U	0.010	0.050
Xylenes, Total	0.014	U	0.014	0.10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	69 - 145
4-Bromofluorobenzene	100	64 - 131
Dibromofluoromethane (Surr)	101	74 - 134
Toluene-d8 (Surr)	99	72 - 136

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379154**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379154/3	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02828.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 0123	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379154/4	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02829.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 0148	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	96	97	81 - 125	2	30		
1,1,2,2-Tetrachloroethane	86	87	59 - 130	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	102	110	69 - 135	8	30		
1,1,2-Trichloroethane	91	97	72 - 117	7	30		
1,1-Dichloroethane	97	103	78 - 123	6	30		
1,1-Dichloroethene	91	94	78 - 125	3	30		
1,2,3-Trichlorobenzene	96	101	35 - 143	5	30		
1,2,4-Trichlorobenzene	94	92	45 - 137	3	30		
1,2-Dibromo-3-Chloropropane	79	84	37 - 130	6	30		
1,2-Dichlorobenzene	88	92	80 - 120	4	30		
1,2-Dichloroethane	102	104	75 - 122	2	30		
1,2-Dichloropropane	94	100	76 - 124	6	30		
1,3-Dichlorobenzene	92	95	80 - 120	4	30		
1,4-Dichlorobenzene	92	91	80 - 120	1	30		
1,4-Dioxane	99	89	65 - 145	10	30		
2-Butanone (MEK)	93	96	40 - 150	3	30		
2-Hexanone	96	99	44 - 136	2	30		
4-Methyl-2-pentanone (MIBK)	94	96	62 - 124	2	30		
Acetone	89	92	10 - 150	3	30		
Benzene	95	95	77 - 121	1	30		
Bromodichloromethane	82	90	78 - 122	9	30		
Bromoform	66	67	68 - 124	2	30	*	*
Bromomethane	95	92	66 - 145	4	30		
Carbon disulfide	80	84	72 - 127	5	30		
Carbon tetrachloride	83	90	77 - 136	8	30		
Chlorobenzene	94	95	84 - 114	1	30		
Chlorobromomethane	97	101	82 - 124	4	30		
Chloroethane	95	105	68 - 144	10	30		
Chloroform	100	101	82 - 123	1	30		
Chloromethane	95	105	63 - 138	10	30		
cis-1,2-Dichloroethene	95	100	80 - 120	4	30		
cis-1,3-Dichloropropene	94	96	78 - 120	2	30		
Cyclohexane	99	109	64 - 128	9	30		
Dibromochloromethane	79	81	83 - 121	3	30	*	*
Dichlorodifluoromethane	93	101	51 - 145	8	30		
Ethylbenzene	91	93	80 - 120	3	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379154**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379154/3	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02828.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 0123	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379154/4	Analysis Batch: 460-379154	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02829.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 0148	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	90	93	76 - 117	3	30		
Isopropylbenzene	94	94	81 - 124	0	30		
m&p-Xylene	91	91	81 - 117	0	30		
Methyl acetate	106	106	58 - 140	0	30		
Methyl tert-butyl ether	100	105	77 - 121	5	30		
Methylcyclohexane	96	96	55 - 133	0	30		
Methylene Chloride	90	97	78 - 122	7	30		
o-Xylene	91	92	79 - 116	1	30		
Styrene	88	96	80 - 120	9	30		
Tetrachloroethene	94	91	71 - 133	3	30		
Toluene	96	101	80 - 120	5	30		
trans-1,2-Dichloroethene	96	95	79 - 123	1	30		
trans-1,3-Dichloropropene	92	89	74 - 121	3	30		
Trichloroethene	92	102	82 - 122	11	30		
Trichlorofluoromethane	98	102	72 - 140	4	30		
Vinyl chloride	93	99	69 - 139	7	30		
Xylenes, Total	91	92	80 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	111	69 - 145
4-Bromofluorobenzene	95	102	64 - 131
Dibromofluoromethane (Surr)	100	100	74 - 134
Toluene-d8 (Surr)	99	100	72 - 136

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379154**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379154/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0123  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379154/4  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0148  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	1.00	1.00	0.955	0.971
1,1,2,2-Tetrachloroethane	1.00	1.00	0.860	0.865
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.00	1.02	1.10
1,1,2-Trichloroethane	1.00	1.00	0.906	0.971
1,1-Dichloroethane	1.00	1.00	0.970	1.03
1,1-Dichloroethene	1.00	1.00	0.908	0.940
1,2,3-Trichlorobenzene	1.00	1.00	0.957	1.01
1,2,4-Trichlorobenzene	1.00	1.00	0.943	0.918
1,2-Dibromo-3-Chloropropane	1.00	1.00	0.786	0.837
1,2-Dichlorobenzene	1.00	1.00	0.880	0.917
1,2-Dichloroethane	1.00	1.00	1.02	1.04
1,2-Dichloropropane	1.00	1.00	0.944	1.00
1,3-Dichlorobenzene	1.00	1.00	0.917	0.950
1,4-Dichlorobenzene	1.00	1.00	0.918	0.912
1,4-Dioxane	20.0	20.0	19.7	17.8
2-Butanone (MEK)	5.00	5.00	4.64	4.80
2-Hexanone	5.00	5.00	4.82	4.93
4-Methyl-2-pentanone (MIBK)	5.00	5.00	4.72	4.82
Acetone	5.00	5.00	4.46	4.58
Benzene	1.00	1.00	0.946	0.954
Bromodichloromethane	1.00	1.00	0.824	0.898
Bromoform	1.00	1.00	0.657	0.669
Bromomethane	1.00	1.00	0.950	0.916
Carbon disulfide	1.00	1.00	0.800	0.842
Carbon tetrachloride	1.00	1.00	0.831	0.897
Chlorobenzene	1.00	1.00	0.936	0.949
Chlorobromomethane	1.00	1.00	0.968	1.01
Chloroethane	1.00	1.00	0.952	1.05
Chloroform	1.00	1.00	0.996	1.01
Chloromethane	1.00	1.00	0.945	1.05
cis-1,2-Dichloroethene	1.00	1.00	0.952	0.995
cis-1,3-Dichloropropene	1.00	1.00	0.939	0.959
Cyclohexane	1.00	1.00	0.989	1.09
Dibromochloromethane	1.00	1.00	0.786	0.808
Dichlorodifluoromethane	1.00	1.00	0.932	1.01
Ethylbenzene	1.00	1.00	0.911	0.934
Ethylene Dibromide	1.00	1.00	0.902	0.927
Isopropylbenzene	1.00	1.00	0.935	0.939
m&p-Xylene	1.00	1.00	0.914	0.915

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379154**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379154/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0123  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379154/4  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 0148  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	5.00	5.00	5.28	5.30
Methyl tert-butyl ether	1.00	1.00	0.995	1.05
Methylcyclohexane	1.00	1.00	0.960	0.960
Methylene Chloride	1.00	1.00	0.903	0.971
o-Xylene	1.00	1.00	0.914	0.925
Styrene	1.00	1.00	0.884	0.964
Tetrachloroethene	1.00	1.00	0.938	0.908
Toluene	1.00	1.00	0.956	1.01
trans-1,2-Dichloroethene	1.00	1.00	0.957	0.948
trans-1,3-Dichloropropene	1.00	1.00	0.919	0.891
Trichloroethene	1.00	1.00	0.916	1.02
Trichlorofluoromethane	1.00	1.00	0.984	1.02
Vinyl chloride	1.00	1.00	0.926	0.988
Xylenes, Total	2.00	2.00	1.83	1.84

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-379235/1-A	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: 460-379235	Lab File ID: D23932.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 07/17/2016 0929	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0744		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U *	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00110		0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Neutral Leach or MeOH Extraction Blank - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

Lab Sample ID: LB3 460-379235/1-A	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: 460-379235	Lab File ID: D23932.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 07/17/2016 0929	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 0744		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U *	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	78 - 135
4-Bromofluorobenzene	100	67 - 126
Dibromofluoromethane (Surr)	103	61 - 149
Toluene-d8 (Surr)	102	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/17/2016 1311  
Prep Date: 07/15/2016 0752  
Leach Date: N/A

Analysis Batch: 460-379471  
Prep Batch: 460-379235  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23941.D  
Initial Weight/Volume: 4.27 g  
Final Weight/Volume: 5 mL  
5 mL

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/17/2016 1335  
Prep Date: 07/15/2016 0753  
Leach Date: N/A

Analysis Batch: 460-379471  
Prep Batch: 460-379235  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23942.D  
Initial Weight/Volume: 5.76 g  
Final Weight/Volume: 5 mL  
5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	95	99	80 - 125	25	30		
1,1,2,2-Tetrachloroethane	5	58	72 - 131	155	30	F1	F1 F2
1,1,2-Trichloro-1,2,2-trifluoroethane	81	90	78 - 132	20	30		
1,1,2-Trichloroethane	81	91	76 - 124	17	30		
1,1-Dichloroethane	93	100	80 - 124	23	30		
1,1-Dichloroethene	85	89	79 - 132	24	30		
1,2,3-Trichlorobenzene	62	58	75 - 123	35	30	F1	F1 F2
1,2,4-Trichlorobenzene	55	57	74 - 124	25	30	F1	F1
1,2-Dibromo-3-Chloropropane	73	79	65 - 129	22	30		
1,2-Dichlorobenzene	71	74	80 - 121	26	30	F1	F1
1,2-Dichloroethane	93	101	68 - 120	21	30		
1,2-Dichloropropane	90	96	77 - 124	24	30		
1,3-Dichlorobenzene	67	71	79 - 124	23	30	F1	F1
1,4-Dichlorobenzene	63	71	79 - 121	19	30	F1	F1
1,4-Dioxane	97	122	67 - 150	7	30		
2-Butanone (MEK)	102	106	61 - 140	25	30		
2-Hexanone	100	107	78 - 120	23	30		
4-Methyl-2-pentanone (MIBK)	102	109	80 - 120	23	30		
Acetone	110	126	75 - 120	16	30		F1
Benzene	85	91	75 - 127	22	30		
Bromodichloromethane	83	89	76 - 129	22	30		
Bromoform	82	86	19 - 150	26	30		
Bromomethane	101	101	59 - 136	30	30		
Carbon disulfide	74	76	74 - 130	25	30		
Carbon tetrachloride	91	92	77 - 138	28	30		
Chlorobenzene	83	91	80 - 120	21	30		
Chlorobromomethane	94	103	80 - 125	21	30		
Chloroethane	105	109	50 - 139	26	30		
Chloroform	97	105	80 - 122	23	30		
Chloromethane	68	65	66 - 128	33	30		F1 F2
cis-1,2-Dichloroethene	88	98	80 - 123	20	30		
cis-1,3-Dichloropropene	67	73	75 - 124	22	30	F1	F1
Cyclohexane	73	79	67 - 135	22	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/17/2016 1311  
Prep Date: 07/15/2016 0752  
Leach Date: N/A

Analysis Batch: 460-379471  
Prep Batch: 460-379235  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23941.D  
Initial Weight/Volume: 4.27 g  
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/17/2016 1335  
Prep Date: 07/15/2016 0753  
Leach Date: N/A

Analysis Batch: 460-379471  
Prep Batch: 460-379235  
Leach Batch: N/A

Instrument ID: CVOAMS4  
Lab File ID: D23942.D  
Initial Weight/Volume: 5.76 g  
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	79	84	67 - 143	24	30		
Dichlorodifluoromethane	97	103	72 - 127	23	30	*	*
Ethylbenzene	84	89	79 - 124	23	30		
Ethylene Dibromide	79	86	80 - 122	21	30	F1	
Isopropylbenzene	84	86	80 - 125	27	30		
m&p-Xylene	85	90	79 - 121	24	30		
Methyl acetate	47	92	73 - 123	37	30	F1	F2
Methyl tert-butyl ether	96	104	80 - 120	22	30		
Methylcyclohexane	70	77	71 - 137	20	30	F1	
Methylene Chloride	94	96	79 - 128	26	30		
o-Xylene	90	93	79 - 123	26	30		
Styrene	79	85	78 - 123	22	30		
Tetrachloroethene	87	94	73 - 130	22	30		
Toluene	83	89	75 - 122	23	30		
trans-1,2-Dichloroethene	84	96	80 - 129	18	30		
trans-1,3-Dichloropropene	63	72	72 - 121	17	30	F1	
Trichloroethene	148	112	79 - 122	56	30	F1	F2
Trichlorofluoromethane	109	109	68 - 136	30	30	*	*
Vinyl chloride	70	72	70 - 134	27	30		
Xylenes, Total	87	91	79 - 122	25	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	110	78 - 135
4-Bromofluorobenzene	102	106	67 - 126
Dibromofluoromethane (Surr)	104	110	61 - 149
Toluene-d8 (Surr)	103	107	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116994-8      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/17/2016 1311  
 Prep Date: 07/15/2016 0752  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/17/2016 1335  
 Prep Date: 07/15/2016 0753  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.00045 U	0.0276	0.0205	0.0261	0.0202
1,1,2,2-Tetrachloroethane	0.00020 U	0.0276	0.0205	0.00149 F1	0.0118 F1 F2
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00053 U	0.0276	0.0205	0.0224	0.0184
1,1,2-Trichloroethane	0.00033 U	0.0276	0.0205	0.0223	0.0187
1,1-Dichloroethane	0.00041 U	0.0276	0.0205	0.0256	0.0204
1,1-Dichloroethene	0.00049 U	0.0276	0.0205	0.0234	0.0183
1,2,3-Trichlorobenzene	0.00013 U	0.0276	0.0205	0.0170 F1	0.0119 F1 F2
1,2,4-Trichlorobenzene	0.00038 U	0.0276	0.0205	0.0152 F1	0.0117 F1
1,2-Dibromo-3-Chloropropane	0.00056 U	0.0276	0.0205	0.0202	0.0163
1,2-Dichlorobenzene	0.00017 U	0.0276	0.0205	0.0197 F1	0.0152 F1
1,2-Dichloroethane	0.00013 U	0.0276	0.0205	0.0257	0.0208
1,2-Dichloropropane	0.00020 U	0.0276	0.0205	0.0249	0.0196
1,3-Dichlorobenzene	0.00014 U	0.0276	0.0205	0.0184 F1	0.0146 F1
1,4-Dichlorobenzene	0.00016 U	0.0276	0.0205	0.0175 F1	0.0145 F1
1,4-Dioxane	0.0076 U	0.552	0.409	0.536	0.498
2-Butanone (MEK)	0.00092 U	0.138	0.102	0.141	0.109
2-Hexanone	0.0011 U	0.138	0.102	0.138	0.109
4-Methyl-2-pentanone (MIBK)	0.0027 U	0.138	0.102	0.141	0.112
Acetone	0.0088	0.138	0.102	0.161	0.137 F1
Benzene	0.00024 U	0.0276	0.0205	0.0234	0.0187
Bromodichloromethane	0.00045 U	0.0276	0.0205	0.0228	0.0182
Bromoform	0.00016 U	0.0276	0.0205	0.0228	0.0175
Bromomethane	0.00038 U	0.0276	0.0205	0.0279	0.0206
Carbon disulfide	0.0012	0.0276	0.0205	0.0215	0.0167
Carbon tetrachloride	0.00051 U	0.0276	0.0205	0.0250	0.0188
Chlorobenzene	0.00017 U	0.0276	0.0205	0.0230	0.0186
Chlorobromomethane	0.00020 U	0.0276	0.0205	0.0261	0.0210
Chloroethane	0.00042 U	0.0276	0.0205	0.0291	0.0224
Chloroform	0.00025 U	0.0276	0.0205	0.0269	0.0214
Chloromethane	0.00045 U	0.0276	0.0205	0.0188	0.0134 F1 F2
cis-1,2-Dichloroethene	0.00026 U	0.0276	0.0205	0.0243	0.0200
cis-1,3-Dichloropropene	0.00018 U	0.0276	0.0205	0.0185 F1	0.0149 F1
Cyclohexane	0.00055 U	0.0276	0.0205	0.0202	0.0162
Dibromochloromethane	0.00018 U	0.0276	0.0205	0.0219	0.0172
Dichlorodifluoromethane	0.00038 U	0.0276	0.0205	0.0267 *	0.0211 *
Ethylbenzene	0.00022 U	0.0276	0.0205	0.0231	0.0183
Ethylene Dibromide	0.00014 U	0.0276	0.0205	0.0217 F1	0.0176
Isopropylbenzene	0.00020 U	0.0276	0.0205	0.0233	0.0177
m&p-Xylene	0.00013 U	0.0276	0.0205	0.0234	0.0183
Methyl acetate	0.0011 U	0.138	0.102	0.0646 F1	0.0938 F2
Methyl tert-butyl ether	0.00020 U	0.0276	0.0205	0.0266	0.0213
Methylcyclohexane	0.00060 U	0.0276	0.0205	0.0194 F1	0.0158
Methylene Chloride	0.0012	0.0276	0.0205	0.0270	0.0209

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379235**

**Method: 8260C  
Preparation: 5035**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/17/2016 1311  
 Prep Date: 07/15/2016 0752  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/17/2016 1335  
 Prep Date: 07/15/2016 0753  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
o-Xylene	0.00019 U	0.0276	0.0205	0.0248	0.0190
Styrene	0.00018 U	0.0276	0.0205	0.0217	0.0175
Tetrachloroethene	0.00033 U	0.0276	0.0205	0.0242	0.0193
Toluene	0.00054 J	0.0276	0.0205	0.0235	0.0187
trans-1,2-Dichloroethene	0.00047 U	0.0276	0.0205	0.0233	0.0196
trans-1,3-Dichloropropene	0.00012 U	0.0276	0.0205	0.0175 F1	0.0147
Trichloroethene	0.00031 U	0.0276	0.0205	0.0409 F1	0.0230 F2
Trichlorofluoromethane	0.00041 U	0.0276	0.0205	0.0301 *	0.0223 *
Vinyl chloride	0.00047 U	0.0276	0.0205	0.0194	0.0148
Xylenes, Total	0.00013 U	0.0552	0.0409	0.0482	0.0374

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379260**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379260/9  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/15/2016 1549  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379260  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS2  
 Lab File ID: B02860.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.014	U	0.014	0.050
1,1,2,2-Tetrachloroethane	0.0095	U	0.0095	0.050
1,1,2-Trichloro-1,2,2-trifluoroethane	0.017	U	0.017	0.050
1,1,2-Trichloroethane	0.0040	U	0.0040	0.050
1,1-Dichloroethane	0.012	U	0.012	0.050
1,1-Dichloroethene	0.017	U	0.017	0.050
1,2,3-Trichlorobenzene	0.018	U	0.018	0.050
1,2,4-Trichlorobenzene	0.014	U	0.014	0.050
1,2-Dibromo-3-Chloropropane	0.012	U	0.012	0.050
1,2-Dichlorobenzene	0.011	U	0.011	0.050
1,2-Dichloroethane	0.013	U	0.013	0.050
1,2-Dichloropropane	0.0090	U	0.0090	0.050
1,3-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dichlorobenzene	0.017	U	0.017	0.050
1,4-Dioxane	0.44	U	0.44	1.3
2-Butanone (MEK)	0.11	U	0.11	0.25
2-Hexanone	0.036	U	0.036	0.25
4-Methyl-2-pentanone (MIBK)	0.032	U	0.032	0.25
Acetone	0.054	U	0.054	0.25
Benzene	0.0095	U	0.0095	0.050
Bromodichloromethane	0.0075	U	0.0075	0.050
Bromoform	0.0090	U	0.0090	0.050
Bromomethane	0.0090	U	0.0090	0.050
Carbon disulfide	0.011	U	0.011	0.050
Carbon tetrachloride	0.017	U	0.017	0.050
Chlorobenzene	0.012	U	0.012	0.050
Chlorobromomethane	0.015	U	0.015	0.050
Chloroethane	0.019	U	0.019	0.050
Chloroform	0.011	U	0.011	0.050
Chloromethane	0.011	U	0.011	0.050
cis-1,2-Dichloroethene	0.013	U	0.013	0.050
cis-1,3-Dichloropropene	0.0080	U	0.0080	0.050
Cyclohexane	0.013	U	0.013	0.050
Dibromochloromethane	0.011	U	0.011	0.050
Dichlorodifluoromethane	0.0070	U	0.0070	0.050
Ethylbenzene	0.015	U	0.015	0.050
Ethylene Dibromide	0.0095	U	0.0095	0.050
Isopropylbenzene	0.016	U	0.016	0.050
m&p-Xylene	0.014	U	0.014	0.050
Methyl acetate	0.029	U	0.029	0.25
Methyl tert-butyl ether	0.0065	U	0.0065	0.050
Methylcyclohexane	0.011	U	0.011	0.050
Methylene Chloride	0.011	U	0.011	0.050
o-Xylene	0.016	U	0.016	0.050
Styrene	0.0085	U	0.0085	0.050

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379260**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379260/9	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02860.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 1549	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.018	U	0.018	0.050
Toluene	0.013	U	0.013	0.050
trans-1,2-Dichloroethene	0.0090	U	0.0090	0.050
trans-1,3-Dichloropropene	0.0095	U	0.0095	0.050
Trichloroethene	0.011	U	0.011	0.050
Trichlorofluoromethane	0.0075	U	0.0075	0.050
Vinyl chloride	0.010	U	0.010	0.050
Xylenes, Total	0.014	U	0.014	0.10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	69 - 145
4-Bromofluorobenzene	95	64 - 131
Dibromofluoromethane (Surr)	97	74 - 134
Toluene-d8 (Surr)	98	72 - 136

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379260**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID:	LCS 460-379260/5	Analysis Batch:	460-379260	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B02856.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/15/2016 1408	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	1.00	0.852	85	81 - 125	
1,1,2,2-Tetrachloroethane	1.00	0.816	82	59 - 130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.902	90	69 - 135	
1,1,2-Trichloroethane	1.00	0.891	89	72 - 117	
1,1-Dichloroethane	1.00	0.888	89	78 - 123	
1,1-Dichloroethene	1.00	0.782	78	78 - 125	
1,2,3-Trichlorobenzene	1.00	0.867	87	35 - 143	
1,2,4-Trichlorobenzene	1.00	0.773	77	45 - 137	
1,2-Dibromo-3-Chloropropane	1.00	0.779	78	37 - 130	
1,2-Dichlorobenzene	1.00	0.799	80	80 - 120	
1,2-Dichloroethane	1.00	0.906	91	75 - 122	
1,2-Dichloropropane	1.00	0.901	90	76 - 124	
1,3-Dichlorobenzene	1.00	0.762	76	80 - 120	*
1,4-Dichlorobenzene	1.00	0.793	79	80 - 120	*
1,4-Dioxane	20.0	13.3	66	65 - 145	
2-Butanone (MEK)	5.00	4.59	92	40 - 150	
2-Hexanone	5.00	4.55	91	44 - 136	
4-Methyl-2-pentanone (MIBK)	5.00	4.51	90	62 - 124	
Acetone	5.00	4.09	82	10 - 150	
Benzene	1.00	0.850	85	77 - 121	
Bromodichloromethane	1.00	0.776	78	78 - 122	
Bromoform	1.00	0.594	59	68 - 124	*
Bromomethane	1.00	1.02	102	66 - 145	
Carbon disulfide	1.00	0.648	65	72 - 127	*
Carbon tetrachloride	1.00	0.794	79	77 - 136	
Chlorobenzene	1.00	0.813	81	84 - 114	*
Chlorobromomethane	1.00	0.891	89	82 - 124	
Chloroethane	1.00	1.06	106	68 - 144	
Chloroform	1.00	0.912	91	82 - 123	
Chloromethane	1.00	1.09	109	63 - 138	
cis-1,2-Dichloroethene	1.00	0.868	87	80 - 120	
cis-1,3-Dichloropropene	1.00	0.851	85	78 - 120	
Cyclohexane	1.00	0.874	87	64 - 128	
Dibromochloromethane	1.00	0.694	69	83 - 121	*
Dichlorodifluoromethane	1.00	0.999	100	51 - 145	
Ethylbenzene	1.00	0.810	81	80 - 120	
Ethylene Dibromide	1.00	0.792	79	76 - 117	
Isopropylbenzene	1.00	0.808	81	81 - 124	
m&p-Xylene	1.00	0.843	84	81 - 117	
Methyl acetate	5.00	4.87	97	58 - 140	
Methyl tert-butyl ether	1.00	0.906	91	77 - 121	
Methylcyclohexane	1.00	0.767	77	55 - 133	
Methylene Chloride	1.00	0.862	86	78 - 122	
o-Xylene	1.00	0.804	80	79 - 116	
Styrene	1.00	0.797	80	80 - 120	
Tetrachloroethene	1.00	0.791	79	71 - 133	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379260**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: LCS 460-379260/5	Analysis Batch: 460-379260	Instrument ID: CVOAMS2
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: B02856.D
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 1408	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	1.00	0.849	85	80 - 120	
trans-1,2-Dichloroethene	1.00	0.856	86	79 - 123	
trans-1,3-Dichloropropene	1.00	0.787	79	74 - 121	
Trichloroethene	1.00	0.850	85	82 - 122	
Trichlorofluoromethane	1.00	0.979	98	72 - 140	
Vinyl chloride	1.00	0.998	100	69 - 139	
Xylenes, Total	2.00	1.65	82	80 - 120	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		110		69 - 145	
4-Bromofluorobenzene		96		64 - 131	
Dibromofluoromethane (Surr)		99		74 - 134	
Toluene-d8 (Surr)		97		72 - 136	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379337**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-379337/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0007  
 Prep Date: 07/16/2016 0007  
 Leach Date: N/A

Analysis Batch: 460-379337  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS5  
 Lab File ID: E57314.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379337**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-379337/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0007  
 Prep Date: 07/16/2016 0007  
 Leach Date: N/A

Analysis Batch: 460-379337  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS5  
 Lab File ID: E57314.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	70 - 137
4-Bromofluorobenzene	93	70 - 131
Dibromofluoromethane (Surr)	104	72 - 136
Toluene-d8 (Surr)	103	74 - 120

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379337**

**Method: 8260C**

**Preparation: 5030C**

LCS Lab Sample ID: LCS 460-379337/3	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57310.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 2219	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 2219		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379337/4	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57311.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 2246	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 2246		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	117	103	76 - 131	13	30		
1,1,2,2-Tetrachloroethane	110	95	65 - 128	15	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	104	91	53 - 149	13	30		
1,1,2-Trichloroethane	117	100	77 - 122	16	30		
1,1-Dichloroethane	121	109	77 - 129	11	30		
1,1-Dichloroethene	110	98	67 - 133	11	30		
1,2,3-Trichlorobenzene	107	95	64 - 142	11	30		
1,2,4-Trichlorobenzene	111	94	66 - 137	16	30		
1,2-Dibromo-3-Chloropropane	96	81	55 - 133	18	30		
1,2-Dichlorobenzene	112	98	80 - 121	14	30		
1,2-Dichloroethane	123	106	73 - 131	14	30		
1,2-Dichloropropane	121	107	75 - 129	12	30		
1,3-Dichlorobenzene	110	97	80 - 120	13	30		
1,4-Dichlorobenzene	110	97	79 - 120	12	30		
1,4-Dioxane	114	101	65 - 150	13	30		
2-Butanone (MEK)	100	90	56 - 150	11	30		
2-Hexanone	108	98	64 - 150	9	30		
4-Methyl-2-pentanone (MIBK)	115	101	77 - 130	13	30		
Acetone	87	88	19 - 150	0	30		
Benzene	118	103	76 - 125	13	30		
Bromodichloromethane	113	99	78 - 127	13	30		
Bromoform	87	76	65 - 124	14	30		
Bromomethane	123	113	10 - 150	9	30		
Carbon disulfide	111	98	69 - 131	13	30		
Carbon tetrachloride	116	100	71 - 138	15	30		
Chlorobenzene	111	97	80 - 120	14	30		
Chlorobromomethane	107	92	71 - 137	15	30		
Chloroethane	156	161	40 - 150	3	30	*	*
Chloroform	119	103	81 - 127	14	30		
Chloromethane	116	106	45 - 150	9	30		
cis-1,2-Dichloroethene	112	98	82 - 127	13	30		
cis-1,3-Dichloropropene	109	97	72 - 125	12	30		
Cyclohexane	134	117	51 - 147	13	30		
Dibromochloromethane	104	91	78 - 120	14	30		
Dichlorodifluoromethane	109	101	32 - 150	8	30		
Ethylbenzene	110	98	80 - 120	11	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379337**

**Method: 8260C**

**Preparation: 5030C**

LCS Lab Sample ID: LCS 460-379337/3	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57310.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 2219	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 2219		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379337/4	Analysis Batch: 460-379337	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57311.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/15/2016 2246	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/15/2016 2246		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	107	94	80 - 120	13	30		
Isopropylbenzene	114	101	80 - 127	12	30		
m&p-Xylene	108	95	80 - 121	12	30		
Methyl acetate	111	97	63 - 150	14	30		
Methyl tert-butyl ether	113	98	78 - 129	14	30		
Methylcyclohexane	104	92	52 - 142	12	30		
Methylene Chloride	117	103	80 - 126	13	30		
o-Xylene	106	94	80 - 120	12	30		
Styrene	106	93	75 - 124	13	30		
Tetrachloroethene	106	96	71 - 132	11	30		
Toluene	114	102	80 - 120	11	30		
trans-1,2-Dichloroethene	109	95	78 - 127	14	30		
trans-1,3-Dichloropropene	111	97	69 - 125	13	30		
Trichloroethene	112	102	77 - 127	10	30		
Trichlorofluoromethane	146	133	50 - 150	10	30		
Vinyl chloride	114	106	53 - 142	7	30		
Xylenes, Total	107	94	80 - 120	12	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124	108	70 - 137
4-Bromofluorobenzene	110	97	70 - 131
Dibromofluoromethane (Surr)	114	103	72 - 136
Toluene-d8 (Surr)	116	102	74 - 120

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379337**

**Method: 8260C  
Preparation: 5030C**

LCS Lab Sample ID: LCS 460-379337/3      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 2219  
 Prep Date: 07/15/2016 2219  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379337/4  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 2246  
 Prep Date: 07/15/2016 2246  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	20.0	20.0	23.5	20.6
1,1,2,2-Tetrachloroethane	20.0	20.0	22.1	19.1
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.0	20.8	18.2
1,1,2-Trichloroethane	20.0	20.0	23.3	20.0
1,1-Dichloroethane	20.0	20.0	24.3	21.8
1,1-Dichloroethene	20.0	20.0	22.0	19.6
1,2,3-Trichlorobenzene	20.0	20.0	21.3	19.1
1,2,4-Trichlorobenzene	20.0	20.0	22.2	18.9
1,2-Dibromo-3-Chloropropane	20.0	20.0	19.3	16.1
1,2-Dichlorobenzene	20.0	20.0	22.5	19.5
1,2-Dichloroethane	20.0	20.0	24.5	21.2
1,2-Dichloropropane	20.0	20.0	24.1	21.4
1,3-Dichlorobenzene	20.0	20.0	22.1	19.4
1,4-Dichlorobenzene	20.0	20.0	22.0	19.5
1,4-Dioxane	400	400	458	402
2-Butanone (MEK)	100	100	99.7	89.6
2-Hexanone	100	100	108	98.4
4-Methyl-2-pentanone (MIBK)	100	100	115	101
Acetone	100	100	87.4	87.6
Benzene	20.0	20.0	23.6	20.7
Bromodichloromethane	20.0	20.0	22.7	19.8
Bromoform	20.0	20.0	17.4	15.2
Bromomethane	20.0	20.0	24.7	22.5
Carbon disulfide	20.0	20.0	22.3	19.6
Carbon tetrachloride	20.0	20.0	23.1	19.9
Chlorobenzene	20.0	20.0	22.2	19.4
Chlorobromomethane	20.0	20.0	21.3	18.4
Chloroethane	20.0	20.0	31.1	32.2
Chloroform	20.0	20.0	23.8	20.7
Chloromethane	20.0	20.0	23.1	21.1
cis-1,2-Dichloroethene	20.0	20.0	22.3	19.6
cis-1,3-Dichloropropene	20.0	20.0	21.8	19.4
Cyclohexane	20.0	20.0	26.7	23.4
Dibromochloromethane	20.0	20.0	20.9	18.2
Dichlorodifluoromethane	20.0	20.0	21.8	20.1
Ethylbenzene	20.0	20.0	22.0	19.7
Ethylene Dibromide	20.0	20.0	21.3	18.8
Isopropylbenzene	20.0	20.0	22.7	20.1
m&p-Xylene	20.0	20.0	21.5	19.1

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379337**

**Method: 8260C  
Preparation: 5030C**

LCS Lab Sample ID: LCS 460-379337/3      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 2219  
 Prep Date: 07/15/2016 2219  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379337/4  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 2246  
 Prep Date: 07/15/2016 2246  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	100	100	111	96.6
Methyl tert-butyl ether	20.0	20.0	22.5	19.6
Methylcyclohexane	20.0	20.0	20.8	18.5
Methylene Chloride	20.0	20.0	23.4	20.6
o-Xylene	20.0	20.0	21.2	18.7
Styrene	20.0	20.0	21.3	18.7
Tetrachloroethene	20.0	20.0	21.2	19.1
Toluene	20.0	20.0	22.8	20.3
trans-1,2-Dichloroethene	20.0	20.0	21.8	19.0
trans-1,3-Dichloropropene	20.0	20.0	22.1	19.4
Trichloroethene	20.0	20.0	22.4	20.3
Trichlorofluoromethane	20.0	20.0	29.3	26.6
Vinyl chloride	20.0	20.0	22.8	21.2
Xylenes, Total	40.0	40.0	42.7	37.8

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379412**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379412/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0748  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379412  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS4  
 Lab File ID: D23903.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00129		0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379412**

**Method: 8260C**  
**Preparation: N/A**

Lab Sample ID: MB 460-379412/7	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23903.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0748	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	78 - 135
4-Bromofluorobenzene	97	67 - 126
Dibromofluoromethane (Surr)	97	61 - 149
Toluene-d8 (Surr)	99	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379412**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379412/3	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23899.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0554	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379412/4	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23900.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0619	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	99	105	80 - 125	5	30		
1,1,2,2-Tetrachloroethane	76	77	72 - 131	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	99	99	78 - 132	1	30		
1,1,2-Trichloroethane	80	85	76 - 124	5	30		
1,1-Dichloroethane	95	99	80 - 124	4	30		
1,1-Dichloroethene	91	100	79 - 132	9	30		
1,2,3-Trichlorobenzene	97	102	75 - 123	4	30		
1,2,4-Trichlorobenzene	97	102	74 - 124	6	30		
1,2-Dibromo-3-Chloropropane	73	76	65 - 129	4	30		
1,2-Dichlorobenzene	92	95	80 - 121	4	30		
1,2-Dichloroethane	94	99	68 - 120	5	30		
1,2-Dichloropropane	86	93	77 - 124	7	30		
1,3-Dichlorobenzene	93	98	79 - 124	6	30		
1,4-Dichlorobenzene	92	95	79 - 121	4	30		
1,4-Dioxane	93	99	67 - 150	6	30		
2-Butanone (MEK)	90	98	61 - 140	8	30		
2-Hexanone	92	98	78 - 120	7	30		
4-Methyl-2-pentanone (MIBK)	93	98	80 - 120	6	30		
Acetone	94	101	75 - 120	7	30		
Benzene	86	92	75 - 127	7	30		
Bromodichloromethane	84	89	76 - 129	6	30		
Bromoform	79	87	19 - 150	9	30		
Bromomethane	119	122	59 - 136	3	30		
Carbon disulfide	82	87	74 - 130	7	30		
Carbon tetrachloride	100	105	77 - 138	5	30		
Chlorobenzene	94	100	80 - 120	7	30		
Chlorobromomethane	94	101	80 - 125	7	30		
Chloroethane	124	129	50 - 139	3	30		
Chloroform	97	102	80 - 122	5	30		
Chloromethane	77	79	66 - 128	2	30		
cis-1,2-Dichloroethene	92	99	80 - 123	8	30		
cis-1,3-Dichloropropene	79	84	75 - 124	7	30		
Cyclohexane	86	92	67 - 135	6	30		
Dibromochloromethane	82	87	67 - 143	6	30		
Dichlorodifluoromethane	124	128	72 - 127	3	30		*
Ethylbenzene	94	101	79 - 124	7	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379412**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379412/3	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23899.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0554	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379412/4	Analysis Batch: 460-379412	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23900.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 0619	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	81	85	80 - 122	4	30		
Isopropylbenzene	98	105	80 - 125	7	30		
m&p-Xylene	95	102	79 - 121	7	30		
Methyl acetate	84	87	73 - 123	4	30		
Methyl tert-butyl ether	93	98	80 - 120	6	30		
Methylcyclohexane	100	107	71 - 137	8	30		
Methylene Chloride	98	103	79 - 128	5	30		
o-Xylene	94	100	79 - 123	6	30		
Styrene	91	96	78 - 123	6	30		
Tetrachloroethene	105	114	73 - 130	8	30		
Toluene	90	95	75 - 122	5	30		
trans-1,2-Dichloroethene	96	103	80 - 129	8	30		
trans-1,3-Dichloropropene	75	79	72 - 121	5	30		
Trichloroethene	94	99	79 - 122	5	30		
Trichlorofluoromethane	135	144	68 - 136	6	30		*
Vinyl chloride	88	91	70 - 134	4	30		
Xylenes, Total	95	101	79 - 122	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	98	78 - 135
4-Bromofluorobenzene	99	95	67 - 126
Dibromofluoromethane (Surr)	103	98	61 - 149
Toluene-d8 (Surr)	102	99	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379412**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379412/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0554  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379412/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0619  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	0.0200	0.0200	0.0199	0.0210
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0151	0.0153
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200	0.0197	0.0199
1,1,2-Trichloroethane	0.0200	0.0200	0.0160	0.0169
1,1-Dichloroethane	0.0200	0.0200	0.0189	0.0197
1,1-Dichloroethene	0.0200	0.0200	0.0183	0.0200
1,2,3-Trichlorobenzene	0.0200	0.0200	0.0195	0.0203
1,2,4-Trichlorobenzene	0.0200	0.0200	0.0194	0.0205
1,2-Dibromo-3-Chloropropane	0.0200	0.0200	0.0146	0.0152
1,2-Dichlorobenzene	0.0200	0.0200	0.0184	0.0191
1,2-Dichloroethane	0.0200	0.0200	0.0188	0.0198
1,2-Dichloropropane	0.0200	0.0200	0.0173	0.0185
1,3-Dichlorobenzene	0.0200	0.0200	0.0186	0.0197
1,4-Dichlorobenzene	0.0200	0.0200	0.0183	0.0190
1,4-Dioxane	0.400	0.400	0.371	0.395
2-Butanone (MEK)	0.100	0.100	0.0902	0.0980
2-Hexanone	0.100	0.100	0.0916	0.0979
4-Methyl-2-pentanone (MIBK)	0.100	0.100	0.0930	0.0985
Acetone	0.100	0.100	0.0941	0.101
Benzene	0.0200	0.0200	0.0173	0.0185
Bromodichloromethane	0.0200	0.0200	0.0167	0.0178
Bromoform	0.0200	0.0200	0.0159	0.0174
Bromomethane	0.0200	0.0200	0.0238	0.0244
Carbon disulfide	0.0200	0.0200	0.0163	0.0175
Carbon tetrachloride	0.0200	0.0200	0.0200	0.0211
Chlorobenzene	0.0200	0.0200	0.0187	0.0201
Chlorobromomethane	0.0200	0.0200	0.0188	0.0201
Chloroethane	0.0200	0.0200	0.0249	0.0258
Chloroform	0.0200	0.0200	0.0194	0.0204
Chloromethane	0.0200	0.0200	0.0155	0.0157
cis-1,2-Dichloroethene	0.0200	0.0200	0.0183	0.0198
cis-1,3-Dichloropropene	0.0200	0.0200	0.0157	0.0168
Cyclohexane	0.0200	0.0200	0.0172	0.0183
Dibromochloromethane	0.0200	0.0200	0.0164	0.0174
Dichlorodifluoromethane	0.0200	0.0200	0.0248	0.0255 *
Ethylbenzene	0.0200	0.0200	0.0188	0.0202
Ethylene Dibromide	0.0200	0.0200	0.0163	0.0169
Isopropylbenzene	0.0200	0.0200	0.0197	0.0211
m&p-Xylene	0.0200	0.0200	0.0190	0.0205

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379412**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379412/3      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0554  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379412/4  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0619  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	0.100	0.100	0.0840	0.0871
Methyl tert-butyl ether	0.0200	0.0200	0.0185	0.0196
Methylcyclohexane	0.0200	0.0200	0.0199	0.0215
Methylene Chloride	0.0200	0.0200	0.0196	0.0206
o-Xylene	0.0200	0.0200	0.0188	0.0200
Styrene	0.0200	0.0200	0.0181	0.0191
Tetrachloroethene	0.0200	0.0200	0.0210	0.0228
Toluene	0.0200	0.0200	0.0181	0.0190
trans-1,2-Dichloroethene	0.0200	0.0200	0.0192	0.0207
trans-1,3-Dichloropropene	0.0200	0.0200	0.0150	0.0158
Trichloroethene	0.0200	0.0200	0.0187	0.0198
Trichlorofluoromethane	0.0200	0.0200	0.0270	0.0288 *
Vinyl chloride	0.0200	0.0200	0.0176	0.0182
Xylenes, Total	0.0400	0.0400	0.0378	0.0404

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-379422/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 1215  
 Prep Date: 07/16/2016 1215  
 Leach Date: N/A

Analysis Batch: 460-379422  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS5  
 Lab File ID: E57333.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-379422/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 1215  
 Prep Date: 07/16/2016 1215  
 Leach Date: N/A

Analysis Batch: 460-379422  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS5  
 Lab File ID: E57333.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	70 - 137
4-Bromofluorobenzene	94	70 - 131
Dibromofluoromethane (Surr)	104	72 - 136
Toluene-d8 (Surr)	103	74 - 120

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID:	LCS 460-379422/3	Analysis Batch:	460-379422	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E57329.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/16/2016 1027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/16/2016 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	22.1	110	76 - 131	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	65 - 128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5	97	53 - 149	
1,1,2-Trichloroethane	20.0	20.3	101	77 - 122	
1,1-Dichloroethane	20.0	23.1	116	77 - 129	
1,1-Dichloroethene	20.0	20.8	104	67 - 133	
1,2,3-Trichlorobenzene	20.0	19.2	96	64 - 142	
1,2,4-Trichlorobenzene	20.0	19.5	98	66 - 137	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	55 - 133	
1,2-Dichlorobenzene	20.0	20.3	102	80 - 121	
1,2-Dichloroethane	20.0	22.3	111	73 - 131	
1,2-Dichloropropane	20.0	23.0	115	75 - 129	
1,3-Dichlorobenzene	20.0	20.1	101	80 - 120	
1,4-Dichlorobenzene	20.0	20.1	100	79 - 120	
1,4-Dioxane	400	399	100	65 - 150	
2-Butanone (MEK)	100	89.8	90	56 - 150	
2-Hexanone	100	95.5	96	64 - 150	
4-Methyl-2-pentanone (MIBK)	100	101	101	77 - 130	
Acetone	100	87.3	87	19 - 150	
Benzene	20.0	21.7	108	76 - 125	
Bromodichloromethane	20.0	21.3	107	78 - 127	
Bromoform	20.0	15.2	76	65 - 124	
Bromomethane	20.0	24.8	124	10 - 150	
Carbon disulfide	20.0	20.9	105	69 - 131	
Carbon tetrachloride	20.0	21.6	108	71 - 138	
Chlorobenzene	20.0	20.3	101	80 - 120	
Chlorobromomethane	20.0	19.3	97	71 - 137	
Chloroethane	20.0	35.9	179	40 - 150	*
Chloroform	20.0	22.1	111	81 - 127	
Chloromethane	20.0	22.8	114	45 - 150	
cis-1,2-Dichloroethene	20.0	20.6	103	82 - 127	
cis-1,3-Dichloropropene	20.0	20.3	101	72 - 125	
Cyclohexane	20.0	25.5	128	51 - 147	
Dibromochloromethane	20.0	18.6	93	78 - 120	
Dichlorodifluoromethane	20.0	21.3	106	32 - 150	
Ethylbenzene	20.0	20.8	104	80 - 120	
Ethylene Dibromide	20.0	18.7	94	80 - 120	
Isopropylbenzene	20.0	20.7	104	80 - 127	
m&p-Xylene	20.0	19.7	98	80 - 121	
Methyl acetate	100	102	102	63 - 150	
Methyl tert-butyl ether	20.0	20.2	101	78 - 129	
Methylcyclohexane	20.0	20.0	100	52 - 142	
Methylene Chloride	20.0	21.3	107	80 - 126	
o-Xylene	20.0	19.6	98	80 - 120	
Styrene	20.0	19.7	98	75 - 124	
Tetrachloroethene	20.0	19.8	99	71 - 132	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID:	LCS 460-379422/3	Analysis Batch:	460-379422	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E57329.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/16/2016 1027	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/16/2016 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.1	106	80 - 120	
trans-1,2-Dichloroethene	20.0	20.5	103	78 - 127	
trans-1,3-Dichloropropene	20.0	20.4	102	69 - 125	
Trichloroethene	20.0	21.2	106	77 - 127	
Trichlorofluoromethane	20.0	28.8	144	50 - 150	
Vinyl chloride	20.0	22.7	114	53 - 142	
Xylenes, Total	40.0	39.3	98	80 - 120	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		112		70 - 137	
4-Bromofluorobenzene		96		70 - 131	
Dibromofluoromethane (Surr)		104		72 - 136	
Toluene-d8 (Surr)		103		74 - 120	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-116741-B-1 MS	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57342.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1618		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1618		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116741-B-1 MSD	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57343.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1645		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1645		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	110	111	76 - 131	0	30		
1,1,2,2-Tetrachloroethane	100	95	65 - 128	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	98	99	53 - 149	1	30		
1,1,2-Trichloroethane	99	97	77 - 122	2	30		
1,1-Dichloroethane	113	112	77 - 129	1	30		
1,1-Dichloroethene	101	104	67 - 133	2	30		
1,2,3-Trichlorobenzene	91	89	64 - 142	1	30		
1,2,4-Trichlorobenzene	90	91	66 - 137	0	30		
1,2-Dibromo-3-Chloropropane	81	84	55 - 133	3	30		
1,2-Dichlorobenzene	98	95	80 - 121	3	30		
1,2-Dichloroethane	110	108	73 - 131	2	30		
1,2-Dichloropropane	108	108	75 - 129	0	30		
1,3-Dichlorobenzene	96	94	80 - 120	2	30		
1,4-Dichlorobenzene	96	96	79 - 120	0	30		
1,4-Dioxane	84	95	65 - 150	12	30		
2-Butanone (MEK)	86	83	56 - 150	3	30		
2-Hexanone	95	94	64 - 150	2	30		
4-Methyl-2-pentanone (MIBK)	101	99	77 - 130	3	30		
Acetone	75	74	19 - 150	1	30		
Benzene	105	105	76 - 125	0	30		
Bromodichloromethane	104	101	78 - 127	3	30		
Bromoform	78	75	65 - 124	3	30		
Bromomethane	111	134	10 - 150	18	30		
Carbon disulfide	102	103	69 - 131	1	30		
Carbon tetrachloride	111	109	71 - 138	2	30		
Chlorobenzene	98	98	80 - 120	0	30		
Chlorobromomethane	94	94	71 - 137	1	30		
Chloroethane	231	272	40 - 150	16	30	F1	F1
Chloroform	107	106	81 - 127	1	30		
Chloromethane	105	121	45 - 150	14	30		
cis-1,2-Dichloroethene	100	98	82 - 127	2	30		
cis-1,3-Dichloropropene	94	93	72 - 125	1	30		
Cyclohexane	127	128	51 - 147	1	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-116741-B-1 MS	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57342.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1618		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1618		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-116741-B-1 MSD	Analysis Batch: 460-379422	Instrument ID: CVOAMS5
Client Matrix: Water	Prep Batch: N/A	Lab File ID: E57343.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/16/2016 1645		Final Weight/Volume: 5 mL
Prep Date: 07/16/2016 1645		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	90	89	78 - 120	0	30		
Dichlorodifluoromethane	101	115	32 - 150	13	30		
Ethylbenzene	100	101	80 - 120	0	30		
Ethylene Dibromide	91	91	80 - 120	0	30		
Isopropylbenzene	101	101	80 - 127	0	30		
m&p-Xylene	96	95	80 - 121	1	30		
Methyl acetate	100	96	63 - 150	4	30		
Methyl tert-butyl ether	98	97	78 - 129	1	30		
Methylcyclohexane	101	99	52 - 142	2	30		
Methylene Chloride	100	101	80 - 126	1	30		
o-Xylene	94	93	80 - 120	1	30		
Styrene	93	93	75 - 124	0	30		
Tetrachloroethene	97	94	71 - 132	3	30		
Toluene	102	101	80 - 120	1	30		
trans-1,2-Dichloroethene	99	100	78 - 127	1	30		
trans-1,3-Dichloropropene	96	95	69 - 125	2	30		
Trichloroethene	103	101	77 - 127	2	30		
Trichlorofluoromethane	135	155	50 - 150	14	30		F1
Vinyl chloride	104	124	53 - 142	17	30		
Xylenes, Total	95	94	80 - 120	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	109	70 - 137
4-Bromofluorobenzene	95	96	70 - 131
Dibromofluoromethane (Surr)	104	102	72 - 136
Toluene-d8 (Surr)	100	102	74 - 120

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-116741-B-1 MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/16/2016 1618  
 Prep Date: 07/16/2016 1618  
 Leach Date: N/A

MSD Lab Sample ID: 460-116741-B-1 MSD  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/16/2016 1645  
 Prep Date: 07/16/2016 1645  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,1-Trichloroethane	0.28 U	200	200	221	221
1,1,2,2-Tetrachloroethane	0.19 U	200	200	199	189
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34 U	200	200	196	198
1,1,2-Trichloroethane	0.080 U	200	200	198	194
1,1-Dichloroethane	0.24 U	200	200	226	224
1,1-Dichloroethene	0.34 U	200	200	203	208
1,2,3-Trichlorobenzene	0.35 U	200	200	181	179
1,2,4-Trichlorobenzene	0.27 U	200	200	181	182
1,2-Dibromo-3-Chloropropane	0.23 U	200	200	162	167
1,2-Dichlorobenzene	0.22 U	200	200	196	190
1,2-Dichloroethane	0.25 U	200	200	220	215
1,2-Dichloropropane	0.18 U	200	200	217	216
1,3-Dichlorobenzene	0.33 U	200	200	193	189
1,4-Dichlorobenzene	0.33 U	200	200	192	193
1,4-Dioxane	8.7 U	4000	4000	3360	3780
2-Butanone (MEK)	2.2 U	1000	1000	862	834
2-Hexanone	0.72 U	1000	1000	951	935
4-Methyl-2-pentanone (MIBK)	0.63 U	1000	1000	1010	986
Acetone	1.1 U	1000	1000	748	740
Benzene	0.090 U	200	200	210	209
Bromodichloromethane	0.15 U	200	200	209	202
Bromoform	0.18 U	200	200	156	151
Bromomethane	0.18 U	200	200	222	267
Carbon disulfide	0.22 U	200	200	205	207
Carbon tetrachloride	0.33 U	200	200	221	217
Chlorobenzene	0.24 U	200	200	195	195
Chlorobromomethane	0.30 U	200	200	188	187
Chloroethane	0.37 U	200	200	463	F1 544 F1
Chloroform	0.22 U	200	200	214	212
Chloromethane	0.22 U	200	200	210	242
cis-1,2-Dichloroethene	0.26 U	200	200	200	197
cis-1,3-Dichloropropene	0.16 U	200	200	187	185
Cyclohexane	0.26 U	200	200	255	257
Dibromochloromethane	0.22 U	200	200	180	179
Dichlorodifluoromethane	0.14 U	200	200	202	230
Ethylbenzene	0.30 U	200	200	201	201
Ethylene Dibromide	0.19 U	200	200	182	181
Isopropylbenzene	0.32 U	200	200	202	202
m&p-Xylene	0.28 U	200	200	192	191
Methyl acetate	0.58 U	1000	1000	1000	963
Methyl tert-butyl ether	0.13 U	200	200	197	195
Methylcyclohexane	0.22 U	200	200	202	197
Methylene Chloride	0.21 U	200	200	200	201

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379422**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-116741-B-1 MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/16/2016 1618  
 Prep Date: 07/16/2016 1618  
 Leach Date: N/A

MSD Lab Sample ID: 460-116741-B-1 MSD  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/16/2016 1645  
 Prep Date: 07/16/2016 1645  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
o-Xylene	0.32	U	200	200	188	186	
Styrene	0.17	U	200	200	186	185	
Tetrachloroethene	0.81	J	200	200	195	189	
Toluene	0.25	U	200	200	204	203	
trans-1,2-Dichloroethene	0.18	U	200	200	199	200	
trans-1,3-Dichloropropene	0.19	U	200	200	192	189	
Trichloroethene	1.0		200	200	207	204	
Trichlorofluoromethane	0.15	U	200	200	270	310	F1
Vinyl chloride	0.060	U	200	200	209	248	
Xylenes, Total	0.28	U	400	400	380	376	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379471**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379471/7  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/17/2016 0904  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379471  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS4  
 Lab File ID: D23931.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.000455	J	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-379471

Method: 8260C  
Preparation: N/A

Lab Sample ID: MB 460-379471/7  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/17/2016 0904  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 460-379471  
Prep Batch: N/A  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: CVOAMS4  
Lab File ID: D23931.D  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	78 - 135
4-Bromofluorobenzene	101	67 - 126
Dibromofluoromethane (Surr)	102	61 - 149
Toluene-d8 (Surr)	102	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379471**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID:	LCS 460-379471/3	Analysis Batch:	460-379471	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D23927.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/17/2016 0713	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.0200	0.0204	102	80 - 125	
1,1,2,2-Tetrachloroethane	0.0200	0.0154	77	72 - 131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0197	99	78 - 132	
1,1,2-Trichloroethane	0.0200	0.0169	84	76 - 124	
1,1-Dichloroethane	0.0200	0.0196	98	80 - 124	
1,1-Dichloroethene	0.0200	0.0197	99	79 - 132	
1,2,3-Trichlorobenzene	0.0200	0.0207	103	75 - 123	
1,2,4-Trichlorobenzene	0.0200	0.0206	103	74 - 124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0155	77	65 - 129	
1,2-Dichlorobenzene	0.0200	0.0195	97	80 - 121	
1,2-Dichloroethane	0.0200	0.0196	98	68 - 120	
1,2-Dichloropropane	0.0200	0.0186	93	77 - 124	
1,3-Dichlorobenzene	0.0200	0.0195	98	79 - 124	
1,4-Dichlorobenzene	0.0200	0.0191	95	79 - 121	
1,4-Dioxane	0.400	0.376	94	67 - 150	
2-Butanone (MEK)	0.100	0.102	102	61 - 140	
2-Hexanone	0.100	0.101	101	78 - 120	
4-Methyl-2-pentanone (MIBK)	0.100	0.101	101	80 - 120	
Acetone	0.100	0.101	101	75 - 120	
Benzene	0.0200	0.0182	91	75 - 127	
Bromodichloromethane	0.0200	0.0178	89	76 - 129	
Bromoform	0.0200	0.0177	89	19 - 150	
Bromomethane	0.0200	0.0249	124	59 - 136	
Carbon disulfide	0.0200	0.0171	86	74 - 130	
Carbon tetrachloride	0.0200	0.0211	106	77 - 138	
Chlorobenzene	0.0200	0.0200	100	80 - 120	
Chlorobromomethane	0.0200	0.0206	103	80 - 125	
Chloroethane	0.0200	0.0247	124	50 - 139	
Chloroform	0.0200	0.0205	102	80 - 122	
Chloromethane	0.0200	0.0150	75	66 - 128	
cis-1,2-Dichloroethene	0.0200	0.0201	100	80 - 123	
cis-1,3-Dichloropropene	0.0200	0.0166	83	75 - 124	
Cyclohexane	0.0200	0.0179	89	67 - 135	
Dibromochloromethane	0.0200	0.0175	87	67 - 143	
Dichlorodifluoromethane	0.0200	0.0237	118	72 - 127	
Ethylbenzene	0.0200	0.0201	100	79 - 124	
Ethylene Dibromide	0.0200	0.0173	87	80 - 122	
Isopropylbenzene	0.0200	0.0207	103	80 - 125	
m&p-Xylene	0.0200	0.0200	100	79 - 121	
Methyl acetate	0.100	0.0857	86	73 - 123	
Methyl tert-butyl ether	0.0200	0.0178	89	80 - 120	
Methylcyclohexane	0.0200	0.0209	104	71 - 137	
Methylene Chloride	0.0200	0.0201	100	79 - 128	
o-Xylene	0.0200	0.0201	100	79 - 123	
Styrene	0.0200	0.0194	97	78 - 123	
Tetrachloroethene	0.0200	0.0222	111	73 - 130	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379471**

**Method: 8260C**  
**Preparation: N/A**

Lab Sample ID: LCS 460-379471/3	Analysis Batch: 460-379471	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23927.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/17/2016 0713	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	0.0200	0.0187	93	75 - 122	
trans-1,2-Dichloroethene	0.0200	0.0206	103	80 - 129	
trans-1,3-Dichloropropene	0.0200	0.0157	79	72 - 121	
Trichloroethene	0.0200	0.0198	99	79 - 122	
Trichlorofluoromethane	0.0200	0.0270	135	68 - 136	
Vinyl chloride	0.0200	0.0175	88	70 - 134	
Xylenes, Total	0.0400	0.0400	100	79 - 122	
<b>Surrogate</b>		<b>% Rec</b>	<b>Acceptance Limits</b>		
1,2-Dichloroethane-d4 (Surr)		105	78 - 135		
4-Bromofluorobenzene		104	67 - 126		
Dibromofluoromethane (Surr)		110	61 - 149		
Toluene-d8 (Surr)		105	73 - 121		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379524**

**Method: 8260C  
Preparation: N/A**

Lab Sample ID: MB 460-379524/8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0859  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379524  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CVOAMS4  
 Lab File ID: D23962.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.00038	U	0.00038	0.0010
1,1,2,2-Tetrachloroethane	0.00017	U	0.00017	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00044	U	0.00044	0.0010
1,1,2-Trichloroethane	0.00028	U	0.00028	0.0010
1,1-Dichloroethane	0.00034	U	0.00034	0.0010
1,1-Dichloroethene	0.00041	U	0.00041	0.0010
1,2,3-Trichlorobenzene	0.00011	U	0.00011	0.0010
1,2,4-Trichlorobenzene	0.00032	U	0.00032	0.0010
1,2-Dibromo-3-Chloropropane	0.00047	U	0.00047	0.0010
1,2-Dichlorobenzene	0.00014	U	0.00014	0.0010
1,2-Dichloroethane	0.00011	U	0.00011	0.0010
1,2-Dichloropropane	0.00017	U	0.00017	0.0010
1,3-Dichlorobenzene	0.00012	U	0.00012	0.0010
1,4-Dichlorobenzene	0.00013	U	0.00013	0.0010
1,4-Dioxane	0.0064	U	0.0064	0.020
2-Butanone (MEK)	0.00077	U	0.00077	0.0050
2-Hexanone	0.00094	U	0.00094	0.0050
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0022	0.0050
Acetone	0.0011	U	0.0011	0.0050
Benzene	0.00020	U	0.00020	0.0010
Bromodichloromethane	0.00038	U	0.00038	0.0010
Bromoform	0.00013	U	0.00013	0.0010
Bromomethane	0.00032	U	0.00032	0.0010
Carbon disulfide	0.00043	U	0.00043	0.0010
Carbon tetrachloride	0.00043	U	0.00043	0.0010
Chlorobenzene	0.00014	U	0.00014	0.0010
Chlorobromomethane	0.00017	U	0.00017	0.0010
Chloroethane	0.00035	U	0.00035	0.0010
Chloroform	0.00021	U	0.00021	0.0010
Chloromethane	0.00038	U	0.00038	0.0010
cis-1,2-Dichloroethene	0.00022	U	0.00022	0.0010
cis-1,3-Dichloropropene	0.00015	U	0.00015	0.0010
Cyclohexane	0.00046	U	0.00046	0.0010
Dibromochloromethane	0.00015	U	0.00015	0.0010
Dichlorodifluoromethane	0.00032	U	0.00032	0.0010
Ethylbenzene	0.00018	U	0.00018	0.0010
Ethylene Dibromide	0.00012	U	0.00012	0.0010
Isopropylbenzene	0.00017	U	0.00017	0.0010
m&p-Xylene	0.00011	U	0.00011	0.0010
Methyl acetate	0.00090	U	0.00090	0.0050
Methyl tert-butyl ether	0.00017	U	0.00017	0.0010
Methylcyclohexane	0.00050	U	0.00050	0.0010
Methylene Chloride	0.00032	U	0.00032	0.0010
o-Xylene	0.00016	U	0.00016	0.0010
Styrene	0.00015	U	0.00015	0.0010

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-379524

**Method: 8260C**  
**Preparation: N/A**

Lab Sample ID: MB 460-379524/8	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23962.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/18/2016 0859	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.00028	U	0.00028	0.0010
Toluene	0.00019	U	0.00019	0.0010
trans-1,2-Dichloroethene	0.00039	U	0.00039	0.0010
trans-1,3-Dichloropropene	0.00010	U	0.00010	0.0010
Trichloroethene	0.00026	U	0.00026	0.0010
Trichlorofluoromethane	0.00034	U	0.00034	0.0010
Vinyl chloride	0.00039	U	0.00039	0.0010
Xylenes, Total	0.00011	U	0.00011	0.0020

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	78 - 135
4-Bromofluorobenzene	91	67 - 126
Dibromofluoromethane (Surr)	83	61 - 149
Toluene-d8 (Surr)	90	73 - 121

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**  
**Lab Control Sample Duplicate Recovery Report - Batch: 460-379524**      **Method: 8260C**  
**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379524/4	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23958.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/18/2016 0721	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379524/5	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23959.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/18/2016 0745	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	98	99	80 - 125	1	30		
1,1,2,2-Tetrachloroethane	89	84	72 - 131	6	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	99	88	78 - 132	11	30		
1,1,2-Trichloroethane	95	90	76 - 124	5	30		
1,1-Dichloroethane	100	99	80 - 124	1	30		
1,1-Dichloroethene	96	98	79 - 132	2	30		
1,2,3-Trichlorobenzene	114	109	75 - 123	4	30		
1,2,4-Trichlorobenzene	113	110	74 - 124	2	30		
1,2-Dibromo-3-Chloropropane	92	85	65 - 129	7	30		
1,2-Dichlorobenzene	106	103	80 - 121	3	30		
1,2-Dichloroethane	101	96	68 - 120	5	30		
1,2-Dichloropropane	96	92	77 - 124	4	30		
1,3-Dichlorobenzene	107	105	79 - 124	2	30		
1,4-Dichlorobenzene	105	103	79 - 121	2	30		
1,4-Dioxane	112	108	67 - 150	4	30		
2-Butanone (MEK)	104	100	61 - 140	4	30		
2-Hexanone	109	101	78 - 120	7	30		
4-Methyl-2-pentanone (MIBK)	108	104	80 - 120	4	30		
Acetone	103	97	75 - 120	6	30		
Benzene	97	96	75 - 127	1	30		
Bromodichloromethane	92	90	76 - 129	2	30		
Bromoform	102	91	19 - 150	11	30		
Bromomethane	87	88	59 - 136	0	30		
Carbon disulfide	95	96	74 - 130	1	30		
Carbon tetrachloride	104	105	77 - 138	1	30		
Chlorobenzene	109	106	80 - 120	3	30		
Chlorobromomethane	104	99	80 - 125	5	30		
Chloroethane	89	89	50 - 139	1	30		
Chloroform	102	99	80 - 122	3	30		
Chloromethane	53	54	66 - 128	2	30	*	*
cis-1,2-Dichloroethene	98	99	80 - 123	1	30		
cis-1,3-Dichloropropene	93	90	75 - 124	3	30		
Cyclohexane	93	94	67 - 135	1	30		
Dibromochloromethane	97	92	67 - 143	6	30		
Dichlorodifluoromethane	94	93	72 - 127	1	30		
Ethylbenzene	107	107	79 - 124	0	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379524**

**Method: 8260C**

**Preparation: N/A**

LCS Lab Sample ID: LCS 460-379524/4	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23958.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/18/2016 0721	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-379524/5	Analysis Batch: 460-379524	Instrument ID: CVOAMS4
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: D23959.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/18/2016 0745	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylene Dibromide	96	91	80 - 122	5	30		
Isopropylbenzene	111	110	80 - 125	1	30		
m&p-Xylene	108	106	79 - 121	2	30		
Methyl acetate	92	86	73 - 123	7	30		
Methyl tert-butyl ether	100	93	80 - 120	7	30		
Methylcyclohexane	106	107	71 - 137	0	30		
Methylene Chloride	101	98	79 - 128	4	30		
o-Xylene	109	106	79 - 123	2	30		
Styrene	107	104	78 - 123	4	30		
Tetrachloroethene	120	118	73 - 130	2	30		
Toluene	102	100	75 - 122	3	30		
trans-1,2-Dichloroethene	104	104	80 - 129	0	30		
trans-1,3-Dichloropropene	90	85	72 - 121	6	30		
Trichloroethene	98	97	79 - 122	2	30		
Trichlorofluoromethane	100	99	68 - 136	0	30		
Vinyl chloride	62	63	70 - 134	1	30	*	*
Xylenes, Total	108	106	79 - 122	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	87	78 - 135
4-Bromofluorobenzene	97	93	67 - 126
Dibromofluoromethane (Surr)	93	89	61 - 149
Toluene-d8 (Surr)	97	93	73 - 121

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379524**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379524/4      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0721  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379524/5  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0745  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1-Trichloroethane	0.0200	0.0200	0.0196	0.0199
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0179	0.0169
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200	0.0197	0.0176
1,1,2-Trichloroethane	0.0200	0.0200	0.0190	0.0180
1,1-Dichloroethane	0.0200	0.0200	0.0199	0.0197
1,1-Dichloroethene	0.0200	0.0200	0.0192	0.0197
1,2,3-Trichlorobenzene	0.0200	0.0200	0.0227	0.0218
1,2,4-Trichlorobenzene	0.0200	0.0200	0.0226	0.0220
1,2-Dibromo-3-Chloropropane	0.0200	0.0200	0.0183	0.0170
1,2-Dichlorobenzene	0.0200	0.0200	0.0212	0.0207
1,2-Dichloroethane	0.0200	0.0200	0.0201	0.0191
1,2-Dichloropropane	0.0200	0.0200	0.0191	0.0184
1,3-Dichlorobenzene	0.0200	0.0200	0.0214	0.0210
1,4-Dichlorobenzene	0.0200	0.0200	0.0210	0.0206
1,4-Dioxane	0.400	0.400	0.449	0.433
2-Butanone (MEK)	0.100	0.100	0.104	0.100
2-Hexanone	0.100	0.100	0.109	0.101
4-Methyl-2-pentanone (MIBK)	0.100	0.100	0.108	0.104
Acetone	0.100	0.100	0.103	0.0970
Benzene	0.0200	0.0200	0.0193	0.0192
Bromodichloromethane	0.0200	0.0200	0.0184	0.0180
Bromoform	0.0200	0.0200	0.0203	0.0181
Bromomethane	0.0200	0.0200	0.0175	0.0176
Carbon disulfide	0.0200	0.0200	0.0190	0.0192
Carbon tetrachloride	0.0200	0.0200	0.0209	0.0210
Chlorobenzene	0.0200	0.0200	0.0217	0.0212
Chlorobromomethane	0.0200	0.0200	0.0208	0.0198
Chloroethane	0.0200	0.0200	0.0178	0.0179
Chloroform	0.0200	0.0200	0.0204	0.0198
Chloromethane	0.0200	0.0200	0.0105	0.0108
cis-1,2-Dichloroethene	0.0200	0.0200	0.0196	0.0197
cis-1,3-Dichloropropene	0.0200	0.0200	0.0185	0.0179
Cyclohexane	0.0200	0.0200	0.0187	0.0188
Dibromochloromethane	0.0200	0.0200	0.0195	0.0184
Dichlorodifluoromethane	0.0200	0.0200	0.0188	0.0187
Ethylbenzene	0.0200	0.0200	0.0213	0.0213
Ethylene Dibromide	0.0200	0.0200	0.0193	0.0183
Isopropylbenzene	0.0200	0.0200	0.0222	0.0220
m&p-Xylene	0.0200	0.0200	0.0216	0.0211

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379524**

**Method: 8260C  
Preparation: N/A**

LCS Lab Sample ID: LCS 460-379524/4      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0721  
 Prep Date: N/A  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379524/5  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0745  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Methyl acetate	0.100	0.100	0.0920	0.0856
Methyl tert-butyl ether	0.0200	0.0200	0.0200	0.0185
Methylcyclohexane	0.0200	0.0200	0.0213	0.0214
Methylene Chloride	0.0200	0.0200	0.0202	0.0195
o-Xylene	0.0200	0.0200	0.0217	0.0213
Styrene	0.0200	0.0200	0.0215	0.0207
Tetrachloroethene	0.0200	0.0200	0.0240	0.0235
Toluene	0.0200	0.0200	0.0204	0.0199
trans-1,2-Dichloroethene	0.0200	0.0200	0.0207	0.0208
trans-1,3-Dichloropropene	0.0200	0.0200	0.0180	0.0169
Trichloroethene	0.0200	0.0200	0.0197	0.0193
Trichlorofluoromethane	0.0200	0.0200	0.0199	0.0199
Vinyl chloride	0.0200	0.0200	0.0124 *	0.0126 *
Xylenes, Total	0.0400	0.0400	0.0433	0.0424

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-380463/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/22/2016 1140  
 Prep Date: 07/22/2016 1140  
 Leach Date: N/A

Analysis Batch: 460-380463  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS8  
 Lab File ID: J43615.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromodichloromethane	0.15	U	0.15	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dibromochloromethane	0.22	U	0.22	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
m&p-Xylene	0.28	U	0.28	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: MB 460-380463/7  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/22/2016 1140  
 Prep Date: 07/22/2016 1140  
 Leach Date: N/A

Analysis Batch: 460-380463  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CVOAMS8  
 Lab File ID: J43615.D  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0
Xylenes, Total	0.28	U	0.28	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	70 - 137
4-Bromofluorobenzene	101	70 - 131
Dibromofluoromethane (Surr)	89	72 - 136
Toluene-d8 (Surr)	94	74 - 120

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

Lab Sample ID: LCS 460-380463/3	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43611.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 0957	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 0957		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	17.5	87	76 - 131	
1,1,2,2-Tetrachloroethane	20.0	15.4	77	65 - 128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8	99	53 - 149	
1,1,2-Trichloroethane	20.0	17.0	85	77 - 122	
1,1-Dichloroethane	20.0	19.1	95	77 - 129	
1,1-Dichloroethene	20.0	18.2	91	67 - 133	
1,2,3-Trichlorobenzene	20.0	18.1	90	64 - 142	
1,2,4-Trichlorobenzene	20.0	19.8	99	66 - 137	
1,2-Dibromo-3-Chloropropane	20.0	15.1	76	55 - 133	
1,2-Dichlorobenzene	20.0	19.1	96	80 - 121	
1,2-Dichloroethane	20.0	17.3	86	73 - 131	
1,2-Dichloropropane	20.0	22.6	113	75 - 129	
1,3-Dichlorobenzene	20.0	19.5	98	80 - 120	
1,4-Dichlorobenzene	20.0	18.5	93	79 - 120	
1,4-Dioxane	400	565	141	65 - 150	
2-Butanone (MEK)	100	84.1	84	56 - 150	
2-Hexanone	100	101	101	64 - 150	
4-Methyl-2-pentanone (MIBK)	100	101	101	77 - 130	
Acetone	100	85.9	86	19 - 150	
Benzene	20.0	18.6	93	76 - 125	
Bromodichloromethane	20.0	18.4	92	78 - 127	
Bromoform	20.0	16.6	83	65 - 124	
Bromomethane	20.0	14.6	73	10 - 150	
Carbon disulfide	20.0	19.7	99	69 - 131	
Carbon tetrachloride	20.0	18.8	94	71 - 138	
Chlorobenzene	20.0	18.3	92	80 - 120	
Chlorobromomethane	20.0	16.7	84	71 - 137	
Chloroethane	20.0	15.1	75	40 - 150	
Chloroform	20.0	17.6	88	81 - 127	
Chloromethane	20.0	20.2	101	45 - 150	
cis-1,2-Dichloroethene	20.0	17.5	87	82 - 127	
cis-1,3-Dichloropropene	20.0	18.9	95	72 - 125	
Cyclohexane	20.0	23.8	119	51 - 147	
Dibromochloromethane	20.0	17.7	88	78 - 120	
Dichlorodifluoromethane	20.0	17.8	89	32 - 150	
Ethylbenzene	20.0	18.6	93	80 - 120	
Ethylene Dibromide	20.0	16.3	82	80 - 120	
Isopropylbenzene	20.0	23.3	116	80 - 127	
m&p-Xylene	20.0	20.0	100	80 - 121	
Methyl acetate	100	78.0	78	63 - 150	
Methyl tert-butyl ether	20.0	16.9	85	78 - 129	
Methylcyclohexane	20.0	22.9	114	52 - 142	
Methylene Chloride	20.0	17.8	89	80 - 126	
o-Xylene	20.0	20.2	101	80 - 120	
Styrene	20.0	20.5	103	75 - 124	
Tetrachloroethene	20.0	17.1	86	71 - 132	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-380463**

**Method: 8260C**  
**Preparation: 5030C**

Lab Sample ID: LCS 460-380463/3	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43611.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 0957	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 0957		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	18.3	91	80 - 120	
trans-1,2-Dichloroethene	20.0	18.6	93	78 - 127	
trans-1,3-Dichloropropene	20.0	18.5	92	69 - 125	
Trichloroethene	20.0	17.5	88	77 - 127	
Trichlorofluoromethane	20.0	13.3	66	50 - 150	
Vinyl chloride	20.0	15.9	80	53 - 142	
Xylenes, Total	40.0	40.2	100	80 - 120	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		87		70 - 137	
4-Bromofluorobenzene		99		70 - 131	
Dibromofluoromethane (Surr)		87		72 - 136	
Toluene-d8 (Surr)		92		74 - 120	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-117128-C-3 MS	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43626.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1625		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1625		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-117128-C-3 MSD	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43627.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1651		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1651		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	87	92	76 - 131	6	30		
1,1,2,2-Tetrachloroethane	82	85	65 - 128	4	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	89	92	53 - 149	4	30		
1,1,2-Trichloroethane	89	92	77 - 122	4	30		
1,1-Dichloroethane	98	101	77 - 129	3	30		
1,1-Dichloroethene	86	94	67 - 133	9	30		
1,2,3-Trichlorobenzene	84	98	64 - 142	16	30		
1,2,4-Trichlorobenzene	85	99	66 - 137	15	30		
1,2-Dibromo-3-Chloropropane	82	89	55 - 133	8	30		
1,2-Dichlorobenzene	91	97	80 - 121	6	30		
1,2-Dichloroethane	89	88	73 - 131	1	30		
1,2-Dichloropropane	114	115	75 - 129	0	30		
1,3-Dichlorobenzene	89	95	80 - 120	7	30		
1,4-Dichlorobenzene	88	93	79 - 120	6	30		
1,4-Dioxane	95	149	65 - 150	44	30		F2
2-Butanone (MEK)	85	83	56 - 150	2	30		
2-Hexanone	97	98	64 - 150	1	30		
4-Methyl-2-pentanone (MIBK)	100	100	77 - 130	0	30		
Acetone	79	80	19 - 150	2	30		
Benzene	93	95	76 - 125	2	30		
Bromodichloromethane	91	95	78 - 127	3	30		
Bromoform	83	88	65 - 124	6	30		
Bromomethane	72	75	10 - 150	4	30		
Carbon disulfide	94	100	69 - 131	6	30		
Carbon tetrachloride	93	92	71 - 138	1	30		
Chlorobenzene	92	95	80 - 120	4	30		
Chlorobromomethane	84	87	71 - 137	4	30		
Chloroethane	77	76	40 - 150	1	30		
Chloroform	89	90	81 - 127	1	30		
Chloromethane	103	107	45 - 150	4	30		
cis-1,2-Dichloroethene	83	89	82 - 127	7	30		
cis-1,3-Dichloropropene	93	96	72 - 125	3	30		
Cyclohexane	109	111	51 - 147	2	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-117128-C-3 MS	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43626.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1625		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1625		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-117128-C-3 MSD	Analysis Batch: 460-380463	Instrument ID: CVOAMS8
Client Matrix: Water	Prep Batch: N/A	Lab File ID: J43627.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2016 1651		Final Weight/Volume: 5 mL
Prep Date: 07/22/2016 1651		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibromochloromethane	90	91	78 - 120	2	30		
Dichlorodifluoromethane	81	85	32 - 150	5	30		
Ethylbenzene	91	95	80 - 120	5	30		
Ethylene Dibromide	86	87	80 - 120	1	30		
Isopropylbenzene	110	114	80 - 127	3	30		
m&p-Xylene	99	102	80 - 121	2	30		
Methyl acetate	85	88	63 - 150	4	30		
Methyl tert-butyl ether	89	90	78 - 129	1	30		
Methylcyclohexane	99	103	52 - 142	4	30		
Methylene Chloride	88	91	80 - 126	3	30		
o-Xylene	102	106	80 - 120	4	30		
Styrene	106	106	75 - 124	1	30		
Tetrachloroethene	83	85	71 - 132	3	30		
Toluene	91	94	80 - 120	2	30		
trans-1,2-Dichloroethene	88	97	78 - 127	9	30		
trans-1,3-Dichloropropene	95	95	69 - 125	0	30		
Trichloroethene	89	90	77 - 127	1	30		
Trichlorofluoromethane	65	68	50 - 150	5	30		
Vinyl chloride	80	83	53 - 142	4	30		
Xylenes, Total	101	104	80 - 120	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	90	70 - 137
4-Bromofluorobenzene	101	100	70 - 131
Dibromofluoromethane (Surr)	87	90	72 - 136
Toluene-d8 (Surr)	93	91	74 - 120

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-117128-C-3 MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/22/2016 1625  
 Prep Date: 07/22/2016 1625  
 Leach Date: N/A

MSD Lab Sample ID: 460-117128-C-3 MSD  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/22/2016 1651  
 Prep Date: 07/22/2016 1651  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,1,1-Trichloroethane	0.28	U	200	200	174	185	
1,1,2,2-Tetrachloroethane	0.19	U	200	200	164	170	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	200	200	178	185	
1,1,2-Trichloroethane	0.080	U	200	200	177	184	
1,1-Dichloroethane	0.24	U	200	200	195	202	
1,1-Dichloroethene	0.34	U	200	200	172	187	
1,2,3-Trichlorobenzene	0.35	U	200	200	168	197	
1,2,4-Trichlorobenzene	0.27	U	200	200	170	198	
1,2-Dibromo-3-Chloropropane	0.23	U	200	200	163	178	
1,2-Dichlorobenzene	0.22	U	200	200	182	194	
1,2-Dichloroethane	0.25	U	200	200	179	177	
1,2-Dichloropropane	0.18	U	200	200	229	229	
1,3-Dichlorobenzene	0.33	U	200	200	178	191	
1,4-Dichlorobenzene	0.33	U	200	200	175	186	
1,4-Dioxane	8.7	U	4000	4000	3810	5980	F2
2-Butanone (MEK)	2.2	U	1000	1000	851	832	
2-Hexanone	0.72	U	1000	1000	973	978	
4-Methyl-2-pentanone (MIBK)	0.63	U	1000	1000	1000	998	
Acetone	1.1	U	1000	1000	786	799	
Benzene	0.27	J	200	200	187	191	
Bromodichloromethane	0.15	U	200	200	183	189	
Bromoform	0.18	U	200	200	166	176	
Bromomethane	0.18	U	200	200	145	151	
Carbon disulfide	0.22	U	200	200	189	200	
Carbon tetrachloride	0.33	U	200	200	185	184	
Chlorobenzene	0.24	U	200	200	184	191	
Chlorobromomethane	0.30	U	200	200	167	174	
Chloroethane	0.37	U	200	200	154	153	
Chloroform	0.22	U	200	200	179	181	
Chloromethane	0.22	U	200	200	206	214	
cis-1,2-Dichloroethene	0.26	U	200	200	167	178	
cis-1,3-Dichloropropene	0.16	U	200	200	187	192	
Cyclohexane	0.26	U	200	200	218	223	
Dibromochloromethane	0.22	U	200	200	180	182	
Dichlorodifluoromethane	0.14	U	200	200	162	171	
Ethylbenzene	0.30	U	200	200	181	190	
Ethylene Dibromide	0.19	U	200	200	172	174	
Isopropylbenzene	0.38	J	200	200	221	228	
m&p-Xylene	0.28	U	200	200	199	203	
Methyl acetate	0.58	U	1000	1000	848	885	
Methyl tert-butyl ether	0.13	U	200	200	178	180	
Methylcyclohexane	0.22	U	200	200	198	206	
Methylene Chloride	0.21	U	200	200	176	181	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-380463**

**Method: 8260C  
Preparation: 5030C**

MS Lab Sample ID: 460-117128-C-3 MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/22/2016 1625  
 Prep Date: 07/22/2016 1625  
 Leach Date: N/A

MSD Lab Sample ID: 460-117128-C-3 MSD  
 Client Matrix: Water  
 Dilution: 10  
 Analysis Date: 07/22/2016 1651  
 Prep Date: 07/22/2016 1651  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
o-Xylene	0.32 U		200	200	204	212
Styrene	0.17 U		200	200	211	213
Tetrachloroethene	0.12 U		200	200	167	171
Toluene	0.25 U		200	200	183	188
trans-1,2-Dichloroethene	0.18 U		200	200	177	193
trans-1,3-Dichloropropene	0.19 U		200	200	190	190
Trichloroethene	0.22 U		200	200	178	179
Trichlorofluoromethane	0.15 U		200	200	130	137
Vinyl chloride	0.060 U		200	200	160	167
Xylenes, Total	0.28 U		400	400	403	415

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378878**

**Method: 8270D  
Preparation: 3510C**

Lab Sample ID: MB 460-378878/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1011  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analysis Batch: 460-378964  
 Prep Batch: 460-378878  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CBNAMS6  
 Lab File ID: M230037.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 2 mL  
 Injection Volume: 5 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	0.63	U	0.63	10
1,2,4,5-Tetrachlorobenzene	0.43	U	0.43	10
2,3,4,6-Tetrachlorophenol	0.69	U	0.69	10
2,4,5-Trichlorophenol	0.49	U	0.49	10
2,4,6-Trichlorophenol	0.53	U	0.53	10
2,4-Dichlorophenol	0.63	U	0.63	10
2,4-Dimethylphenol	0.91	U	0.91	10
2,4-Dinitrophenol	2.4	U	2.4	20
2,4-Dinitrotoluene	1.0	U	1.0	2.0
2,6-Dinitrotoluene	0.88	U	0.88	2.0
2-Chloronaphthalene	0.61	U	0.61	10
2-Chlorophenol	0.74	U	0.74	10
2-Methylnaphthalene	0.88	U	0.88	10
2-Methylphenol	1.3	U	1.3	10
2-Nitroaniline	0.65	U	0.65	10
2-Nitrophenol	0.59	U	0.59	10
3,3'-Dichlorobenzidine	1.0	U	1.0	10
3-Nitroaniline	0.82	U	0.82	10
4,6-Dinitro-2-methylphenol	2.0	U	2.0	20
4-Bromophenyl phenyl ether	1.0	U	1.0	10
4-Chloro-3-methylphenol	0.76	U	0.76	10
4-Chloroaniline	0.73	U	0.73	10
4-Chlorophenyl phenyl ether	0.96	U	0.96	10
4-Methylphenol	0.87	U	0.87	10
4-Nitroaniline	0.48	U	0.48	10
4-Nitrophenol	4.7	U	4.7	20
Acenaphthene	0.88	U	0.88	10
Acenaphthylene	0.65	U	0.65	10
Acetophenone	1.0	U	1.0	10
Anthracene	0.57	U	0.57	10
Atrazine	0.77	U	0.77	2.0
Benzaldehyde	0.86	U	0.86	10
Benzo[a]anthracene	0.55	U	0.55	1.0
Benzo[a]pyrene	0.16	U	0.16	1.0
Benzo[b]fluoranthene	0.44	U	0.44	1.0
Benzo[g,h,i]perylene	0.75	U	0.75	10
Benzo[k]fluoranthene	0.18	U	0.18	1.0
bis (2-chloroisopropyl) ether	0.93	U	0.93	10
Bis(2-chloroethoxy)methane	0.69	U	0.69	10
Bis(2-chloroethyl)ether	0.12	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	0.72	U	0.72	2.0
Butyl benzyl phthalate	0.60	U	0.60	10
Caprolactam	1.1	U	1.1	10
Carbazole	0.85	U	0.85	10
Chrysene	0.67	U	0.67	2.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-378878

## Method: 8270D Preparation: 3510C

Lab Sample ID: MB 460-378878/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1011  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analysis Batch: 460-378964  
 Prep Batch: 460-378878  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CBNAMS6  
 Lab File ID: M230037.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 2 mL  
 Injection Volume: 5 uL

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
Dibenzofuran	0.85	U	0.85	10
Diethyl phthalate	1.0	U	1.0	10
Dimethyl phthalate	0.98	U	0.98	10
Di-n-butyl phthalate	0.82	U	0.82	10
Di-n-octyl phthalate	0.69	U	0.69	10
Fluoranthene	0.72	U	0.72	10
Fluorene	0.80	U	0.80	10
Hexachlorobenzene	0.47	U	0.47	1.0
Hexachlorobutadiene	0.76	U	0.76	1.0
Hexachlorocyclopentadiene	0.61	U	0.61	10
Hexachloroethane	0.090	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	1.0
Isophorone	0.67	U	0.67	10
Naphthalene	0.80	U	0.80	10
Nitrobenzene	0.49	U	0.49	1.0
N-Nitrosodi-n-propylamine	0.83	U	0.83	1.0
N-Nitrosodiphenylamine	0.74	U	0.74	10
Pentachlorophenol	2.2	U	2.2	20
Phenanthrene	0.65	U	0.65	10
Phenol	0.41	U	0.41	10
Pyrene	0.83	U	0.83	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	93	43 - 126
2-Fluorobiphenyl	75	63 - 113
2-Fluorophenol (Surr)	43	13 - 77
Nitrobenzene-d5 (Surr)	82	62 - 120
Phenol-d5 (Surr)	30	10 - 53
Terphenyl-d14 (Surr)	97	57 - 125

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378878**

**Method: 8270D**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/4-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0717  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analysis Batch: 460-378964  
 Prep Batch: 460-378878  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CBNAMS6  
 Lab File ID: M230029.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 2 mL  
 Injection Volume: 5 uL

LCSD Lab Sample ID: LCSD 460-378878/5-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0739  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analysis Batch: 460-378964  
 Prep Batch: 460-378878  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CBNAMS6  
 Lab File ID: M230030.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 2 mL  
 Injection Volume: 5 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Atrazine	70	74	58 - 134	6	30		
Benzaldehyde	63	68	56 - 114	7	30		
Caprolactam	19	19	10 - 45	2	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
2,4,6-Tribromophenol (Surr)	59		54		43 - 126		
2-Fluorobiphenyl	47	X	46	X	63 - 113		
2-Fluorophenol (Surr)	28		31		13 - 77		
Nitrobenzene-d5 (Surr)	56	X	56	X	62 - 120		
Phenol-d5 (Surr)	19		19		10 - 53		
Terphenyl-d14 (Surr)	70		65		57 - 125		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378878**

**Method: 8270D**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/2-A	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-378878	Lab File ID: M230038.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/14/2016 1033	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-378878/3-A	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-378878	Lab File ID: M230039.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/14/2016 1055	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1'-Biphenyl	75	80	62 - 108	7	30		
1,2,4,5-Tetrachlorobenzene	75	74	57 - 113	2	30		
2,3,4,6-Tetrachlorophenol	96	88	61 - 118	9	30		
2,4,5-Trichlorophenol	100	94	66 - 111	6	30		
2,4,6-Trichlorophenol	88	95	67 - 115	8	30		
2,4-Dichlorophenol	81	83	70 - 103	2	30		
2,4-Dimethylphenol	77	81	65 - 104	5	30		
2,4-Dinitrophenol	85	86	41 - 114	1	30		
2,4-Dinitrotoluene	88	93	60 - 119	5	30		
2,6-Dinitrotoluene	90	95	69 - 112	5	30		
2-Chloronaphthalene	73	77	62 - 105	5	30		
2-Chlorophenol	79	74	55 - 96	7	30		
2-Methylnaphthalene	69	71	62 - 104	2	30		
2-Methylphenol	70	71	41 - 88	2	30		
2-Nitroaniline	91	93	59 - 111	2	30		
2-Nitrophenol	82	90	72 - 105	9	30		
3,3'-Dichlorobenzidine	85	87	71 - 132	2	30		
3-Nitroaniline	83	85	54 - 108	2	30		
4,6-Dinitro-2-methylphenol	94	94	72 - 125	0	30		
4-Bromophenyl phenyl ether	89	85	66 - 134	6	30		
4-Chloro-3-methylphenol	79	77	58 - 109	4	30		
4-Chloroaniline	87	82	61 - 106	5	30		
4-Chlorophenyl phenyl ether	88	91	63 - 112	4	30		
4-Methylphenol	64	63	35 - 81	1	30		
4-Nitroaniline	77	92	42 - 128	17	30		
4-Nitrophenol	32	32	10 - 53	1	30		
Acenaphthene	73	78	55 - 110	7	30		
Acenaphthylene	81	84	67 - 110	4	30		
Acetophenone	97	91	61 - 118	6	30		
Anthracene	90	91	76 - 113	1	30		
Benzo[a]anthracene	94	94	75 - 116	0	30		
Benzo[a]pyrene	113	112	75 - 122	0	30		
Benzo[b]fluoranthene	109	116	74 - 125	6	30		
Benzo[g,h,i]perylene	125	123	66 - 144	1	30		
Benzo[k]fluoranthene	91	94	70 - 120	4	30		
bis (2-chloroisopropyl) ether	84	79	48 - 107	7	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378878**

**Method: 8270D**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/2-A	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-378878	Lab File ID: M230038.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/14/2016 1033	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-378878/3-A	Analysis Batch: 460-378964	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-378878	Lab File ID: M230039.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/14/2016 1055	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/13/2016 1444		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Bis(2-chloroethoxy)methane	87	87	68 - 109	0	30		
Bis(2-chloroethyl)ether	86	84	60 - 104	3	30		
Bis(2-ethylhexyl) phthalate	94	94	68 - 131	0	30		
Butyl benzyl phthalate	95	92	68 - 122	3	30		
Carbazole	93	91	69 - 118	2	30		
Chrysene	91	92	73 - 115	1	30		
Dibenz(a,h)anthracene	121	116	72 - 142	4	30		
Dibenzofuran	81	83	63 - 106	2	30		
Diethyl phthalate	89	89	62 - 115	0	30		
Dimethyl phthalate	92	93	68 - 111	2	30		
Di-n-butyl phthalate	95	93	66 - 127	2	30		
Di-n-octyl phthalate	106	109	58 - 126	3	30		
Fluoranthene	92	95	65 - 125	3	30		
Fluorene	87	93	66 - 112	6	30		
Hexachlorobenzene	102	99	66 - 136	3	30		
Hexachlorobutadiene	62	61	47 - 100	3	30		
Hexachlorocyclopentadiene	58	57	42 - 115	1	30		
Hexachloroethane	64	59	44 - 91	8	30		
Indeno[1,2,3-cd]pyrene	108	108	72 - 139	1	30		
Isophorone	83	83	61 - 107	1	30		
Naphthalene	70	70	61 - 100	0	30		
Nitrobenzene	92	93	66 - 105	0	30		
N-Nitrosodi-n-propylamine	101	95	57 - 120	7	30		
N-Nitrosodiphenylamine	91	94	65 - 121	3	30		
Pentachlorophenol	95	97	58 - 125	3	30		
Phenanthrene	91	91	76 - 116	1	30		
Phenol	36	34	14 - 50	5	30		
Pyrene	88	95	57 - 120	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	87	81	43 - 126
2-Fluorobiphenyl	79	87	63 - 113
2-Fluorophenol (Surr)	41	42	13 - 77
Nitrobenzene-d5 (Surr)	86	84	62 - 120
Phenol-d5 (Surr)	26	27	10 - 53
Terphenyl-d14 (Surr)	82	77	57 - 125

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378878**

**Method: 8270D  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/4-A      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0717  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378878/5-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0739  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Atrazine	160	160	112	118
Benzaldehyde	160	160	101	109
Caprolactam	160	160	30.3	29.7

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378878**

**Method: 8270D  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/2-A      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1033  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378878/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1055  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1'-Biphenyl	80.0	80.0	59.8	63.9
1,2,4,5-Tetrachlorobenzene	80.0	80.0	60.2	59.3
2,3,4,6-Tetrachlorophenol	80.0	80.0	76.9	70.1
2,4,5-Trichlorophenol	80.0	80.0	79.6	74.9
2,4,6-Trichlorophenol	80.0	80.0	70.4	76.2
2,4-Dichlorophenol	80.0	80.0	64.8	66.2
2,4-Dimethylphenol	80.0	80.0	61.5	64.9
2,4-Dinitrophenol	160	160	137	138
2,4-Dinitrotoluene	80.0	80.0	70.6	74.2
2,6-Dinitrotoluene	80.0	80.0	71.8	75.6
2-Chloronaphthalene	80.0	80.0	58.5	61.2
2-Chlorophenol	80.0	80.0	63.3	58.9
2-Methylnaphthalene	80.0	80.0	55.4	56.4
2-Methylphenol	80.0	80.0	55.7	56.7
2-Nitroaniline	80.0	80.0	73.1	74.3
2-Nitrophenol	80.0	80.0	65.8	72.3
3,3'-Dichlorobenzidine	80.0	80.0	68.1	69.7
3-Nitroaniline	80.0	80.0	66.5	68.1
4,6-Dinitro-2-methylphenol	160	160	151	151
4-Bromophenyl phenyl ether	80.0	80.0	71.6	67.6
4-Chloro-3-methylphenol	80.0	80.0	63.5	61.3

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378878**

**Method: 8270D  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/2-A      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1033  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378878/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1055  
 Prep Date: 07/13/2016 1444  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4-Chloroaniline	80.0	80.0	69.6	65.9
4-Chlorophenyl phenyl ether	80.0	80.0	70.5	73.1
4-Methylphenol	80.0	80.0	51.3	50.6
4-Nitroaniline	80.0	80.0	61.6	73.3
4-Nitrophenol	160	160	51.5	51.0
Acenaphthene	80.0	80.0	58.3	62.6
Acenaphthylene	80.0	80.0	64.8	67.4
Acetophenone	80.0	80.0	77.5	72.9
Anthracene	80.0	80.0	72.2	72.9
Benzo[a]anthracene	80.0	80.0	74.9	75.0
Benzo[a]pyrene	80.0	80.0	90.1	90.0
Benzo[b]fluoranthene	80.0	80.0	87.4	92.7
Benzo[g,h,i]perylene	80.0	80.0	99.6	98.5
Benzo[k]fluoranthene	80.0	80.0	72.7	75.5
bis (2-chloroisopropyl) ether	80.0	80.0	67.3	63.0
Bis(2-chloroethoxy)methane	80.0	80.0	69.7	69.7
Bis(2-chloroethyl)ether	80.0	80.0	69.0	67.2
Bis(2-ethylhexyl) phthalate	80.0	80.0	75.1	75.4
Butyl benzyl phthalate	80.0	80.0	75.9	73.4
Carbazole	80.0	80.0	74.6	72.7
Chrysene	80.0	80.0	72.5	73.2
Dibenz(a,h)anthracene	80.0	80.0	96.7	93.0
Dibenzofuran	80.0	80.0	65.1	66.5
Diethyl phthalate	80.0	80.0	71.2	71.3
Dimethyl phthalate	80.0	80.0	73.3	74.5
Di-n-butyl phthalate	80.0	80.0	76.2	74.6
Di-n-octyl phthalate	80.0	80.0	84.8	87.5
Fluoranthene	80.0	80.0	73.7	75.6
Fluorene	80.0	80.0	69.6	74.2
Hexachlorobenzene	80.0	80.0	81.2	79.2
Hexachlorobutadiene	80.0	80.0	49.9	48.5
Hexachlorocyclopentadiene	80.0	80.0	46.2	45.9
Hexachloroethane	80.0	80.0	51.0	47.2
Indeno[1,2,3-cd]pyrene	80.0	80.0	86.5	86.0
Isophorone	80.0	80.0	66.7	66.1
Naphthalene	80.0	80.0	55.8	55.7
Nitrobenzene	80.0	80.0	74.0	74.3
N-Nitrosodi-n-propylamine	80.0	80.0	81.2	76.0
N-Nitrosodiphenylamine	80.0	80.0	72.8	75.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378878**

**Method: 8270D  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378878/2-A      Units: ug/L  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/14/2016 1033  
Prep Date: 07/13/2016 1444  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378878/3-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/14/2016 1055  
Prep Date: 07/13/2016 1444  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Pentachlorophenol	160	160	151	156
Phenanthrene	80.0	80.0	72.6	73.0
Phenol	80.0	80.0	28.7	27.3
Pyrene	80.0	80.0	70.7	75.8

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID: MB 460-379071/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0058  
 Prep Date: 07/14/2016 1244  
 Leach Date: N/A

Analysis Batch: 460-379174  
 Prep Batch: 460-379071  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CBNAMS5  
 Lab File ID: x15935.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	0.028	U	0.028	0.33
1,2,4,5-Tetrachlorobenzene	0.025	U	0.025	0.33
2,3,4,6-Tetrachlorophenol	0.031	U	0.031	0.33
2,4,5-Trichlorophenol	0.033	U	0.033	0.33
2,4,6-Trichlorophenol	0.0094	U	0.0094	0.13
2,4-Dichlorophenol	0.0078	U	0.0078	0.13
2,4-Dimethylphenol	0.073	U	0.073	0.33
2,4-Dinitrophenol	0.25	U	0.25	0.27
2,4-Dinitrotoluene	0.013	U	0.013	0.067
2,6-Dinitrotoluene	0.018	U	0.018	0.067
2-Chloronaphthalene	0.0075	U	0.0075	0.33
2-Chlorophenol	0.0084	U	0.0084	0.33
2-Methylnaphthalene	0.0073	U	0.0073	0.33
2-Methylphenol	0.014	U	0.014	0.33
2-Nitroaniline	0.011	U	0.011	0.33
2-Nitrophenol	0.011	U	0.011	0.33
3,3'-Dichlorobenzidine	0.037	U	0.037	0.13
3-Nitroaniline	0.0098	U	0.0098	0.33
4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.27
4-Bromophenyl phenyl ether	0.010	U	0.010	0.33
4-Chloro-3-methylphenol	0.014	U	0.014	0.33
4-Chloroaniline	0.0085	U	0.0085	0.33
4-Chlorophenyl phenyl ether	0.0099	U	0.0099	0.33
4-Methylphenol	0.0090	U	0.0090	0.33
4-Nitroaniline	0.013	U	0.013	0.33
4-Nitrophenol	0.16	U	0.16	0.67
Acenaphthene	0.0080	U	0.0080	0.33
Acenaphthylene	0.0085	U	0.0085	0.33
Acetophenone	0.0072	U	0.0072	0.33
Anthracene	0.031	U	0.031	0.33
Atrazine	0.015	U	0.015	0.13
Benzaldehyde	0.025	U	0.025	0.33
Benzo[a]anthracene	0.028	U	0.028	0.033
Benzo[a]pyrene	0.010	U	0.010	0.033
Benzo[b]fluoranthene	0.013	U	0.013	0.033
Benzo[g,h,i]perylene	0.019	U	0.019	0.33
Benzo[k]fluoranthene	0.014	U	0.014	0.033
bis (2-chloroisopropyl) ether	0.014	U	0.014	0.33
Bis(2-chloroethoxy)methane	0.010	U	0.010	0.33
Bis(2-chloroethyl)ether	0.0078	U	0.0078	0.033
Bis(2-ethylhexyl) phthalate	0.013	U	0.013	0.33
Butyl benzyl phthalate	0.010	U	0.010	0.33
Caprolactam	0.024	U	0.024	0.33
Carbazole	0.0082	U	0.0082	0.33
Chrysene	0.0090	U	0.0090	0.33

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID: MB 460-379071/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0058  
 Prep Date: 07/14/2016 1244  
 Leach Date: N/A

Analysis Batch: 460-379174  
 Prep Batch: 460-379071  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CBNAMS5  
 Lab File ID: x15935.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	0.017	U	0.017	0.033
Dibenzofuran	0.010	U	0.010	0.33
Diethyl phthalate	0.0094	U	0.0094	0.33
Dimethyl phthalate	0.0096	U	0.0096	0.33
Di-n-butyl phthalate	0.0099	U	0.0099	0.33
Di-n-octyl phthalate	0.017	U	0.017	0.33
Fluoranthene	0.0098	U	0.0098	0.33
Fluorene	0.0072	U	0.0072	0.33
Hexachlorobenzene	0.013	U	0.013	0.033
Hexachlorobutadiene	0.0093	U	0.0093	0.067
Hexachlorocyclopentadiene	0.021	U	0.021	0.33
Hexachloroethane	0.012	U	0.012	0.033
Indeno[1,2,3-cd]pyrene	0.022	U	0.022	0.033
Isophorone	0.0071	U	0.0071	0.13
Naphthalene	0.0084	U	0.0084	0.33
Nitrobenzene	0.010	U	0.010	0.033
N-Nitrosodi-n-propylamine	0.011	U	0.011	0.033
N-Nitrosodiphenylamine	0.030	U	0.030	0.33
Pentachlorophenol	0.040	U	0.040	0.27
Phenanthrene	0.0088	U	0.0088	0.33
Phenol	0.011	U	0.011	0.33
Pyrene	0.015	U	0.015	0.33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	88	10 - 95
2-Fluorobiphenyl	71	27 - 84
2-Fluorophenol (Surr)	72	21 - 84
Nitrobenzene-d5 (Surr)	76	28 - 92
Phenol-d5 (Surr)	75	22 - 88
Terphenyl-d14 (Surr)	79	16 - 114

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Lab Control Sample - Batch: 460-379071

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-379071/2-A	Analysis Batch:	460-379174	Instrument ID:	CBNAM5
Client Matrix:	Solid	Prep Batch:	460-379071	Lab File ID:	x15936.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/15/2016 0129	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/14/2016 1244			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3.33	3.17	95	64 - 103	
1,2,4,5-Tetrachlorobenzene	3.33	3.22	97	62 - 109	
2,3,4,6-Tetrachlorophenol	3.33	3.33	100	57 - 113	
2,4,5-Trichlorophenol	3.33	3.23	97	59 - 105	
2,4,6-Trichlorophenol	3.33	3.33	100	61 - 107	
2,4-Dichlorophenol	3.33	3.09	93	59 - 99	
2,4-Dimethylphenol	3.33	3.16	95	60 - 98	
2,4-Dinitrophenol	6.67	6.92	104	26 - 137	
2,4-Dinitrotoluene	3.33	3.29	99	61 - 118	
2,6-Dinitrotoluene	3.33	3.45	104	63 - 112	
2-Chloronaphthalene	3.33	3.11	93	63 - 102	
2-Chlorophenol	3.33	3.00	90	58 - 95	
2-Methylnaphthalene	3.33	3.27	98	64 - 102	
2-Methylphenol	3.33	2.98	89	56 - 99	
2-Nitroaniline	3.33	3.23	97	46 - 113	
2-Nitrophenol	3.33	3.23	97	63 - 103	
3,3'-Dichlorobenzidine	3.33	2.75	83	18 - 92	
3-Nitroaniline	3.33	2.39	72	23 - 89	
4,6-Dinitro-2-methylphenol	6.67	7.49	112	51 - 124	
4-Bromophenyl phenyl ether	3.33	3.42	103	65 - 114	
4-Chloro-3-methylphenol	3.33	3.32	100	58 - 108	
4-Chloroaniline	3.33	2.75	82	10 - 82	
4-Chlorophenyl phenyl ether	3.33	3.31	99	63 - 107	
4-Methylphenol	3.33	3.12	94	53 - 103	
4-Nitroaniline	3.33	2.81	84	44 - 109	
4-Nitrophenol	6.67	6.64	100	45 - 125	
Acenaphthene	3.33	3.27	98	59 - 102	
Acenaphthylene	3.33	3.23	97	63 - 102	
Acetophenone	3.33	3.19	96	56 - 107	
Anthracene	3.33	3.28	98	66 - 105	
Benzo[a]anthracene	3.33	3.40	102	65 - 106	
Benzo[a]pyrene	3.33	3.43	103	68 - 111	
Benzo[b]fluoranthene	3.33	3.50	105	67 - 116	
Benzo[g,h,i]perylene	3.33	3.45	103	49 - 124	
Benzo[k]fluoranthene	3.33	3.32	100	65 - 114	
bis (2-chloroisopropyl) ether	3.33	2.72	81	42 - 119	
Bis(2-chloroethoxy)methane	3.33	3.23	97	61 - 102	
Bis(2-chloroethyl)ether	3.33	3.22	97	58 - 102	
Bis(2-ethylhexyl) phthalate	3.33	3.33	100	60 - 125	
Butyl benzyl phthalate	3.33	3.47	104	62 - 123	
Carbazole	3.33	3.16	95	62 - 107	
Chrysene	3.33	3.30	99	64 - 105	
Dibenz(a,h)anthracene	3.33	3.43	103	54 - 126	
Dibenzofuran	3.33	3.18	95	62 - 102	
Diethyl phthalate	3.33	3.36	101	61 - 110	
Dimethyl phthalate	3.33	3.35	100	64 - 108	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379071**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379071/2-A	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15936.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0129	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	3.33	3.26	98	62 - 114	
Di-n-octyl phthalate	3.33	3.44	103	52 - 137	
Fluoranthene	3.33	3.08	92	59 - 109	
Fluorene	3.33	3.30	99	65 - 108	
Hexachlorobenzene	3.33	3.50	105	65 - 117	
Hexachlorobutadiene	3.33	3.18	95	60 - 105	
Hexachlorocyclopentadiene	3.33	3.38	101	37 - 119	
Hexachloroethane	3.33	2.90	87	60 - 94	
Indeno[1,2,3-cd]pyrene	3.33	3.26	98	50 - 134	
Isophorone	3.33	3.41	102	60 - 102	
Naphthalene	3.33	3.11	93	64 - 99	
Nitrobenzene	3.33	3.03	91	59 - 102	
N-Nitrosodi-n-propylamine	3.33	3.18	95	56 - 112	
N-Nitrosodiphenylamine	3.33	3.38	101	71 - 119	
Pentachlorophenol	6.67	6.89	103	47 - 115	
Phenanthrene	3.33	3.28	98	66 - 105	
Phenol	3.33	2.97	89	55 - 99	
Pyrene	3.33	3.47	104	55 - 126	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	110 X	10 - 95
2-Fluorobiphenyl	93 X	27 - 84
2-Fluorophenol (Surr)	88 X	21 - 84
Nitrobenzene-d5 (Surr)	94 X	28 - 92
Phenol-d5 (Surr)	88	22 - 88
Terphenyl-d14 (Surr)	100	16 - 114

**Lab Control Sample - Batch: 460-379071**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379071/3-A	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15937.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0153	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6.67	7.18	108	41 - 116	
Benzaldehyde	6.67	5.68	85	55 - 116	
Caprolactam	6.67	6.79	102	44 - 129	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	102 X	10 - 95

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	86	X	27 - 84
2-Fluorophenol (Surr)	87	X	21 - 84
Nitrobenzene-d5 (Surr)	90		28 - 92
Phenol-d5 (Surr)	88		22 - 88
Terphenyl-d14 (Surr)	98		16 - 114

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116902-D-4-C MS	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15940.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0339 g
Analysis Date: 07/15/2016 0306		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116902-D-4-D MSD	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15941.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0265 g
Analysis Date: 07/15/2016 0330		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	77	85	64 - 103	10	30		
1,2,4,5-Tetrachlorobenzene	77	86	62 - 109	11	30		
2,3,4,6-Tetrachlorophenol	9	20	57 - 113	77	30	J F1	F1 F2
2,4,5-Trichlorophenol	19	34	59 - 105	59	30	F1	F1 F2
2,4,6-Trichlorophenol	28	44	61 - 107	46	30	F1	F1 F2
2,4-Dichlorophenol	41	57	59 - 99	34	30	F1	F1 F2
2,4-Dimethylphenol	73	82	60 - 98	11	30		
2,4-Dinitrophenol	0	0	26 - 137	NC	30	U F1	U F1
2,4-Dinitrotoluene	82	90	61 - 118	10	30		
2,6-Dinitrotoluene	83	92	63 - 112	11	30		
2-Chloronaphthalene	74	84	63 - 102	12	30		
2-Chlorophenol	53	68	58 - 95	25	30	F1	
2-Methylnaphthalene	80	90	64 - 102	12	30		
2-Methylphenol	69	79	56 - 99	13	30		
2-Nitroaniline	75	84	46 - 113	12	30		
2-Nitrophenol	23	41	63 - 103	55	30	F1	F1 F2
3,3'-Dichlorobenzidine	63	72	18 - 92	13	30		
3-Nitroaniline	60	64	23 - 89	6	30		
4,6-Dinitro-2-methylphenol	2	5	51 - 124	85	30	J F1	F1 F2
4-Bromophenyl phenyl ether	83	92	65 - 114	10	30		
4-Chloro-3-methylphenol	66	78	58 - 108	17	30		
4-Chloroaniline	48	52	10 - 82	8	30		
4-Chlorophenyl phenyl ether	80	88	63 - 107	10	30		
4-Methylphenol	71	81	53 - 103	13	30		
4-Nitroaniline	69	70	44 - 109	0	30		
4-Nitrophenol	24	38	45 - 125	47	30	F1	F1 F2
Acenaphthene	77	86	59 - 102	12	30		
Acenaphthylene	76	86	63 - 102	11	30		
Acetophenone	79	88	56 - 107	11	30		
Anthracene	78	86	66 - 105	9	30		
Atrazine	95	104	41 - 116	9	30		
Benzaldehyde	49	64	55 - 116	27	30	F1	
Benzo[a]anthracene	77	87	65 - 106	11	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116902-D-4-C MS	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15940.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0339 g
Analysis Date: 07/15/2016 0306		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116902-D-4-D MSD	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15941.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0265 g
Analysis Date: 07/15/2016 0330		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	80	88	68 - 111	9	30		
Benzo[b]fluoranthene	83	91	67 - 116	9	30		
Benzo[g,h,i]perylene	86	96	49 - 124	11	30		
Benzo[k]fluoranthene	75	84	65 - 114	11	30		
bis (2-chloroisopropyl) ether	69	76	42 - 119	10	30		
Bis(2-chloroethoxy)methane	80	87	61 - 102	9	30		
Bis(2-chloroethyl)ether	79	85	58 - 102	8	30		
Bis(2-ethylhexyl) phthalate	82	92	60 - 125	12	30		
Butyl benzyl phthalate	86	96	62 - 123	10	30		
Caprolactam	45	55	44 - 129	18	30		
Carbazole	76	82	62 - 107	8	30		
Chrysene	78	87	64 - 105	11	30		
Dibenz(a,h)anthracene	84	94	54 - 126	11	30		
Dibenzofuran	77	86	62 - 102	11	30		
Diethyl phthalate	83	92	61 - 110	11	30		
Dimethyl phthalate	84	92	64 - 108	10	30		
Di-n-butyl phthalate	84	93	62 - 114	10	30		
Di-n-octyl phthalate	81	90	52 - 137	11	30		
Fluoranthene	73	78	59 - 109	7	30		
Fluorene	78	87	65 - 108	11	30		
Hexachlorobenzene	85	92	65 - 117	9	30		
Hexachlorobutadiene	79	88	60 - 105	11	30		
Hexachlorocyclopentadiene	33	40	37 - 119	19	30	F1	
Hexachloroethane	69	79	60 - 94	14	30		
Indeno[1,2,3-cd]pyrene	82	97	50 - 134	16	30		
Isophorone	82	92	60 - 102	12	30		
Naphthalene	76	85	64 - 99	11	30		
Nitrobenzene	74	81	59 - 102	10	30		
N-Nitrosodi-n-propylamine	78	88	56 - 112	11	30		
N-Nitrosodiphenylamine	81	90	71 - 119	10	30		
Pentachlorophenol	3	7	47 - 115	85	30	J F1	F1 F2
Phenanthrene	79	85	66 - 105	7	30		
Phenol	64	73	55 - 99	13	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116902-D-4-C MS	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15940.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0339 g
Analysis Date: 07/15/2016 0306		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116902-D-4-D MSD	Analysis Batch: 460-379174	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379071	Lab File ID: x15941.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0265 g
Analysis Date: 07/15/2016 0330		Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1244		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Pyrene	80	86	55 - 126	8	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2,4,6-Tribromophenol (Surr)		25	36			10 - 95	
2-Fluorobiphenyl		74	83			27 - 84	
2-Fluorophenol (Surr)		50	63			21 - 84	
Nitrobenzene-d5 (Surr)		75	83			28 - 92	
Phenol-d5 (Surr)		64	75			22 - 88	
Terphenyl-d14 (Surr)		78	85			16 - 114	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116902-D-4-C MS      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0306  
Prep Date: 07/14/2016 1244  
Leach Date: N/A

MSD Lab Sample ID: 460-116902-D-4-D MSD  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0330  
Prep Date: 07/14/2016 1244  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1'-Biphenyl	0.034 U	4.01	4.01	3.07	3.41
1,2,4,5-Tetrachlorobenzene	0.030 U	4.01	4.01	3.08	3.43
2,3,4,6-Tetrachlorophenol	0.037 U	4.01	4.01	0.357 J F1	0.807 F1 F2
2,4,5-Trichlorophenol	0.040 U	4.01	4.01	0.753 F1	1.38 F1 F2
2,4,6-Trichlorophenol	0.011 U	4.01	4.01	1.11 F1	1.78 F1 F2
2,4-Dichlorophenol	0.0094 U	4.01	4.01	1.63 F1	2.30 F1 F2
2,4-Dimethylphenol	0.088 U	4.01	4.01	2.93	3.28
2,4-Dinitrophenol	0.30 U	8.02	8.03	0.30 U F1	0.30 U F1
2,4-Dinitrotoluene	0.016 U	4.01	4.01	3.28	3.61
2,6-Dinitrotoluene	0.021 U	4.01	4.01	3.33	3.71
2-Chloronaphthalene	0.0090 U	4.01	4.01	2.98	3.36
2-Chlorophenol	0.010 U	4.01	4.01	2.11 F1	2.72
2-Methylnaphthalene	0.013 J	4.01	4.01	3.21	3.62
2-Methylphenol	0.017 U	4.01	4.01	2.77	3.16
2-Nitroaniline	0.013 U	4.01	4.01	3.01	3.38
2-Nitrophenol	0.013 U	4.01	4.01	0.923 F1	1.63 F1 F2
3,3'-Dichlorobenzidine	0.044 U	4.01	4.01	2.53	2.88
3-Nitroaniline	0.012 U	4.01	4.01	2.42	2.56
4,6-Dinitro-2-methylphenol	0.11 U	8.02	8.03	0.146 J F1	0.365 F1 F2
4-Bromophenyl phenyl ether	0.013 U	4.01	4.01	3.34	3.68
4-Chloro-3-methylphenol	0.017 U	4.01	4.01	2.65	3.15
4-Chloroaniline	0.010 U	4.01	4.01	1.93	2.09
4-Chlorophenyl phenyl ether	0.012 U	4.01	4.01	3.19	3.54
4-Methylphenol	0.011 U	4.01	4.01	2.85	3.24
4-Nitroaniline	0.015 U	4.01	4.01	2.78	2.79
4-Nitrophenol	0.19 U	8.02	8.03	1.89 F1	3.04 F1 F2
Acenaphthene	0.0096 U	4.01	4.01	3.07	3.46
Acenaphthylene	0.010 U	4.01	4.01	3.07	3.44
Acetophenone	0.0087 U	4.01	4.01	3.16	3.54
Anthracene	0.038 U	4.01	4.01	3.15	3.46
Atrazine	0.018 U	8.02	8.03	7.60	8.33
Benzaldehyde	0.030 U	8.02	8.03	3.89 F1	5.12
Benzo[a]anthracene	0.040	4.01	4.01	3.14	3.51
Benzo[a]pyrene	0.033 J	4.01	4.01	3.24	3.56
Benzo[b]fluoranthene	0.046	4.01	4.01	3.36	3.69
Benzo[g,h,i]perylene	0.025 J	4.01	4.01	3.48	3.89
Benzo[k]fluoranthene	0.021 J	4.01	4.01	3.02	3.37
bis (2-chloroisopropyl) ether	0.016 U	4.01	4.01	2.77	3.06
Bis(2-chloroethoxy)methane	0.012 U	4.01	4.01	3.19	3.50
Bis(2-chloroethyl)ether	0.0094 U	4.01	4.01	3.15	3.40
Bis(2-ethylhexyl) phthalate	0.020 J	4.01	4.01	3.31	3.73
Butyl benzyl phthalate	0.012 U	4.01	4.01	3.47	3.84
Caprolactam	0.029 U	8.02	8.03	3.65	4.38

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379071**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116902-D-4-C MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0306  
 Prep Date: 07/14/2016 1244  
 Leach Date: N/A

MSD Lab Sample ID: 460-116902-D-4-D MSD  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0330  
 Prep Date: 07/14/2016 1244  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Carbazole	0.0099 U	4.01	4.01	3.04	3.28
Chrysene	0.044 J	4.01	4.01	3.17	3.55
Dibenz(a,h)anthracene	0.021 U	4.01	4.01	3.36	3.76
Dibenzofuran	0.012 U	4.01	4.01	3.08	3.45
Diethyl phthalate	0.011 U	4.01	4.01	3.32	3.71
Dimethyl phthalate	0.012 U	4.01	4.01	3.36	3.70
Di-n-butyl phthalate	0.012 U	4.01	4.01	3.36	3.71
Di-n-octyl phthalate	0.020 U	4.01	4.01	3.24	3.62
Fluoranthene	0.057 J	4.01	4.01	2.98	3.20
Fluorene	0.0087 U	4.01	4.01	3.13	3.49
Hexachlorobenzene	0.016 U	4.01	4.01	3.39	3.70
Hexachlorobutadiene	0.011 U	4.01	4.01	3.15	3.52
Hexachlorocyclopentadiene	0.025 U	4.01	4.01	1.33 F1	1.62
Hexachloroethane	0.015 U	4.01	4.01	2.75	3.18
Indeno[1,2,3-cd]pyrene	0.028 J	4.01	4.01	3.33	3.93
Isophorone	0.0086 U	4.01	4.01	3.27	3.67
Naphthalene	0.010 U	4.01	4.01	3.06	3.41
Nitrobenzene	0.013 U	4.01	4.01	2.96	3.26
N-Nitrosodi-n-propylamine	0.013 U	4.01	4.01	3.14	3.51
N-Nitrosodiphenylamine	0.036 U	4.01	4.01	3.25	3.61
Pentachlorophenol	0.048 U	8.02	8.03	0.214 J F1	0.529 F1 F2
Phenanthrene	0.039 J	4.01	4.01	3.23	3.46
Phenol	0.013 U	4.01	4.01	2.58	2.95
Pyrene	0.069 J	4.01	4.01	3.26	3.52

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID: MB 460-379075/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1130  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

Analysis Batch: 460-379179  
 Prep Batch: 460-379075  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CBNAMS12  
 Lab File ID: L135419.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	0.028	U	0.028	0.33
1,2,4,5-Tetrachlorobenzene	0.025	U	0.025	0.33
2,3,4,6-Tetrachlorophenol	0.031	U	0.031	0.33
2,4,5-Trichlorophenol	0.033	U	0.033	0.33
2,4,6-Trichlorophenol	0.0094	U	0.0094	0.13
2,4-Dichlorophenol	0.0078	U	0.0078	0.13
2,4-Dimethylphenol	0.073	U	0.073	0.33
2,4-Dinitrophenol	0.25	U	0.25	0.27
2,4-Dinitrotoluene	0.013	U	0.013	0.067
2,6-Dinitrotoluene	0.018	U	0.018	0.067
2-Chloronaphthalene	0.0075	U	0.0075	0.33
2-Chlorophenol	0.0084	U	0.0084	0.33
2-Methylnaphthalene	0.0073	U	0.0073	0.33
2-Methylphenol	0.014	U	0.014	0.33
2-Nitroaniline	0.011	U	0.011	0.33
2-Nitrophenol	0.011	U	0.011	0.33
3,3'-Dichlorobenzidine	0.037	U	0.037	0.13
3-Nitroaniline	0.0098	U	0.0098	0.33
4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.27
4-Bromophenyl phenyl ether	0.010	U	0.010	0.33
4-Chloro-3-methylphenol	0.014	U	0.014	0.33
4-Chloroaniline	0.0085	U	0.0085	0.33
4-Chlorophenyl phenyl ether	0.0099	U	0.0099	0.33
4-Methylphenol	0.0090	U	0.0090	0.33
4-Nitroaniline	0.013	U	0.013	0.33
4-Nitrophenol	0.16	U	0.16	0.67
Acenaphthene	0.0080	U	0.0080	0.33
Acenaphthylene	0.0085	U	0.0085	0.33
Acetophenone	0.0072	U	0.0072	0.33
Anthracene	0.031	U	0.031	0.33
Atrazine	0.015	U	0.015	0.13
Benzaldehyde	0.025	U	0.025	0.33
Benzo[a]anthracene	0.028	U	0.028	0.033
Benzo[a]pyrene	0.010	U	0.010	0.033
Benzo[b]fluoranthene	0.013	U	0.013	0.033
Benzo[g,h,i]perylene	0.019	U	0.019	0.33
Benzo[k]fluoranthene	0.014	U	0.014	0.033
bis (2-chloroisopropyl) ether	0.014	U	0.014	0.33
Bis(2-chloroethoxy)methane	0.010	U	0.010	0.33
Bis(2-chloroethyl)ether	0.0078	U	0.0078	0.033
Bis(2-ethylhexyl) phthalate	0.013	U	0.013	0.33
Butyl benzyl phthalate	0.010	U	0.010	0.33
Caprolactam	0.024	U	0.024	0.33
Carbazole	0.0082	U	0.0082	0.33
Chrysene	0.0090	U	0.0090	0.33

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID: MB 460-379075/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1130  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

Analysis Batch: 460-379179  
 Prep Batch: 460-379075  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CBNAMS12  
 Lab File ID: L135419.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	0.017	U	0.017	0.033
Dibenzofuran	0.010	U	0.010	0.33
Diethyl phthalate	0.0094	U	0.0094	0.33
Dimethyl phthalate	0.0096	U	0.0096	0.33
Di-n-butyl phthalate	0.0099	U	0.0099	0.33
Di-n-octyl phthalate	0.017	U	0.017	0.33
Fluoranthene	0.0098	U	0.0098	0.33
Fluorene	0.0072	U	0.0072	0.33
Hexachlorobenzene	0.013	U	0.013	0.033
Hexachlorobutadiene	0.0093	U	0.0093	0.067
Hexachlorocyclopentadiene	0.021	U	0.021	0.33
Hexachloroethane	0.012	U	0.012	0.033
Indeno[1,2,3-cd]pyrene	0.022	U	0.022	0.033
Isophorone	0.0071	U	0.0071	0.13
Naphthalene	0.0084	U	0.0084	0.33
Nitrobenzene	0.010	U	0.010	0.033
N-Nitrosodi-n-propylamine	0.011	U	0.011	0.033
N-Nitrosodiphenylamine	0.030	U	0.030	0.33
Pentachlorophenol	0.040	U	0.040	0.27
Phenanthrene	0.0088	U	0.0088	0.33
Phenol	0.011	U	0.011	0.33
Pyrene	0.015	U	0.015	0.33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	31	10 - 95
2-Fluorobiphenyl	84	27 - 84
2-Fluorophenol (Surr)	72	21 - 84
Nitrobenzene-d5 (Surr)	69	28 - 92
Phenol-d5 (Surr)	68	22 - 88
Terphenyl-d14 (Surr)	86	16 - 114

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID:	LCS 460-379075/2-A	Analysis Batch:	460-379179	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-379075	Lab File ID:	L135409.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/15/2016 0713	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/14/2016 1249			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3.33	3.47	104	64 - 103	*
1,2,4,5-Tetrachlorobenzene	3.33	2.76	83	62 - 109	
2,3,4,6-Tetrachlorophenol	3.33	2.43	73	57 - 113	
2,4,5-Trichlorophenol	3.33	2.86	86	59 - 105	
2,4,6-Trichlorophenol	3.33	2.89	87	61 - 107	
2,4-Dichlorophenol	3.33	2.67	80	59 - 99	
2,4-Dimethylphenol	3.33	2.86	86	60 - 98	
2,4-Dinitrophenol	6.67	5.61	84	26 - 137	
2,4-Dinitrotoluene	3.33	2.79	84	61 - 118	
2,6-Dinitrotoluene	3.33	3.03	91	63 - 112	
2-Chloronaphthalene	3.33	3.14	94	63 - 102	
2-Chlorophenol	3.33	2.86	86	58 - 95	
2-Methylnaphthalene	3.33	3.04	91	64 - 102	
2-Methylphenol	3.33	2.62	79	56 - 99	
2-Nitroaniline	3.33	2.56	77	46 - 113	
2-Nitrophenol	3.33	2.93	88	63 - 103	
3,3'-Dichlorobenzidine	3.33	1.77	53	18 - 92	
3-Nitroaniline	3.33	2.49	75	23 - 89	
4,6-Dinitro-2-methylphenol	6.67	6.01	90	51 - 124	
4-Bromophenyl phenyl ether	3.33	2.85	85	65 - 114	
4-Chloro-3-methylphenol	3.33	2.52	76	58 - 108	
4-Chloroaniline	3.33	2.17	65	10 - 82	
4-Chlorophenyl phenyl ether	3.33	2.73	82	63 - 107	
4-Methylphenol	3.33	2.61	78	53 - 103	
4-Nitroaniline	3.33	3.08	92	44 - 109	
4-Nitrophenol	6.67	4.86	73	45 - 125	
Acenaphthene	3.33	3.15	95	59 - 102	
Acenaphthylene	3.33	3.29	99	63 - 102	
Acetophenone	3.33	2.56	77	56 - 107	
Anthracene	3.33	3.24	97	66 - 105	
Benzo[a]anthracene	3.33	3.09	93	65 - 106	
Benzo[a]pyrene	3.33	3.38	101	68 - 111	
Benzo[b]fluoranthene	3.33	3.34	100	67 - 116	
Benzo[g,h,i]perylene	3.33	3.09	93	49 - 124	
Benzo[k]fluoranthene	3.33	3.42	103	65 - 114	
bis (2-chloroisopropyl) ether	3.33	1.19	36	42 - 119	*
Bis(2-chloroethoxy)methane	3.33	2.80	84	61 - 102	
Bis(2-chloroethyl)ether	3.33	2.74	82	58 - 102	
Bis(2-ethylhexyl) phthalate	3.33	4.41	132	60 - 125	*
Butyl benzyl phthalate	3.33	4.36	131	62 - 123	*
Carbazole	3.33	3.21	96	62 - 107	
Chrysene	3.33	3.14	94	64 - 105	
Dibenz(a,h)anthracene	3.33	3.25	97	54 - 126	
Dibenzofuran	3.33	3.15	95	62 - 102	
Diethyl phthalate	3.33	3.11	93	61 - 110	
Dimethyl phthalate	3.33	3.03	91	64 - 108	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379075**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379075/2-A	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Client Matrix: Solid	Prep Batch: 460-379075	Lab File ID: L135409.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0713	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	3.33	3.35	101	62 - 114	
Di-n-octyl phthalate	3.33	5.09	153	52 - 137	*
Fluoranthene	3.33	2.80	84	59 - 109	
Fluorene	3.33	3.17	95	65 - 108	
Hexachlorobenzene	3.33	2.41	72	65 - 117	
Hexachlorobutadiene	3.33	2.23	67	60 - 105	
Hexachlorocyclopentadiene	3.33	3.29	99	37 - 119	
Hexachloroethane	3.33	2.85	86	60 - 94	
Indeno[1,2,3-cd]pyrene	3.33	3.17	95	50 - 134	
Isophorone	3.33	2.51	75	60 - 102	
Naphthalene	3.33	2.97	89	64 - 99	
Nitrobenzene	3.33	2.69	81	59 - 102	
N-Nitrosodi-n-propylamine	3.33	2.68	80	56 - 112	
N-Nitrosodiphenylamine	3.33	3.62	109	71 - 119	
Pentachlorophenol	6.67	5.12	77	47 - 115	
Phenanthrene	3.33	3.21	96	66 - 105	
Phenol	3.33	2.51	75	55 - 99	
Pyrene	3.33	4.07	122	55 - 126	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	61	10 - 95
2-Fluorobiphenyl	99 X	27 - 84
2-Fluorophenol (Surr)	81	21 - 84
Nitrobenzene-d5 (Surr)	79	28 - 92
Phenol-d5 (Surr)	79	22 - 88
Terphenyl-d14 (Surr)	100	16 - 114

**Lab Control Sample - Batch: 460-379075**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379075/3-A	Analysis Batch: 460-379179	Instrument ID: CBNAMS12
Client Matrix: Solid	Prep Batch: 460-379075	Lab File ID: L135410.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0739	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/14/2016 1249		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6.67	5.86	88	41 - 116	
Benzaldehyde	6.67	5.05	76	55 - 116	
Caprolactam	6.67	6.38	96	44 - 129	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	52	10 - 95

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	91	X	27 - 84
2-Fluorophenol (Surr)	81		21 - 84
Nitrobenzene-d5 (Surr)	77		28 - 92
Phenol-d5 (Surr)	76		22 - 88
Terphenyl-d14 (Surr)	96		16 - 114

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0805  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135411.D  
Initial Weight/Volume: 15.0255 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0830  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135412.D  
Initial Weight/Volume: 15.0188 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	95	94	64 - 103	1	30	*	*
1,2,4,5-Tetrachlorobenzene	79	77	62 - 109	2	30		
2,3,4,6-Tetrachlorophenol	49	44	57 - 113	11	30	F1	F1
2,4,5-Trichlorophenol	63	59	59 - 105	7	30		
2,4,6-Trichlorophenol	71	67	61 - 107	6	30		
2,4-Dichlorophenol	69	65	59 - 99	6	30		
2,4-Dimethylphenol	79	77	60 - 98	2	30		
2,4-Dinitrophenol	9	8	26 - 137	17	30	F1	F1
2,4-Dinitrotoluene	78	80	61 - 118	3	30		
2,6-Dinitrotoluene	85	87	63 - 112	3	30		
2-Chloronaphthalene	86	87	63 - 102	1	30		
2-Chlorophenol	78	74	58 - 95	5	30		
2-Methylnaphthalene	84	82	64 - 102	3	30		
2-Methylphenol	73	70	56 - 99	4	30		
2-Nitroaniline	70	72	46 - 113	2	30		
2-Nitrophenol	70	64	63 - 103	9	30		
3,3'-Dichlorobenzidine	64	67	18 - 92	5	30		
3-Nitroaniline	77	76	23 - 89	0	30		
4,6-Dinitro-2-methylphenol	21	21	51 - 124	3	30	F1	F1
4-Bromophenyl phenyl ether	79	75	65 - 114	4	30		
4-Chloro-3-methylphenol	67	65	58 - 108	2	30		
4-Chloroaniline	59	52	10 - 82	14	30		
4-Chlorophenyl phenyl ether	72	71	63 - 107	1	30		
4-Methylphenol	72	70	53 - 103	3	30		
4-Nitroaniline	66	74	44 - 109	12	30		
4-Nitrophenol	57	55	45 - 125	5	30		
Acenaphthene	84	85	59 - 102	1	30		
Acenaphthylene	90	90	63 - 102	1	30		
Acetophenone	74	70	56 - 107	6	30		
Anthracene	88	88	66 - 105	1	30		
Atrazine	91	89	41 - 116	2	30		
Benzaldehyde	70	63	55 - 116	10	30		
Benzo[a]anthracene	84	84	65 - 106	1	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0805  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135411.D  
Initial Weight/Volume: 15.0255 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0830  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135412.D  
Initial Weight/Volume: 15.0188 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	88	87	68 - 111	1	30		
Benzo[b]fluoranthene	86	85	67 - 116	1	30		
Benzo[g,h,i]perylene	85	83	49 - 124	2	30		
Benzo[k]fluoranthene	87	89	65 - 114	2	30		
bis (2-chloroisopropyl) ether	34	32	42 - 119	5	30	F1 *	F1 *
Bis(2-chloroethoxy)methane	78	74	61 - 102	4	30		
Bis(2-chloroethyl)ether	77	74	58 - 102	4	30		
Bis(2-ethylhexyl) phthalate	119	124	60 - 125	4	30	*	*
Butyl benzyl phthalate	120	119	62 - 123	0	30	*	*
Caprolactam	62	51	44 - 129	19	30		
Carbazole	86	85	62 - 107	0	30		
Chrysene	83	86	64 - 105	4	30		
Dibenz(a,h)anthracene	89	86	54 - 126	3	30		
Dibenzofuran	87	86	62 - 102	0	30		
Diethyl phthalate	86	87	61 - 110	2	30		
Dimethyl phthalate	84	86	64 - 108	2	30		
Di-n-butyl phthalate	94	95	62 - 114	0	30		
Di-n-octyl phthalate	129	130	52 - 137	0	30	*	*
Fluoranthene	75	75	59 - 109	1	30		
Fluorene	84	85	65 - 108	1	30		
Hexachlorobenzene	65	65	65 - 117	0	30		
Hexachlorobutadiene	62	59	60 - 105	6	30		F1
Hexachlorocyclopentadiene	60	70	37 - 119	15	30		
Hexachloroethane	79	76	60 - 94	3	30		
Indeno[1,2,3-cd]pyrene	86	85	50 - 134	2	30		
Isophorone	71	69	60 - 102	3	30		
Naphthalene	82	80	64 - 99	3	30		
Nitrobenzene	75	72	59 - 102	3	30		
N-Nitrosodi-n-propylamine	77	74	56 - 112	4	30		
N-Nitrosodiphenylamine	99	98	71 - 119	1	30		
Pentachlorophenol	31	25	47 - 115	22	30	F1	F1
Phenanthrene	88	88	66 - 105	0	30		
Phenol	73	70	55 - 99	4	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0805  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135411.D  
Initial Weight/Volume: 15.0255 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0830  
Prep Date: 07/14/2016 1249  
Leach Date: N/A

Analysis Batch: 460-379179  
Prep Batch: 460-379075  
Leach Batch: N/A

Instrument ID: CBNAMS12  
Lab File ID: L135412.D  
Initial Weight/Volume: 15.0188 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Pyrene	105	108	55 - 126	2	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2,4,6-Tribromophenol (Surr)		47	43			10 - 95	
2-Fluorobiphenyl		92	91	X	X	27 - 84	
2-Fluorophenol (Surr)		74	69			21 - 84	
Nitrobenzene-d5 (Surr)		73	71			28 - 92	
Phenol-d5 (Surr)		72	70			22 - 88	
Terphenyl-d14 (Surr)		87	89			16 - 114	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0805  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0830  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1'-Biphenyl	0.034 U	4.00	4.00	3.80 *	3.78 *
1,2,4,5-Tetrachlorobenzene	0.030 U	4.00	4.00	3.14	3.08
2,3,4,6-Tetrachlorophenol	0.037 U	4.00	4.00	1.97 F1	1.76 F1
2,4,5-Trichlorophenol	0.039 U	4.00	4.00	2.52	2.36
2,4,6-Trichlorophenol	0.011 U	4.00	4.00	2.86	2.69
2,4-Dichlorophenol	0.0094 U	4.00	4.00	2.75	2.59
2,4-Dimethylphenol	0.087 U	4.00	4.00	3.17	3.09
2,4-Dinitrophenol	0.30 U	8.01	8.01	0.731 F1	0.614 F1
2,4-Dinitrotoluene	0.016 U	4.00	4.00	3.11	3.20
2,6-Dinitrotoluene	0.021 U	4.00	4.00	3.38	3.48
2-Chloronaphthalene	0.0090 U	4.00	4.00	3.45	3.47
2-Chlorophenol	0.010 U	4.00	4.00	3.11	2.95
2-Methylnaphthalene	0.0088 U	4.00	4.00	3.38	3.26
2-Methylphenol	0.017 U	4.00	4.00	2.91	2.79
2-Nitroaniline	0.013 U	4.00	4.00	2.81	2.87
2-Nitrophenol	0.013 U	4.00	4.00	2.79	2.55
3,3'-Dichlorobenzidine	0.044 U	4.00	4.00	2.54	2.67
3-Nitroaniline	0.012 U	4.00	4.00	3.07	3.05
4,6-Dinitro-2-methylphenol	0.11 U	8.01	8.01	1.72 F1	1.68 F1
4-Bromophenyl phenyl ether	0.012 U	4.00	4.00	3.15	3.02
4-Chloro-3-methylphenol	0.017 U	4.00	4.00	2.67	2.62
4-Chloroaniline	0.010 U	4.00	4.00	2.38	2.07
4-Chlorophenyl phenyl ether	0.012 U	4.00	4.00	2.89	2.85
4-Methylphenol	0.011 U	4.00	4.00	2.89	2.80
4-Nitroaniline	0.015 U	4.00	4.00	2.63	2.97
4-Nitrophenol	0.19 U	8.01	8.01	4.58	4.37
Acenaphthene	0.0096 U	4.00	4.00	3.37	3.39
Acenaphthylene	0.010 U	4.00	4.00	3.60	3.62
Acetophenone	0.0086 U	4.00	4.00	2.95	2.79
Anthracene	0.038 U	4.00	4.00	3.53	3.51
Atrazine	0.018 U	8.01	8.01	7.26	7.10
Benzaldehyde	0.030 U	8.01	8.01	5.57	5.04
Benzo[a]anthracene	0.033 U	4.00	4.00	3.35	3.38
Benzo[a]pyrene	0.012 U	4.00	4.00	3.51	3.49
Benzo[b]fluoranthene	0.015 U	4.00	4.00	3.44	3.41
Benzo[g,h,i]perylene	0.023 U	4.00	4.00	3.40	3.32
Benzo[k]fluoranthene	0.017 U	4.00	4.00	3.47	3.55
bis (2-chloroisopropyl) ether	0.016 U	4.00	4.00	1.36 F1 *	1.29 F1 *
Bis(2-chloroethoxy)methane	0.012 U	4.00	4.00	3.11	2.98
Bis(2-chloroethyl)ether	0.0094 U	4.00	4.00	3.08	2.96
Bis(2-ethylhexyl) phthalate	0.015 U	4.00	4.00	4.75 *	4.96 *
Butyl benzyl phthalate	0.042 J	4.00	4.00	4.83 *	4.82 *
Caprolactam	0.029 U	8.01	8.01	4.94	4.08

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379075**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0805  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0830  
 Prep Date: 07/14/2016 1249  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Carbazole	0.0098	U	4.00	4.00	3.43		3.42	
Chrysene	0.011	U	4.00	4.00	3.33		3.45	
Dibenz(a,h)anthracene	0.021	U	4.00	4.00	3.56		3.46	
Dibenzofuran	0.012	U	4.00	4.00	3.46		3.46	
Diethyl phthalate	0.011	U	4.00	4.00	3.42		3.50	
Dimethyl phthalate	0.012	U	4.00	4.00	3.38		3.44	
Di-n-butyl phthalate	0.012	U	4.00	4.00	3.78		3.79	
Di-n-octyl phthalate	0.020	U	4.00	4.00	5.17	*	5.19	*
Fluoranthene	0.012	U	4.00	4.00	2.99		3.02	
Fluorene	0.0086	U	4.00	4.00	3.36		3.39	
Hexachlorobenzene	0.016	U	4.00	4.00	2.59		2.58	
Hexachlorobutadiene	0.011	U	4.00	4.00	2.50		2.36	F1
Hexachlorocyclopentadiene	0.025	U	4.00	4.00	2.41		2.79	
Hexachloroethane	0.015	U	4.00	4.00	3.15		3.05	
Indeno[1,2,3-cd]pyrene	0.026	U	4.00	4.00	3.45		3.39	
Isophorone	0.016	J	4.00	4.00	2.85		2.78	
Naphthalene	0.010	U	4.00	4.00	3.28		3.18	
Nitrobenzene	0.012	U	4.00	4.00	2.99		2.90	
N-Nitrosodi-n-propylamine	0.013	U	4.00	4.00	3.07		2.96	
N-Nitrosodiphenylamine	0.036	U	4.00	4.00	3.98		3.93	
Pentachlorophenol	0.048	U	8.01	8.01	2.46	F1	1.97	F1
Phenanthrene	0.011	U	4.00	4.00	3.52		3.50	
Phenol	0.013	U	4.00	4.00	2.94		2.81	
Pyrene	0.018	U	4.00	4.00	4.22		4.31	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

Lab Sample ID: MB 460-379309/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/19/2016 1401  
 Prep Date: 07/15/2016 1418  
 Leach Date: N/A

Analysis Batch: 460-379720  
 Prep Batch: 460-379309  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CBNAMS5  
 Lab File ID: x16105.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	0.028	U	0.028	0.33
1,2,4,5-Tetrachlorobenzene	0.025	U	0.025	0.33
2,3,4,6-Tetrachlorophenol	0.031	U	0.031	0.33
2,4,5-Trichlorophenol	0.033	U	0.033	0.33
2,4,6-Trichlorophenol	0.0094	U	0.0094	0.13
2,4-Dichlorophenol	0.0078	U	0.0078	0.13
2,4-Dimethylphenol	0.073	U	0.073	0.33
2,4-Dinitrophenol	0.25	U	0.25	0.27
2,4-Dinitrotoluene	0.013	U	0.013	0.067
2,6-Dinitrotoluene	0.018	U	0.018	0.067
2-Chloronaphthalene	0.0075	U	0.0075	0.33
2-Chlorophenol	0.0084	U	0.0084	0.33
2-Methylnaphthalene	0.0073	U	0.0073	0.33
2-Methylphenol	0.014	U	0.014	0.33
2-Nitroaniline	0.011	U	0.011	0.33
2-Nitrophenol	0.011	U	0.011	0.33
3,3'-Dichlorobenzidine	0.037	U	0.037	0.13
3-Nitroaniline	0.0098	U	0.0098	0.33
4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.27
4-Bromophenyl phenyl ether	0.010	U	0.010	0.33
4-Chloro-3-methylphenol	0.014	U	0.014	0.33
4-Chloroaniline	0.0085	U	0.0085	0.33
4-Chlorophenyl phenyl ether	0.0099	U	0.0099	0.33
4-Methylphenol	0.0090	U	0.0090	0.33
4-Nitroaniline	0.013	U	0.013	0.33
4-Nitrophenol	0.16	U	0.16	0.67
Acenaphthene	0.0080	U	0.0080	0.33
Acenaphthylene	0.0085	U	0.0085	0.33
Acetophenone	0.0072	U	0.0072	0.33
Anthracene	0.031	U	0.031	0.33
Atrazine	0.015	U	0.015	0.13
Benzaldehyde	0.025	U	0.025	0.33
Benzo[a]anthracene	0.028	U	0.028	0.033
Benzo[a]pyrene	0.010	U	0.010	0.033
Benzo[b]fluoranthene	0.013	U	0.013	0.033
Benzo[g,h,i]perylene	0.019	U	0.019	0.33
Benzo[k]fluoranthene	0.014	U	0.014	0.033
bis (2-chloroisopropyl) ether	0.014	U	0.014	0.33
Bis(2-chloroethoxy)methane	0.010	U	0.010	0.33
Bis(2-chloroethyl)ether	0.0078	U	0.0078	0.033
Bis(2-ethylhexyl) phthalate	0.013	U	0.013	0.33
Butyl benzyl phthalate	0.010	U	0.010	0.33
Caprolactam	0.024	U	0.024	0.33
Carbazole	0.0082	U	0.0082	0.33
Chrysene	0.0090	U	0.0090	0.33

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-379309

## Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-379309/1-A	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379309	Lab File ID: x16105.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 1401	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	0.017	U	0.017	0.033
Dibenzofuran	0.010	U	0.010	0.33
Diethyl phthalate	0.0094	U	0.0094	0.33
Dimethyl phthalate	0.0096	U	0.0096	0.33
Di-n-butyl phthalate	0.0099	U	0.0099	0.33
Di-n-octyl phthalate	0.017	U	0.017	0.33
Fluoranthene	0.0098	U	0.0098	0.33
Fluorene	0.0072	U	0.0072	0.33
Hexachlorobenzene	0.013	U	0.013	0.033
Hexachlorobutadiene	0.0093	U	0.0093	0.067
Hexachlorocyclopentadiene	0.021	U	0.021	0.33
Hexachloroethane	0.012	U	0.012	0.033
Indeno[1,2,3-cd]pyrene	0.022	U	0.022	0.033
Isophorone	0.0071	U	0.0071	0.13
Naphthalene	0.0084	U	0.0084	0.33
Nitrobenzene	0.010	U	0.010	0.033
N-Nitrosodi-n-propylamine	0.011	U	0.011	0.033
N-Nitrosodiphenylamine	0.030	U	0.030	0.33
Pentachlorophenol	0.040	U	0.040	0.27
Phenanthrene	0.0088	U	0.0088	0.33
Phenol	0.011	U	0.011	0.33
Pyrene	0.015	U	0.015	0.33

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	70	10 - 95
2-Fluorobiphenyl	75	27 - 84
2-Fluorophenol (Surr)	70	21 - 84
Nitrobenzene-d5 (Surr)	77	28 - 92
Phenol-d5 (Surr)	71	22 - 88
Terphenyl-d14 (Surr)	80	16 - 114

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379309**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379309/2-A	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379309	Lab File ID: x16085.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 0550	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3.33	2.95	88	64 - 103	
1,2,4,5-Tetrachlorobenzene	3.33	2.97	89	62 - 109	
2,3,4,6-Tetrachlorophenol	3.33	2.96	89	57 - 113	
2,4,5-Trichlorophenol	3.33	2.96	89	59 - 105	
2,4,6-Trichlorophenol	3.33	3.01	90	61 - 107	
2,4-Dichlorophenol	3.33	2.75	82	59 - 99	
2,4-Dimethylphenol	3.33	2.76	83	60 - 98	
2,4-Dinitrophenol	6.67	6.26	94	26 - 137	
2,4-Dinitrotoluene	3.33	3.19	96	61 - 118	
2,6-Dinitrotoluene	3.33	3.11	93	63 - 112	
2-Chloronaphthalene	3.33	2.91	87	63 - 102	
2-Chlorophenol	3.33	2.67	80	58 - 95	
2-Methylnaphthalene	3.33	2.90	87	64 - 102	
2-Methylphenol	3.33	2.62	79	56 - 99	
2-Nitroaniline	3.33	3.09	93	46 - 113	
2-Nitrophenol	3.33	2.84	85	63 - 103	
3,3'-Dichlorobenzidine	3.33	2.40	72	18 - 92	
3-Nitroaniline	3.33	2.27	68	23 - 89	
4,6-Dinitro-2-methylphenol	6.67	6.93	104	51 - 124	
4-Bromophenyl phenyl ether	3.33	3.16	95	65 - 114	
4-Chloro-3-methylphenol	3.33	2.90	87	58 - 108	
4-Chloroaniline	3.33	2.31	69	10 - 82	
4-Chlorophenyl phenyl ether	3.33	3.14	94	63 - 107	
4-Methylphenol	3.33	2.74	82	53 - 103	
4-Nitroaniline	3.33	2.83	85	44 - 109	
4-Nitrophenol	6.67	6.40	96	45 - 125	
Acenaphthene	3.33	3.06	92	59 - 102	
Acenaphthylene	3.33	2.95	89	63 - 102	
Acetophenone	3.33	2.88	86	56 - 107	
Anthracene	3.33	3.05	91	66 - 105	
Benzo[a]anthracene	3.33	3.07	92	65 - 106	
Benzo[a]pyrene	3.33	3.17	95	68 - 111	
Benzo[b]fluoranthene	3.33	3.24	97	67 - 116	
Benzo[g,h,i]perylene	3.33	3.30	99	49 - 124	
Benzo[k]fluoranthene	3.33	3.03	91	65 - 114	
bis (2-chloroisopropyl) ether	3.33	2.73	82	42 - 119	
Bis(2-chloroethoxy)methane	3.33	2.91	87	61 - 102	
Bis(2-chloroethyl)ether	3.33	2.74	82	58 - 102	
Bis(2-ethylhexyl) phthalate	3.33	3.12	94	60 - 125	
Butyl benzyl phthalate	3.33	3.15	94	62 - 123	
Carbazole	3.33	3.07	92	62 - 107	
Chrysene	3.33	2.95	89	64 - 105	
Dibenz(a,h)anthracene	3.33	3.19	96	54 - 126	
Dibenzofuran	3.33	2.96	89	62 - 102	
Diethyl phthalate	3.33	3.20	96	61 - 110	
Dimethyl phthalate	3.33	3.10	93	64 - 108	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379309**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379309/2-A	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379309	Lab File ID: x16085.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 0550	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	3.33	3.26	98	62 - 114	
Di-n-octyl phthalate	3.33	3.07	92	52 - 137	
Fluoranthene	3.33	3.06	92	59 - 109	
Fluorene	3.33	3.04	91	65 - 108	
Hexachlorobenzene	3.33	3.23	97	65 - 117	
Hexachlorobutadiene	3.33	2.87	86	60 - 105	
Hexachlorocyclopentadiene	3.33	3.04	91	37 - 119	
Hexachloroethane	3.33	2.70	81	60 - 94	
Indeno[1,2,3-cd]pyrene	3.33	3.19	96	50 - 134	
Isophorone	3.33	2.99	90	60 - 102	
Naphthalene	3.33	2.81	84	64 - 99	
Nitrobenzene	3.33	2.81	84	59 - 102	
N-Nitrosodi-n-propylamine	3.33	2.90	87	56 - 112	
N-Nitrosodiphenylamine	3.33	3.05	91	71 - 119	
Pentachlorophenol	6.67	6.29	94	47 - 115	
Phenanthrene	3.33	3.08	92	66 - 105	
Phenol	3.33	2.66	80	55 - 99	
Pyrene	3.33	3.03	91	55 - 126	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	100 X	10 - 95
2-Fluorobiphenyl	87 X	27 - 84
2-Fluorophenol (Surr)	81	21 - 84
Nitrobenzene-d5 (Surr)	85	28 - 92
Phenol-d5 (Surr)	79	22 - 88
Terphenyl-d14 (Surr)	89	16 - 114

**Lab Control Sample - Batch: 460-379309**

**Method: 8270D**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379309/3-A	Analysis Batch: 460-379720	Instrument ID: CBNAMS5
Client Matrix: Solid	Prep Batch: 460-379309	Lab File ID: x16086.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 0614	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 1418		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	6.67	7.39	111	41 - 116	
Benzaldehyde	6.67	5.66	85	55 - 116	
Caprolactam	6.67	6.60	99	44 - 129	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	99 X	10 - 95

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	83		27 - 84
2-Fluorophenol (Surr)	85	X	21 - 84
Nitrobenzene-d5 (Surr)	90		28 - 92
Phenol-d5 (Surr)	84		22 - 88
Terphenyl-d14 (Surr)	90		16 - 114

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1230  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810306.D  
Initial Weight/Volume: 15.0313 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1254  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810307.D  
Initial Weight/Volume: 15.0167 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	79	83	64 - 103	4	30		
1,2,4,5-Tetrachlorobenzene	78	79	62 - 109	2	30		
2,3,4,6-Tetrachlorophenol	25	30	57 - 113	19	30	F1	F1
2,4,5-Trichlorophenol	44	53	59 - 105	18	30	F1	F1
2,4,6-Trichlorophenol	42	56	61 - 107	30	30	F1	F1
2,4-Dichlorophenol	58	64	59 - 99	10	30	F1	
2,4-Dimethylphenol	70	81	60 - 98	15	30		
2,4-Dinitrophenol	7	6	26 - 137	19	30	F1	F1
2,4-Dinitrotoluene	79	79	61 - 118	0	30		
2,6-Dinitrotoluene	88	89	63 - 112	2	30		
2-Chloronaphthalene	78	78	63 - 102	0	30		
2-Chlorophenol	61	67	58 - 95	10	30		
2-Methylnaphthalene	70	74	64 - 102	5	30		
2-Methylphenol	69	75	56 - 99	9	30		
2-Nitroaniline	62	68	46 - 113	10	30		
2-Nitrophenol	42	53	63 - 103	23	30	F1	F1
3,3'-Dichlorobenzidine	63	73	18 - 92	15	30		
3-Nitroaniline	63	64	23 - 89	2	30		
4,6-Dinitro-2-methylphenol	17	16	51 - 124	8	30	F1	F1
4-Bromophenyl phenyl ether	85	83	65 - 114	2	30		
4-Chloro-3-methylphenol	69	74	58 - 108	7	30		
4-Chloroaniline	46	46	10 - 82	1	30		
4-Chlorophenyl phenyl ether	69	72	63 - 107	3	30		
4-Methylphenol	71	78	53 - 103	9	30		
4-Nitroaniline	63	71	44 - 109	12	30		
4-Nitrophenol	39	51	45 - 125	27	30	F1	
Acenaphthene	67	70	59 - 102	4	30		
Acenaphthylene	75	78	63 - 102	4	30		
Acetophenone	71	76	56 - 107	7	30		
Anthracene	75	79	66 - 105	5	30		
Atrazine	91	91	41 - 116	1	30		
Benzaldehyde	58	64	55 - 116	11	30		
Benzo[a]anthracene	76	80	65 - 106	5	30		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1230  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810306.D  
Initial Weight/Volume: 15.0313 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1254  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810307.D  
Initial Weight/Volume: 15.0167 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	70	78	68 - 111	11	30		
Benzo[b]fluoranthene	65	68	67 - 116	5	30	F1	
Benzo[g,h,i]perylene	77	83	49 - 124	9	30		
Benzo[k]fluoranthene	61	68	65 - 114	12	30	F1	
bis (2-chloroisopropyl) ether	78	91	42 - 119	15	30		
Bis(2-chloroethoxy)methane	85	95	61 - 102	11	30		
Bis(2-chloroethyl)ether	73	81	58 - 102	11	30		
Bis(2-ethylhexyl) phthalate	96	93	60 - 125	3	30		
Butyl benzyl phthalate	79	85	62 - 123	7	30		
Caprolactam	72	72	44 - 129	0	30		
Carbazole	73	76	62 - 107	5	30		
Chrysene	75	80	64 - 105	6	30		
Dibenz(a,h)anthracene	83	89	54 - 126	7	30		
Dibenzofuran	73	74	62 - 102	2	30		
Diethyl phthalate	84	87	61 - 110	3	30		
Dimethyl phthalate	89	91	64 - 108	3	30		
Di-n-butyl phthalate	90	94	62 - 114	4	30		
Di-n-octyl phthalate	55	56	52 - 137	3	30		
Fluoranthene	69	75	59 - 109	9	30		
Fluorene	70	72	65 - 108	3	30		
Hexachlorobenzene	80	82	65 - 117	2	30		
Hexachlorobutadiene	67	71	60 - 105	7	30		
Hexachlorocyclopentadiene	5	6	37 - 119	12	30	J F1	J F1
Hexachloroethane	47	52	60 - 94	9	30	F1	F1
Indeno[1,2,3-cd]pyrene	81	91	50 - 134	12	30		
Isophorone	82	90	60 - 102	9	30		
Naphthalene	71	76	64 - 99	6	30		
Nitrobenzene	72	78	59 - 102	8	30		
N-Nitrosodi-n-propylamine	79	85	56 - 112	8	30		
N-Nitrosodiphenylamine	87	91	71 - 119	5	30		
Pentachlorophenol	14	16	47 - 115	13	30	F1	F1
Phenanthrene	77	82	66 - 105	6	30		
Phenol	72	80	55 - 99	10	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1230  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810306.D  
Initial Weight/Volume: 15.0313 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1254  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analysis Batch: 460-379971  
Prep Batch: 460-379309  
Leach Batch: N/A

Instrument ID: CBNAMS11  
Lab File ID: z41810307.D  
Initial Weight/Volume: 15.0167 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Pyrene	63	67	55 - 126	7	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2,4,6-Tribromophenol (Surr)		37	49			10 - 95	
2-Fluorobiphenyl		80	82			27 - 84	
2-Fluorophenol (Surr)		59	65			21 - 84	
Nitrobenzene-d5 (Surr)		71	76			28 - 92	
Phenol-d5 (Surr)		71	75			22 - 88	
Terphenyl-d14 (Surr)		61	63			16 - 114	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/20/2016 1230  
 Prep Date: 07/15/2016 1418  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/20/2016 1254  
 Prep Date: 07/15/2016 1418  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1'-Biphenyl	0.033 U	3.92	3.93	3.12	3.26
1,2,4,5-Tetrachlorobenzene	0.029 U	3.92	3.93	3.04	3.09
2,3,4,6-Tetrachlorophenol	0.037 U	3.92	3.93	0.975 F1	1.18 F1
2,4,5-Trichlorophenol	0.039 U	3.92	3.93	1.73 F1	2.07 F1
2,4,6-Trichlorophenol	0.011 U	3.92	3.93	1.63 F1	2.21 F1
2,4-Dichlorophenol	0.0092 U	3.92	3.93	2.26 F1	2.50
2,4-Dimethylphenol	0.086 U	3.92	3.93	2.74	3.18
2,4-Dinitrophenol	0.29 U	7.85	7.85	0.567 F1	0.469 F1
2,4-Dinitrotoluene	0.015 U	3.92	3.93	3.11	3.10
2,6-Dinitrotoluene	0.021 U	3.92	3.93	3.45	3.50
2-Chloronaphthalene	0.0088 U	3.92	3.93	3.07	3.07
2-Chlorophenol	0.0099 U	3.92	3.93	2.38	2.63
2-Methylnaphthalene	0.0086 U	3.92	3.93	2.76	2.90
2-Methylphenol	0.017 U	3.92	3.93	2.69	2.94
2-Nitroaniline	0.013 U	3.92	3.93	2.41	2.67
2-Nitrophenol	0.013 U	3.92	3.93	1.66 F1	2.09 F1
3,3'-Dichlorobenzidine	0.043 U	3.92	3.93	2.46	2.86
3-Nitroaniline	0.012 U	3.92	3.93	2.47	2.52
4,6-Dinitro-2-methylphenol	0.10 U	7.85	7.85	1.37 F1	1.26 F1
4-Bromophenyl phenyl ether	0.012 U	3.92	3.93	3.35	3.27
4-Chloro-3-methylphenol	0.017 U	3.92	3.93	2.72	2.92
4-Chloroaniline	0.010 U	3.92	3.93	1.80	1.82
4-Chlorophenyl phenyl ether	0.012 U	3.92	3.93	2.72	2.82
4-Methylphenol	0.011 U	3.92	3.93	2.79	3.05
4-Nitroaniline	0.015 U	3.92	3.93	2.47	2.77
4-Nitrophenol	0.19 U	7.85	7.85	3.05 F1	4.02
Acenaphthene	0.0094 U	3.92	3.93	2.63	2.73
Acenaphthylene	0.010 U	3.92	3.93	2.94	3.05
Acetophenone	0.0085 U	3.92	3.93	2.78	2.98
Anthracene	0.037 U	3.92	3.93	2.95	3.12
Atrazine	0.017 U	7.85	7.85	7.11	7.18
Benzaldehyde	0.030 U	7.85	7.85	4.53	5.06
Benzo[a]anthracene	0.033 U	3.92	3.93	2.99	3.16
Benzo[a]pyrene	0.013 J	3.92	3.93	2.76	3.08
Benzo[b]fluoranthene	0.015 U	3.92	3.93	2.56 F1	2.69
Benzo[g,h,i]perylene	0.022 U	3.92	3.93	3.01	3.28
Benzo[k]fluoranthene	0.017 U	3.92	3.93	2.39 F1	2.69
bis (2-chloroisopropyl) ether	0.016 U	3.92	3.93	3.05	3.56
Bis(2-chloroethoxy)methane	0.012 U	3.92	3.93	3.34	3.75
Bis(2-chloroethyl)ether	0.0092 U	3.92	3.93	2.86	3.20
Bis(2-ethylhexyl) phthalate	0.17 J	3.92	3.93	3.94	3.82
Butyl benzyl phthalate	0.012 U	3.92	3.93	3.11	3.34
Caprolactam	0.028 U	7.85	7.85	5.65	5.67

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379309**

**Method: 8270D  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1230  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/20/2016 1254  
Prep Date: 07/15/2016 1418  
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual		
Carbazole	0.0097	U	3.92	3.93	2.85	3.00		
Chrysene	0.013	J	3.92	3.93	2.97	3.14		
Dibenz(a,h)anthracene	0.020	U	3.92	3.93	3.26	3.50		
Dibenzofuran	0.012	U	3.92	3.93	2.85	2.89		
Diethyl phthalate	0.011	U	3.92	3.93	3.31	3.42		
Dimethyl phthalate	0.011	U	3.92	3.93	3.50	3.59		
Di-n-butyl phthalate	0.012	U	3.92	3.93	3.54	3.67		
Di-n-octyl phthalate	0.020	U	3.92	3.93	2.16	2.22		
Fluoranthene	0.020	J	3.92	3.93	2.71	2.96		
Fluorene	0.0085	U	3.92	3.93	2.74	2.81		
Hexachlorobenzene	0.016	U	3.92	3.93	3.14	3.21		
Hexachlorobutadiene	0.011	U	3.92	3.93	2.61	2.80		
Hexachlorocyclopentadiene	0.024	U	3.92	3.93	0.197	0.222	J F1	J F1
Hexachloroethane	0.014	U	3.92	3.93	1.85	2.02	F1	F1
Indeno[1,2,3-cd]pyrene	0.026	U	3.92	3.93	3.19	3.59		
Isophorone	0.0084	U	3.92	3.93	3.21	3.53		
Naphthalene	0.0099	U	3.92	3.93	2.80	2.98		
Nitrobenzene	0.012	U	3.92	3.93	2.83	3.07		
N-Nitrosodi-n-propylamine	0.013	U	3.92	3.93	3.09	3.35		
N-Nitrosodiphenylamine	0.035	U	3.92	3.93	3.43	3.59		
Pentachlorophenol	0.047	U	7.85	7.85	1.10	1.25	F1	F1
Phenanthrene	0.019	J	3.92	3.93	3.05	3.23		
Phenol	0.013	U	3.92	3.93	2.84	3.13		
Pyrene	0.019	J	3.92	3.93	2.48	2.67		

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

Lab Sample ID: MB 460-379320/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0253  
 Prep Date: 07/15/2016 1505  
 Leach Date: N/A

Analysis Batch: 460-379378  
 Prep Batch: 460-379320  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CBNAMS6  
 Lab File ID: M230122B.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 2 mL  
 Injection Volume: 5 uL

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	0.63	U	0.63	10
1,2,4,5-Tetrachlorobenzene	0.43	U	0.43	10
2,3,4,6-Tetrachlorophenol	0.69	U	0.69	10
2,4,5-Trichlorophenol	0.49	U	0.49	10
2,4,6-Trichlorophenol	0.53	U	0.53	10
2,4-Dichlorophenol	0.63	U	0.63	10
2,4-Dimethylphenol	0.91	U	0.91	10
2,4-Dinitrophenol	2.4	U	2.4	20
2,4-Dinitrotoluene	1.0	U	1.0	2.0
2,6-Dinitrotoluene	0.88	U	0.88	2.0
2-Chloronaphthalene	0.61	U	0.61	10
2-Chlorophenol	0.74	U	0.74	10
2-Methylnaphthalene	0.88	U	0.88	10
2-Methylphenol	1.3	U	1.3	10
2-Nitroaniline	0.65	U	0.65	10
2-Nitrophenol	0.59	U	0.59	10
3,3'-Dichlorobenzidine	1.0	U	1.0	10
3-Nitroaniline	0.82	U	0.82	10
4,6-Dinitro-2-methylphenol	2.0	U	2.0	20
4-Bromophenyl phenyl ether	1.0	U	1.0	10
4-Chloro-3-methylphenol	0.76	U	0.76	10
4-Chloroaniline	0.73	U	0.73	10
4-Chlorophenyl phenyl ether	0.96	U	0.96	10
4-Methylphenol	0.87	U	0.87	10
4-Nitroaniline	0.48	U	0.48	10
4-Nitrophenol	4.7	U	4.7	20
Acenaphthene	0.88	U	0.88	10
Acenaphthylene	0.65	U	0.65	10
Acetophenone	1.0	U	1.0	10
Anthracene	0.57	U	0.57	10
Atrazine	0.77	U	0.77	2.0
Benzaldehyde	0.86	U	0.86	10
Benzo[a]anthracene	0.55	U	0.55	1.0
Benzo[a]pyrene	0.16	U	0.16	1.0
Benzo[b]fluoranthene	0.44	U	0.44	1.0
Benzo[g,h,i]perylene	0.75	U	0.75	10
Benzo[k]fluoranthene	0.18	U	0.18	1.0
bis (2-chloroisopropyl) ether	0.93	U	0.93	10
Bis(2-chloroethoxy)methane	0.69	U	0.69	10
Bis(2-chloroethyl)ether	0.12	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	0.72	U	0.72	2.0
Butyl benzyl phthalate	0.60	U	0.60	10
Caprolactam	1.1	U	1.1	10
Carbazole	0.85	U	0.85	10
Chrysene	0.67	U	0.67	2.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-379320

**Method: 8270D**  
**Preparation: 3510C**

Lab Sample ID: MB 460-379320/1-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/16/2016 0253  
Prep Date: 07/15/2016 1505  
Leach Date: N/A

Analysis Batch: 460-379378  
Prep Batch: 460-379320  
Leach Batch: N/A  
Units: ug/L

Instrument ID: CBNAMS6  
Lab File ID: M230122B.D  
Initial Weight/Volume: 250 mL  
Final Weight/Volume: 2 mL  
Injection Volume: 5 uL

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
Dibenzofuran	0.85	U	0.85	10
Diethyl phthalate	1.0	U	1.0	10
Dimethyl phthalate	0.98	U	0.98	10
Di-n-butyl phthalate	0.82	U	0.82	10
Di-n-octyl phthalate	0.69	U	0.69	10
Fluoranthene	0.72	U	0.72	10
Fluorene	0.80	U	0.80	10
Hexachlorobenzene	0.47	U	0.47	1.0
Hexachlorobutadiene	0.76	U	0.76	1.0
Hexachlorocyclopentadiene	0.61	U	0.61	10
Hexachloroethane	0.090	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	0.21	U	0.21	1.0
Isophorone	0.67	U	0.67	10
Naphthalene	0.80	U	0.80	10
Nitrobenzene	0.49	U	0.49	1.0
N-Nitrosodi-n-propylamine	0.83	U	0.83	1.0
N-Nitrosodiphenylamine	0.74	U	0.74	10
Pentachlorophenol	2.2	U	2.2	20
Phenanthrene	0.65	U	0.65	10
Phenol	0.41	U	0.41	10
Pyrene	0.83	U	0.83	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	104	43 - 126
2-Fluorobiphenyl	73	63 - 113
2-Fluorophenol (Surr)	49	13 - 77
Nitrobenzene-d5 (Surr)	95	62 - 120
Phenol-d5 (Surr)	28	10 - 53
Terphenyl-d14 (Surr)	100	57 - 125

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379320**

**Method: 8270D**  
**Preparation: 3510C**

Lab Sample ID: LCS 460-379320/2-A	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230123.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0315	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	80.0	60.2	75	62 - 108	
1,2,4,5-Tetrachlorobenzene	80.0	58.9	74	57 - 113	
2,3,4,6-Tetrachlorophenol	80.0	79.6	99	61 - 118	
2,4,5-Trichlorophenol	80.0	78.0	98	66 - 111	
2,4,6-Trichlorophenol	80.0	78.5	98	67 - 115	
2,4-Dichlorophenol	80.0	71.6	90	70 - 103	
2,4-Dimethylphenol	80.0	65.0	81	65 - 104	
2,4-Dinitrophenol	160	151	94	41 - 114	
2,4-Dinitrotoluene	80.0	80.3	100	60 - 119	
2,6-Dinitrotoluene	80.0	80.4	101	69 - 112	
2-Chloronaphthalene	80.0	55.9	70	62 - 105	
2-Chlorophenol	80.0	60.1	75	55 - 96	
2-Methylnaphthalene	80.0	56.7	71	62 - 104	
2-Methylphenol	80.0	56.8	71	41 - 88	
2-Nitroaniline	80.0	75.9	95	59 - 111	
2-Nitrophenol	80.0	69.2	87	72 - 105	
3,3'-Dichlorobenzidine	80.0	76.1	95	71 - 132	
3-Nitroaniline	80.0	68.6	86	54 - 108	
4,6-Dinitro-2-methylphenol	160	150	94	72 - 125	
4-Bromophenyl phenyl ether	80.0	69.5	87	66 - 134	
4-Chloro-3-methylphenol	80.0	70.0	87	58 - 109	
4-Chloroaniline	80.0	74.1	93	61 - 106	
4-Chlorophenyl phenyl ether	80.0	76.9	96	63 - 112	
4-Methylphenol	80.0	44.0	55	35 - 81	
4-Nitroaniline	80.0	72.4	91	42 - 128	
4-Nitrophenol	160	57.6	36	10 - 53	
Acenaphthene	80.0	63.8	80	55 - 110	
Acenaphthylene	80.0	63.9	80	67 - 110	
Acetophenone	80.0	78.8	98	61 - 118	
Anthracene	80.0	75.2	94	76 - 113	
Benzo[a]anthracene	80.0	81.5	102	75 - 116	
Benzo[a]pyrene	80.0	90.1	113	75 - 122	
Benzo[b]fluoranthene	80.0	88.7	111	74 - 125	
Benzo[g,h,i]perylene	80.0	95.7	120	66 - 144	
Benzo[k]fluoranthene	80.0	85.4	107	70 - 120	
bis (2-chloroisopropyl) ether	80.0	64.0	80	48 - 107	
Bis(2-chloroethoxy)methane	80.0	73.5	92	68 - 109	
Bis(2-chloroethyl)ether	80.0	67.0	84	60 - 104	
Bis(2-ethylhexyl) phthalate	80.0	83.9	105	68 - 131	
Butyl benzyl phthalate	80.0	80.6	101	68 - 122	
Carbazole	80.0	72.9	91	69 - 118	
Chrysene	80.0	90.0	112	73 - 115	
Dibenz(a,h)anthracene	80.0	97.1	121	72 - 142	
Dibenzofuran	80.0	70.2	88	63 - 106	
Diethyl phthalate	80.0	78.9	99	62 - 115	
Dimethyl phthalate	80.0	80.6	101	68 - 111	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379320**

**Method: 8270D**  
**Preparation: 3510C**

Lab Sample ID: LCS 460-379320/2-A	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230123.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0315	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Di-n-butyl phthalate	80.0	81.3	102	66 - 127	
Di-n-octyl phthalate	80.0	85.7	107	58 - 126	
Fluoranthene	80.0	78.3	98	65 - 125	
Fluorene	80.0	76.5	96	66 - 112	
Hexachlorobenzene	80.0	77.5	97	66 - 136	
Hexachlorobutadiene	80.0	53.0	66	47 - 100	
Hexachlorocyclopentadiene	80.0	44.6	56	42 - 115	
Hexachloroethane	80.0	49.7	62	44 - 91	
Indeno[1,2,3-cd]pyrene	80.0	86.0	108	72 - 139	
Isophorone	80.0	69.7	87	61 - 107	
Naphthalene	80.0	55.6	70	61 - 100	
Nitrobenzene	80.0	79.8	100	66 - 105	
N-Nitrosodi-n-propylamine	80.0	80.1	100	57 - 120	
N-Nitrosodiphenylamine	80.0	70.0	87	65 - 121	
Pentachlorophenol	160	153	96	58 - 125	
Phenanthrene	80.0	74.3	93	76 - 116	
Phenol	80.0	26.8	34	14 - 50	
Pyrene	80.0	82.7	103	57 - 120	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	97	43 - 126
2-Fluorobiphenyl	84	63 - 113
2-Fluorophenol (Surr)	45	13 - 77
Nitrobenzene-d5 (Surr)	91	62 - 120
Phenol-d5 (Surr)	29	10 - 53
Terphenyl-d14 (Surr)	94	57 - 125

**Lab Control Sample - Batch: 460-379320**

**Method: 8270D**  
**Preparation: 3510C**

Lab Sample ID: LCS 460-379320/3-A	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230124.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0336	Units: ug/L	Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	160	205	128	58 - 134	E
Benzaldehyde	160	159	100	56 - 114	
Caprolactam	160	54.5	34	10 - 45	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	95	43 - 126

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	68	63 - 113
2-Fluorophenol (Surr)	46	13 - 77
Nitrobenzene-d5 (Surr)	88	62 - 120
Phenol-d5 (Surr)	26	10 - 53
Terphenyl-d14 (Surr)	88	57 - 125

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

MS Lab Sample ID: 460-116960-G-1-A MS	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230125.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0358		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116960-D-1-A MSD	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230126.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0420		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1'-Biphenyl	92	83	62 - 108	11	30		
1,2,4,5-Tetrachlorobenzene	87	76	57 - 113	14	30		
2,3,4,6-Tetrachlorophenol	111	96	61 - 118	15	30		
2,4,5-Trichlorophenol	108	85	66 - 111	24	30		
2,4,6-Trichlorophenol	96	83	67 - 115	14	30		
2,4-Dichlorophenol	98	86	70 - 103	13	30		
2,4-Dimethylphenol	91	76	65 - 104	18	30		
2,4-Dinitrophenol	84	96	41 - 114	14	30		
2,4-Dinitrotoluene	113	98	60 - 119	14	30		
2,6-Dinitrotoluene	113	100	69 - 112	13	30	F1	
2-Chloronaphthalene	89	79	62 - 105	12	30		
2-Chlorophenol	82	69	55 - 96	17	30		
2-Methylnaphthalene	86	77	62 - 104	10	30		
2-Methylphenol	76	62	41 - 88	20	30		
2-Nitroaniline	109	94	59 - 111	15	30		
2-Nitrophenol	99	87	72 - 105	13	30		
3,3'-Dichlorobenzidine	99	87	71 - 132	13	30		
3-Nitroaniline	91	82	54 - 108	9	30		
4,6-Dinitro-2-methylphenol	100	98	72 - 125	3	30		
4-Bromophenyl phenyl ether	91	89	66 - 134	1	30		
4-Chloro-3-methylphenol	87	83	58 - 109	5	30		
4-Chloroaniline	91	86	61 - 106	6	30		
4-Chlorophenyl phenyl ether	111	93	63 - 112	18	30		
4-Methylphenol	64	53	35 - 81	20	30		
4-Nitroaniline	98	84	42 - 128	15	30		
4-Nitrophenol	35	32	10 - 53	9	30		
Acenaphthene	99	86	55 - 110	15	30		
Acenaphthylene	102	81	67 - 110	22	30		
Acetophenone	103	82	61 - 118	22	30		
Anthracene	105	97	76 - 113	9	30		
Atrazine	146	133	58 - 134	9	30	E F1	E
Benzaldehyde	106	87	56 - 114	20	30		
Benzo[a]anthracene	107	97	75 - 116	10	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

MS Lab Sample ID: 460-116960-G-1-A MS	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230125.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0358		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116960-D-1-A MSD	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230126.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0420		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	117	111	75 - 122	5	30		
Benzo[b]fluoranthene	114	107	74 - 125	6	30		
Benzo[g,h,i]perylene	113	110	66 - 144	2	30		
Benzo[k]fluoranthene	104	99	70 - 120	5	30		
bis (2-chloroisopropyl) ether	88	73	48 - 107	18	30		
Bis(2-chloroethoxy)methane	100	90	68 - 109	10	30		
Bis(2-chloroethyl)ether	94	80	60 - 104	17	30		
Bis(2-ethylhexyl) phthalate	115	106	68 - 131	8	30		
Butyl benzyl phthalate	113	101	68 - 122	11	30		
Caprolactam	23	21	10 - 45	7	30		
Carbazole	107	100	69 - 118	7	30		
Chrysene	121	104	73 - 115	15	30	F1	
Dibenz(a,h)anthracene	109	111	72 - 142	2	30		
Dibenzofuran	102	93	63 - 106	9	30		
Diethyl phthalate	110	94	62 - 115	16	30		
Dimethyl phthalate	113	98	68 - 111	14	30	F1	
Di-n-butyl phthalate	108	106	66 - 127	3	30		
Di-n-octyl phthalate	112	109	58 - 126	3	30		
Fluoranthene	110	103	65 - 125	6	30		
Fluorene	113	95	66 - 112	17	30	F1	
Hexachlorobenzene	113	98	66 - 136	14	30		
Hexachlorobutadiene	71	70	47 - 100	0	30		
Hexachlorocyclopentadiene	66	57	42 - 115	14	30		
Hexachloroethane	69	59	44 - 91	16	30		
Indeno[1,2,3-cd]pyrene	103	103	72 - 139	0	30		
Isophorone	97	83	61 - 107	16	30		
Naphthalene	83	84	61 - 100	2	30		
Nitrobenzene	106	93	66 - 105	13	30	F1	
N-Nitrosodi-n-propylamine	105	90	57 - 120	15	30		
N-Nitrosodiphenylamine	97	89	65 - 121	9	30		
Pentachlorophenol	108	95	58 - 125	13	30		
Phenanthrene	103	103	76 - 116	0	30		
Phenol	36	31	14 - 50	14	30		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

MS Lab Sample ID: 460-116960-G-1-A MS	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230125.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0358		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-116960-D-1-A MSD	Analysis Batch: 460-379378	Instrument ID: CBNAMS6
Client Matrix: Water	Prep Batch: 460-379320	Lab File ID: M230126.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/16/2016 0420		Final Weight/Volume: 2 mL
Prep Date: 07/15/2016 1505		Injection Volume: 5 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Pyrene	110	99	57 - 120	10	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2,4,6-Tribromophenol (Surr)		106	96			43 - 126	
2-Fluorobiphenyl		95	82			63 - 113	
2-Fluorophenol (Surr)		50	40			13 - 77	
Nitrobenzene-d5 (Surr)		97	85			62 - 120	
Phenol-d5 (Surr)		28	24			10 - 53	
Terphenyl-d14 (Surr)		99	89			57 - 125	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

MS Lab Sample ID: 460-116960-G-1-A MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0358  
 Prep Date: 07/15/2016 1505  
 Leach Date: N/A

MSD Lab Sample ID: 460-116960-D-1-A MSD  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0420  
 Prep Date: 07/15/2016 1505  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1'-Biphenyl	0.63 U	80.0	80.0	74.0	66.4
1,2,4,5-Tetrachlorobenzene	0.43 U	80.0	80.0	70.0	60.8
2,3,4,6-Tetrachlorophenol	0.69 U	80.0	80.0	89.0	76.6
2,4,5-Trichlorophenol	0.49 U	80.0	80.0	86.5	67.7
2,4,6-Trichlorophenol	0.53 U	80.0	80.0	76.7	66.7
2,4-Dichlorophenol	0.63 U	80.0	80.0	78.5	68.8
2,4-Dimethylphenol	0.91 U	80.0	80.0	72.6	60.6
2,4-Dinitrophenol	2.4 U	160	160	134	154
2,4-Dinitrotoluene	1.0 U	80.0	80.0	90.2	78.6
2,6-Dinitrotoluene	0.88 U	80.0	80.0	90.7	F1 79.7
2-Chloronaphthalene	0.61 U	80.0	80.0	71.6	63.3
2-Chlorophenol	0.74 U	80.0	80.0	65.3	55.0
2-Methylnaphthalene	0.88 U	80.0	80.0	68.6	61.8
2-Methylphenol	1.3 U	80.0	80.0	60.7	49.4
2-Nitroaniline	0.65 U	80.0	80.0	87.3	75.4
2-Nitrophenol	0.59 U	80.0	80.0	79.1	69.7
3,3'-Dichlorobenzidine	1.0 U	80.0	80.0	79.5	69.6
3-Nitroaniline	0.82 U	80.0	80.0	72.4	65.9
4,6-Dinitro-2-methylphenol	2.0 U	160	160	161	157
4-Bromophenyl phenyl ether	1.0 U	80.0	80.0	72.5	71.6
4-Chloro-3-methylphenol	0.76 U	80.0	80.0	69.5	66.2
4-Chloroaniline	0.73 U	80.0	80.0	72.5	68.5
4-Chlorophenyl phenyl ether	0.96 U	80.0	80.0	88.6	74.2
4-Methylphenol	0.87 U	80.0	80.0	51.4	42.3
4-Nitroaniline	0.48 U	80.0	80.0	78.2	67.5
4-Nitrophenol	4.7 U	160	160	56.4	51.4
Acenaphthene	0.88 U	80.0	80.0	79.5	68.6
Acenaphthylene	0.65 U	80.0	80.0	81.2	65.1
Acetophenone	1.0 U	80.0	80.0	82.3	65.7
Anthracene	0.57 U	80.0	80.0	84.2	77.3
Atrazine	0.77 U	160	160	233	E F1 212 E
Benzaldehyde	0.86 U	160	160	170	139
Benzo[a]anthracene	0.55 U	80.0	80.0	85.9	77.4
Benzo[a]pyrene	0.16 U	80.0	80.0	93.2	88.9
Benzo[b]fluoranthene	0.44 U	80.0	80.0	91.2	85.7
Benzo[g,h,i]perylene	0.75 U	80.0	80.0	90.0	88.0
Benzo[k]fluoranthene	0.18 U	80.0	80.0	83.5	79.2
bis (2-chloroisopropyl) ether	0.93 U	80.0	80.0	70.6	58.7
Bis(2-chloroethoxy)methane	0.69 U	80.0	80.0	80.0	72.3
Bis(2-chloroethyl)ether	0.12 U	80.0	80.0	75.6	64.0
Bis(2-ethylhexyl) phthalate	0.72 U	80.0	80.0	92.0	85.1
Butyl benzyl phthalate	0.60 U	80.0	80.0	90.6	81.0
Caprolactam	1.1 U	160	160	36.4	33.9

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379320**

**Method: 8270D  
Preparation: 3510C**

MS Lab Sample ID: 460-116960-G-1-A MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0358  
 Prep Date: 07/15/2016 1505  
 Leach Date: N/A

MSD Lab Sample ID: 460-116960-D-1-A MSD  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/16/2016 0420  
 Prep Date: 07/15/2016 1505  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Carbazole	0.85 U	80.0	80.0	85.8	79.8
Chrysene	0.67 U	80.0	80.0	96.4 F1	83.0
Dibenz(a,h)anthracene	0.090 U	80.0	80.0	87.5	89.2
Dibenzofuran	0.85 U	80.0	80.0	81.4	74.3
Diethyl phthalate	1.0 U	80.0	80.0	88.4	74.9
Dimethyl phthalate	0.98 U	80.0	80.0	90.4 F1	78.5
Di-n-butyl phthalate	0.82 U	80.0	80.0	86.6	84.4
Di-n-octyl phthalate	0.69 U	80.0	80.0	89.9	87.3
Fluoranthene	0.72 U	80.0	80.0	87.7	82.2
Fluorene	0.80 U	80.0	80.0	90.4 F1	75.9
Hexachlorobenzene	0.47 U	80.0	80.0	90.3	78.3
Hexachlorobutadiene	0.76 U	80.0	80.0	56.5	56.3
Hexachlorocyclopentadiene	0.61 U	80.0	80.0	52.4	45.7
Hexachloroethane	0.090 U	80.0	80.0	55.4	47.3
Indeno[1,2,3-cd]pyrene	0.21 U	80.0	80.0	82.5	82.7
Isophorone	0.67 U	80.0	80.0	78.0	66.3
Naphthalene	0.80 U	80.0	80.0	66.1	67.4
Nitrobenzene	0.49 U	80.0	80.0	84.5 F1	74.2
N-Nitrosodi-n-propylamine	0.83 U	80.0	80.0	84.2	72.2
N-Nitrosodiphenylamine	0.74 U	80.0	80.0	77.9	70.9
Pentachlorophenol	2.2 U	160	160	173	152
Phenanthrene	0.65 U	80.0	80.0	82.8	82.4
Phenol	0.41 U	80.0	80.0	29.0	25.2
Pyrene	0.83 U	80.0	80.0	87.8	79.3

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378802**

**Method: 8081B  
Preparation: 3510C**

Lab Sample ID: MB 460-378802/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1543  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

Analysis Batch: 460-378894  
 Prep Batch: 460-378802  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC5  
 Lab File ID: 5F001833.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.0050	U	0.0050	0.020
4,4'-DDE	0.0040	U	0.0040	0.020
4,4'-DDT	0.0040	U	0.0040	0.020
Aldrin	0.0040	U	0.0040	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.0050	U	0.0050	0.020
Chlordane	0.13	U	0.13	0.50
delta-BHC	0.0060	U	0.0060	0.020
Dieldrin	0.0040	U	0.0040	0.020
Endosulfan I	0.0050	U	0.0050	0.020
Endosulfan II	0.0040	U	0.0040	0.020
Endosulfan sulfate	0.0050	U	0.0050	0.020
Endrin	0.0040	U	0.0040	0.020
Endrin aldehyde	0.0040	U	0.0040	0.020
Endrin ketone	0.0040	U	0.0040	0.020
gamma-BHC (Lindane)	0.0040	U	0.0040	0.020
Heptachlor	0.0040	U	0.0040	0.020
Heptachlor epoxide	0.0040	U	0.0040	0.020
Methoxychlor	0.0040	U	0.0040	0.020
Toxaphene	0.060	U	0.060	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	140	16 - 144
Tetrachloro-m-xylene	123	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	132	16 - 144
Tetrachloro-m-xylene	122	47 - 150

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**TCLP SPLPE Leachate Blank - Batch: 460-378802**

**Method: 8081B  
Preparation: 3510C**

Lab Sample ID: LB 460-378662/1-C  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/14/2016 0918  
Prep Date: 07/13/2016 0805  
Leach Date: 07/12/2016 1700

Analysis Batch: 460-379001  
Prep Batch: 460-378802  
Leach Batch: 460-378662  
Units: ug/L

Instrument ID: CPESTGC5  
Lab File ID: 5F001842.D  
Initial Weight/Volume: 250 mL  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.0050	U	0.0050	0.020
4,4'-DDE	0.0040	U	0.0040	0.020
4,4'-DDT	0.0040	U	0.0040	0.020
Aldrin	0.0040	U	0.0040	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.0050	U	0.0050	0.020
Chlordane	0.13	U	0.13	0.50
delta-BHC	0.0060	U	0.0060	0.020
Dieldrin	0.0040	U	0.0040	0.020
Endosulfan I	0.0050	U	0.0050	0.020
Endosulfan II	0.0040	U	0.0040	0.020
Endosulfan sulfate	0.0050	U	0.0050	0.020
Endrin	0.0040	U	0.0040	0.020
Endrin aldehyde	0.0040	U	0.0040	0.020
Endrin ketone	0.0040	U	0.0040	0.020
gamma-BHC (Lindane)	0.0040	U	0.0040	0.020
Heptachlor	0.0040	U	0.0040	0.020
Heptachlor epoxide	0.0040	U	0.0040	0.020
Methoxychlor	0.0040	U	0.0040	0.020
Toxaphene	0.060	U	0.060	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	16 - 144
Tetrachloro-m-xylene	97	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	90	16 - 144
Tetrachloro-m-xylene	96	47 - 150

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378802**

**Method: 8081B**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378802/2-A	Analysis Batch: 460-378894	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-378802	Lab File ID: 5F001834.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1556	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-378802/3-A	Analysis Batch: 460-378894	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-378802	Lab File ID: 5F001835.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1609	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
4,4'-DDD	149	134	61 - 150	11	30		
4,4'-DDE	148	132	58 - 150	11	30		
4,4'-DDT	137	122	58 - 150	11	30		
Aldrin	139	124	60 - 150	11	30		
alpha-BHC	146	133	63 - 150	10	30		
beta-BHC	146	129	61 - 150	12	30		
delta-BHC	128	113	54 - 150	13	30		
Dieldrin	148	132	60 - 150	11	30		
Endosulfan I	146	131	64 - 150	11	30		
Endosulfan II	144	130	62 - 150	10	30		
Endosulfan sulfate	135	123	62 - 150	9	30		
Endrin	132	120	60 - 150	10	30		
Endrin aldehyde	152	137	62 - 150	11	30	*	
Endrin ketone	147	131	64 - 150	12	30		
gamma-BHC (Lindane)	145	128	65 - 150	12	30		
Heptachlor	138	122	60 - 150	12	30		
Heptachlor epoxide	141	127	66 - 150	11	30		
Methoxychlor	129	123	52 - 150	5	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	131		117	16 - 144			
Tetrachloro-m-xylene	142		130	47 - 150			

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378802**

**Method: 8081B**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378802/2-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1556  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

Analysis Batch: 460-378894  
 Prep Batch: 460-378802  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC5  
 Lab File ID: 5F001834.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 460-378802/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1609  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

Analysis Batch: 460-378894  
 Prep Batch: 460-378802  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC5  
 Lab File ID: 5F001835.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
4,4'-DDD	136	125	61 - 150	9	30		
4,4'-DDE	140	128	58 - 150	9	30		
4,4'-DDT	132	120	58 - 150	10	30		
Aldrin	136	124	60 - 150	10	30		
alpha-BHC	146	129	63 - 150	12	30		
beta-BHC	134	127	61 - 150	5	30		
delta-BHC	123	113	54 - 150	9	30		
Dieldrin	143	130	60 - 150	9	30		
Endosulfan I	143	130	64 - 150	9	30		
Endosulfan II	134	123	62 - 150	9	30		
Endosulfan sulfate	131	121	62 - 150	8	30		
Endrin	132	118	60 - 150	10	30		
Endrin aldehyde	143	133	62 - 150	7	30		
Endrin ketone	134	126	64 - 150	6	30		
gamma-BHC (Lindane)	135	126	65 - 150	7	30		
Heptachlor	131	119	60 - 150	9	30		
Heptachlor epoxide	139	126	66 - 150	10	30		
Methoxychlor	129	113	52 - 150	13	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	122		109		16 - 144		
Tetrachloro-m-xylene	133		119		47 - 150		

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378802**

**Method: 8081B  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378802/2-A      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1556  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378802/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1609  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4,4'-DDD	0.800	0.800	1.19	1.07
4,4'-DDE	0.800	0.800	1.18	1.06
4,4'-DDT	0.800	0.800	1.09	0.975
Aldrin	0.800	0.800	1.11	0.994
alpha-BHC	0.800	0.800	1.17	1.06
beta-BHC	0.800	0.800	1.17	1.03
delta-BHC	0.800	0.800	1.03	0.904
Dieldrin	0.800	0.800	1.19	1.06
Endosulfan I	0.800	0.800	1.16	1.05
Endosulfan II	0.800	0.800	1.15	1.04
Endosulfan sulfate	0.800	0.800	1.08	0.983
Endrin	0.800	0.800	1.06	0.957
Endrin aldehyde	0.800	0.800	1.21	1.09
Endrin ketone	0.800	0.800	1.18	1.05
gamma-BHC (Lindane)	0.800	0.800	1.16	1.03
Heptachlor	0.800	0.800	1.11	0.978
Heptachlor epoxide	0.800	0.800	1.13	1.02
Methoxychlor	0.800	0.800	1.03	0.983

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378802**

**Method: 8081B  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378802/2-A      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1556  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378802/3-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1609  
 Prep Date: 07/13/2016 0805  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4,4'-DDD	0.800	0.800	1.09	0.998
4,4'-DDE	0.800	0.800	1.12	1.02
4,4'-DDT	0.800	0.800	1.06	0.959
Aldrin	0.800	0.800	1.09	0.989
alpha-BHC	0.800	0.800	1.16	1.03
beta-BHC	0.800	0.800	1.07	1.02
delta-BHC	0.800	0.800	0.983	0.901
Dieldrin	0.800	0.800	1.14	1.04
Endosulfan I	0.800	0.800	1.14	1.04
Endosulfan II	0.800	0.800	1.07	0.980
Endosulfan sulfate	0.800	0.800	1.05	0.971
Endrin	0.800	0.800	1.05	0.948
Endrin aldehyde	0.800	0.800	1.14	1.06
Endrin ketone	0.800	0.800	1.07	1.01
gamma-BHC (Lindane)	0.800	0.800	1.08	1.01
Heptachlor	0.800	0.800	1.05	0.956
Heptachlor epoxide	0.800	0.800	1.11	1.01
Methoxychlor	0.800	0.800	1.03	0.906

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: MB 460-378924/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0532  
 Prep Date: 07/13/2016 1809  
 Leach Date: N/A

Analysis Batch: 460-378969  
 Prep Batch: 460-378924  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC4  
 Lab File ID: P4195968.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.00088	U	0.00088	0.0067
4,4'-DDE	0.00097	U	0.00097	0.0067
4,4'-DDT	0.00069	U	0.00069	0.0067
Aldrin	0.00081	U	0.00081	0.0067
alpha-BHC	0.00061	U	0.00061	0.0020
beta-BHC	0.00065	U	0.00065	0.0020
Chlordane	0.030	U	0.030	0.067
delta-BHC	0.00073	U	0.00073	0.0020
Dieldrin	0.00087	U	0.00087	0.0020
Endosulfan I	0.00093	U	0.00093	0.0067
Endosulfan II	0.0011	U	0.0011	0.0067
Endosulfan sulfate	0.00078	U	0.00078	0.0067
Endrin	0.00085	U	0.00085	0.0067
Endrin aldehyde	0.00083	U	0.00083	0.0067
Endrin ketone	0.00093	U	0.00093	0.0067
gamma-BHC (Lindane)	0.00060	U	0.00060	0.0020
Heptachlor	0.00086	U	0.00086	0.0067
Heptachlor epoxide	0.0013	U	0.0013	0.0067
Methoxychlor	0.0014	U	0.0014	0.0067
Toxaphene	0.020	U	0.020	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	130	55 - 148
Tetrachloro-m-xylene	127	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	129	55 - 148
Tetrachloro-m-xylene	124	55 - 139

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID:	LCS 460-378924/2-A	Analysis Batch:	460-378969	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-378924	Lab File ID:	P4195969.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/14/2016 0545	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/13/2016 1809			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.151	113	61 - 140	
4,4'-DDE	0.133	0.159	119	61 - 135	
4,4'-DDT	0.133	0.145	109	59 - 133	
Aldrin	0.133	0.159	119	61 - 133	
alpha-BHC	0.133	0.161	121	61 - 137	
beta-BHC	0.133	0.154	116	59 - 136	
delta-BHC	0.133	0.151	113	60 - 139	
Dieldrin	0.133	0.154	115	61 - 137	
Endosulfan I	0.133	0.154	116	60 - 135	
Endosulfan II	0.133	0.149	112	61 - 130	
Endosulfan sulfate	0.133	0.139	104	60 - 129	
Endrin	0.133	0.147	110	59 - 133	
Endrin aldehyde	0.133	0.158	118	57 - 131	
Endrin ketone	0.133	0.130	97	57 - 138	
gamma-BHC (Lindane)	0.133	0.155	116	61 - 138	
Heptachlor	0.133	0.154	115	61 - 135	
Heptachlor epoxide	0.133	0.152	114	61 - 129	
Methoxychlor	0.133	0.140	105	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		128		55 - 148	
Tetrachloro-m-xylene		130		55 - 139	

**Lab Control Sample - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID:	LCS 460-378924/2-A	Analysis Batch:	460-378969	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-378924	Lab File ID:	P4195969.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/14/2016 0545	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/13/2016 1809			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.145	109	61 - 140	
4,4'-DDE	0.133	0.152	114	61 - 135	
4,4'-DDT	0.133	0.142	106	59 - 133	
Aldrin	0.133	0.151	114	61 - 133	
alpha-BHC	0.133	0.152	114	61 - 137	
beta-BHC	0.133	0.151	113	59 - 136	
delta-BHC	0.133	0.141	106	60 - 139	
Dieldrin	0.133	0.154	115	61 - 137	
Endosulfan I	0.133	0.150	113	60 - 135	
Endosulfan II	0.133	0.146	109	61 - 130	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: LCS 460-378924/2-A	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-378924	Lab File ID: P4195969.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/14/2016 0545	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1809		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan sulfate	0.133	0.136	102	60 - 129	
Endrin	0.133	0.143	107	59 - 133	
Endrin aldehyde	0.133	0.153	115	57 - 131	
Endrin ketone	0.133	0.129	97	57 - 138	
gamma-BHC (Lindane)	0.133	0.147	110	61 - 138	
Heptachlor	0.133	0.146	110	61 - 135	
Heptachlor epoxide	0.133	0.147	110	61 - 129	
Methoxychlor	0.133	0.137	103	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		126		55 - 148	
Tetrachloro-m-xylene		123		55 - 139	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116815-A-1-D MS	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-378924	Lab File ID: P4195970.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0118 g
Analysis Date: 07/14/2016 0558		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1809		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-116815-A-1-E MSD	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-378924	Lab File ID: P4195971.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0121 g
Analysis Date: 07/14/2016 0612		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1809		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	118	109	61 - 140	8	30		
4,4'-DDE	123	114	61 - 135	8	30		
4,4'-DDT	114	107	59 - 133	7	30		
Aldrin	126	116	61 - 133	8	30		
alpha-BHC	128	120	61 - 137	6	30		
beta-BHC	122	114	59 - 136	7	30		
delta-BHC	120	111	60 - 139	8	30		
Dieldrin	121	113	61 - 137	7	30		
Endosulfan I	119	111	60 - 135	7	30		
Endosulfan II	119	110	61 - 130	8	30		
Endosulfan sulfate	110	104	60 - 129	6	30		
Endrin	116	108	59 - 133	7	30		
Endrin aldehyde	124	116	57 - 131	7	30		
Endrin ketone	104	98	57 - 138	6	30		
gamma-BHC (Lindane)	123	115	61 - 138	7	30		
Heptachlor	122	113	61 - 135	7	30		
Heptachlor epoxide	119	109	61 - 129	9	30		
Methoxychlor	110	105	60 - 129	5	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		128	125			55 - 148	
Tetrachloro-m-xylene		127	127			55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116815-A-1-D MS	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-378924	Lab File ID: P4195970.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0118 g
Analysis Date: 07/14/2016 0558		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1809		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-116815-A-1-E MSD	Analysis Batch: 460-378969	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-378924	Lab File ID: P4195971.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0121 g
Analysis Date: 07/14/2016 0612		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1809		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	116	107	61 - 140	7	30		
4,4'-DDE	119	111	61 - 135	7	30		
4,4'-DDT	114	105	59 - 133	8	30		
Aldrin	121	111	61 - 133	8	30		
alpha-BHC	120	113	61 - 137	6	30		
beta-BHC	120	112	59 - 136	7	30		
delta-BHC	112	104	60 - 139	7	30		
Dieldrin	116	110	61 - 137	6	30		
Endosulfan I	118	110	60 - 135	7	30		
Endosulfan II	115	107	61 - 130	7	30		
Endosulfan sulfate	109	102	60 - 129	7	30		
Endrin	116	108	59 - 133	7	30		
Endrin aldehyde	122	113	57 - 131	8	30		
Endrin ketone	102	96	57 - 138	6	30		
gamma-BHC (Lindane)	117	109	61 - 138	7	30		
Heptachlor	116	107	61 - 135	7	30		
Heptachlor epoxide	115	108	61 - 129	7	30		
Methoxychlor	109	103	60 - 129	6	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		127	122			55 - 148	
Tetrachloro-m-xylene		120	119			55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116815-A-1-D MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0558  
 Prep Date: 07/13/2016 1809  
 Leach Date: N/A

MSD Lab Sample ID: 460-116815-A-1-E MSD  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0612  
 Prep Date: 07/13/2016 1809  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.00093 U	0.141	0.141	0.166	0.154
4,4'-DDE	0.0010 U	0.141	0.141	0.174	0.160
4,4'-DDT	0.00073 U	0.141	0.141	0.162	0.151
Aldrin	0.00086 U	0.141	0.141	0.178	0.164
alpha-BHC	0.00065 U	0.141	0.141	0.181	0.170
beta-BHC	0.00069 U	0.141	0.141	0.172	0.161
delta-BHC	0.00077 U	0.141	0.141	0.169	0.157
Dieldrin	0.00092 U	0.141	0.141	0.171	0.159
Endosulfan I	0.00098 U	0.141	0.141	0.168	0.156
Endosulfan II	0.0011 U	0.141	0.141	0.168	0.155
Endosulfan sulfate	0.00083 U	0.141	0.141	0.155	0.147
Endrin	0.00090 U	0.141	0.141	0.163	0.153
Endrin aldehyde	0.00088 U	0.141	0.141	0.175	0.164
Endrin ketone	0.00098 U	0.141	0.141	0.147	0.138
gamma-BHC (Lindane)	0.00063 U	0.141	0.141	0.174	0.162
Heptachlor	0.00091 U	0.141	0.141	0.172	0.159
Heptachlor epoxide	0.0014 U	0.141	0.141	0.169	0.154
Methoxychlor	0.0015 U	0.141	0.141	0.155	0.148

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378924**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116815-A-1-D MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0558  
 Prep Date: 07/13/2016 1809  
 Leach Date: N/A

MSD Lab Sample ID: 460-116815-A-1-E MSD  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0612  
 Prep Date: 07/13/2016 1809  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.00093	U	0.141	0.141	0.163	0.152
4,4'-DDE	0.0010	U	0.141	0.141	0.168	0.157
4,4'-DDT	0.00073	U	0.141	0.141	0.160	0.149
Aldrin	0.00086	U	0.141	0.141	0.170	0.157
alpha-BHC	0.00065	U	0.141	0.141	0.169	0.159
beta-BHC	0.00069	U	0.141	0.141	0.169	0.158
delta-BHC	0.00077	U	0.141	0.141	0.158	0.147
Dieldrin	0.00092	U	0.141	0.141	0.164	0.155
Endosulfan I	0.00098	U	0.141	0.141	0.167	0.156
Endosulfan II	0.0011	U	0.141	0.141	0.163	0.151
Endosulfan sulfate	0.00083	U	0.141	0.141	0.153	0.144
Endrin	0.00090	U	0.141	0.141	0.163	0.152
Endrin aldehyde	0.00088	U	0.141	0.141	0.172	0.159
Endrin ketone	0.00098	U	0.141	0.141	0.143	0.136
gamma-BHC (Lindane)	0.00063	U	0.141	0.141	0.165	0.154
Heptachlor	0.00091	U	0.141	0.141	0.163	0.152
Heptachlor epoxide	0.0014	U	0.141	0.141	0.163	0.152
Methoxychlor	0.0015	U	0.141	0.141	0.154	0.146

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379172**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: MB 460-379172/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0732  
 Prep Date: 07/14/2016 2315  
 Leach Date: N/A

Analysis Batch: 460-379216  
 Prep Batch: 460-379172  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC4  
 Lab File ID: P4195989.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.00088	U	0.00088	0.0067
4,4'-DDE	0.00097	U	0.00097	0.0067
4,4'-DDT	0.00069	U	0.00069	0.0067
Aldrin	0.00081	U	0.00081	0.0067
alpha-BHC	0.00061	U	0.00061	0.0020
beta-BHC	0.00065	U	0.00065	0.0020
Chlordane	0.030	U	0.030	0.067
delta-BHC	0.00073	U	0.00073	0.0020
Dieldrin	0.00087	U	0.00087	0.0020
Endosulfan I	0.00093	U	0.00093	0.0067
Endosulfan II	0.0011	U	0.0011	0.0067
Endosulfan sulfate	0.00078	U	0.00078	0.0067
Endrin	0.00085	U	0.00085	0.0067
Endrin aldehyde	0.00083	U	0.00083	0.0067
Endrin ketone	0.00093	U	0.00093	0.0067
gamma-BHC (Lindane)	0.00060	U	0.00060	0.0020
Heptachlor	0.00086	U	0.00086	0.0067
Heptachlor epoxide	0.0013	U	0.0013	0.0067
Methoxychlor	0.0014	U	0.0014	0.0067
Toxaphene	0.020	U	0.020	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	118	55 - 148
Tetrachloro-m-xylene	113	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	55 - 148
Tetrachloro-m-xylene	110	55 - 139

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379172**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379172/2-A	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379172	Lab File ID: P4195990.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0746	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2315		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.141	106	61 - 140	
4,4'-DDE	0.133	0.147	111	61 - 135	
4,4'-DDT	0.133	0.139	104	59 - 133	
Aldrin	0.133	0.147	110	61 - 133	
alpha-BHC	0.133	0.153	115	61 - 137	
beta-BHC	0.133	0.148	111	59 - 136	
delta-BHC	0.133	0.139	105	60 - 139	
Dieldrin	0.133	0.145	109	61 - 137	
Endosulfan I	0.133	0.143	107	60 - 135	
Endosulfan II	0.133	0.141	106	61 - 130	
Endosulfan sulfate	0.133	0.135	101	60 - 129	
Endrin	0.133	0.136	102	59 - 133	
Endrin aldehyde	0.133	0.151	113	57 - 131	
Endrin ketone	0.133	0.132	99	57 - 138	
gamma-BHC (Lindane)	0.133	0.146	109	61 - 138	
Heptachlor	0.133	0.143	107	61 - 135	
Heptachlor epoxide	0.133	0.140	105	61 - 129	
Methoxychlor	0.133	0.134	100	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		124		55 - 148	
Tetrachloro-m-xylene		120		55 - 139	

**Lab Control Sample - Batch: 460-379172**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379172/2-A	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379172	Lab File ID: P4195990.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0746	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2315		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.138	104	61 - 140	
4,4'-DDE	0.133	0.142	107	61 - 135	
4,4'-DDT	0.133	0.134	101	59 - 133	
Aldrin	0.133	0.142	106	61 - 133	
alpha-BHC	0.133	0.143	107	61 - 137	
beta-BHC	0.133	0.143	107	59 - 136	
delta-BHC	0.133	0.132	99	60 - 139	
Endosulfan I	0.133	0.141	106	60 - 135	
Endosulfan sulfate	0.133	0.130	97	60 - 129	
Endrin	0.133	0.136	102	59 - 133	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379172**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379172/2-A	Analysis Batch: 460-379216	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379172	Lab File ID: P4195990.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0746	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2315		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin aldehyde	0.133	0.146	110	57 - 131	
Endrin ketone	0.133	0.129	97	57 - 138	
gamma-BHC (Lindane)	0.133	0.139	104	61 - 138	
Heptachlor	0.133	0.137	103	61 - 135	
Heptachlor epoxide	0.133	0.137	103	61 - 129	
Methoxychlor	0.133	0.131	98	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		122		55 - 148	
Tetrachloro-m-xylene		116		55 - 139	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379172**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0839  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

Analysis Batch: 460-379216  
Prep Batch: 460-379172  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4195994.D  
Initial Weight/Volume: 15.0121 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0853  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

Analysis Batch: 460-379216  
Prep Batch: 460-379172  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4195995.D  
Initial Weight/Volume: 15.0119 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	101	112	61 - 140	10	30		
4,4'-DDE	103	116	61 - 135	12	30		
4,4'-DDT	100	110	59 - 133	9	30		
Aldrin	104	116	61 - 133	11	30		
alpha-BHC	110	121	61 - 137	10	30		
beta-BHC	104	116	59 - 136	10	30		
delta-BHC	100	112	60 - 139	11	30		
Dieldrin	101	111	61 - 137	9	30		
Endosulfan I	100	112	60 - 135	11	30		
Endosulfan II	100	110	61 - 130	10	30		
Endosulfan sulfate	95	105	60 - 129	10	30		
Endrin	99	109	59 - 133	10	30		
Endrin aldehyde	107	118	57 - 131	10	30		
Endrin ketone	95	103	57 - 138	8	30		
gamma-BHC (Lindane)	103	114	61 - 138	11	30		
Heptachlor	102	115	61 - 135	12	30		
Heptachlor epoxide	100	111	61 - 129	11	30		
Methoxychlor	96	107	60 - 129	11	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		112	122			55 - 148	
Tetrachloro-m-xylene		109	119			55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379172**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0839  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

Analysis Batch: 460-379216  
Prep Batch: 460-379172  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4195994.D  
Initial Weight/Volume: 15.0121 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0853  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

Analysis Batch: 460-379216  
Prep Batch: 460-379172  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4195995.D  
Initial Weight/Volume: 15.0119 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	96	103	61 - 140	7	30		
4,4'-DDE	99	106	61 - 135	7	30		
4,4'-DDT	94	101	59 - 133	7	30		
Aldrin	100	107	61 - 133	7	30		
alpha-BHC	100	106	61 - 137	6	30		
beta-BHC	98	105	59 - 136	7	30		
delta-BHC	93	100	60 - 139	6	30		
Dieldrin	99	108	61 - 137	9	30		
Endosulfan I	99	106	60 - 135	7	30		
Endosulfan II	97	104	61 - 130	7	30		
Endosulfan sulfate	92	98	60 - 129	6	30		
Endrin	96	103	59 - 133	7	30		
Endrin aldehyde	101	108	57 - 131	7	30		
Endrin ketone	92	98	57 - 138	7	30		
gamma-BHC (Lindane)	97	103	61 - 138	7	30		
Heptachlor	96	103	61 - 135	7	30		
Heptachlor epoxide	96	103	61 - 129	7	30		
Methoxychlor	94	100	60 - 129	7	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		109	118			55 - 148	
Tetrachloro-m-xylene		105	112			55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379172**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0839  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 0853  
Prep Date: 07/14/2016 2315  
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0011	U	0.160	0.160	0.162	0.180
4,4'-DDE	0.0012	U	0.160	0.160	0.165	0.186
4,4'-DDT	0.00083	U	0.160	0.160	0.160	0.176
Aldrin	0.00097	U	0.160	0.160	0.167	0.186
alpha-BHC	0.00073	U	0.160	0.160	0.176	0.194
beta-BHC	0.00078	U	0.160	0.160	0.167	0.185
delta-BHC	0.00088	U	0.160	0.160	0.160	0.179
Dieldrin	0.0010	U	0.160	0.160	0.162	0.178
Endosulfan I	0.0011	U	0.160	0.160	0.160	0.179
Endosulfan II	0.0013	U	0.160	0.160	0.159	0.176
Endosulfan sulfate	0.00094	U	0.160	0.160	0.153	0.168
Endrin	0.0010	U	0.160	0.160	0.158	0.175
Endrin aldehyde	0.0010	U	0.160	0.160	0.171	0.189
Endrin ketone	0.0011	U	0.160	0.160	0.152	0.165
gamma-BHC (Lindane)	0.00072	U	0.160	0.160	0.164	0.183
Heptachlor	0.0010	U	0.160	0.160	0.164	0.184
Heptachlor epoxide	0.0016	U	0.160	0.160	0.159	0.178
Methoxychlor	0.0017	U	0.160	0.160	0.154	0.171

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379172**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0839  
 Prep Date: 07/14/2016 2315  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0853  
 Prep Date: 07/14/2016 2315  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0011	U	0.160	0.160	0.153	0.164
4,4'-DDE	0.0012	U	0.160	0.160	0.159	0.170
4,4'-DDT	0.00083	U	0.160	0.160	0.151	0.162
Aldrin	0.00097	U	0.160	0.160	0.160	0.171
alpha-BHC	0.00073	U	0.160	0.160	0.160	0.171
beta-BHC	0.00078	U	0.160	0.160	0.158	0.169
delta-BHC	0.00088	U	0.160	0.160	0.150	0.159
Dieldrin	0.0010	U	0.160	0.160	0.159	0.174
Endosulfan I	0.0011	U	0.160	0.160	0.158	0.169
Endosulfan II	0.0013	U	0.160	0.160	0.156	0.167
Endosulfan sulfate	0.00094	U	0.160	0.160	0.147	0.156
Endrin	0.0010	U	0.160	0.160	0.153	0.164
Endrin aldehyde	0.0010	U	0.160	0.160	0.162	0.173
Endrin ketone	0.0011	U	0.160	0.160	0.147	0.157
gamma-BHC (Lindane)	0.00072	U	0.160	0.160	0.155	0.166
Heptachlor	0.0010	U	0.160	0.160	0.154	0.165
Heptachlor epoxide	0.0016	U	0.160	0.160	0.154	0.165
Methoxychlor	0.0017	U	0.160	0.160	0.151	0.161

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

Lab Sample ID: MB 460-379236/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0817  
 Prep Date: 07/15/2016 0745  
 Leach Date: N/A

Analysis Batch: 460-379549  
 Prep Batch: 460-379236  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC5  
 Lab File ID: 5F001857.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.0050	U	0.0050	0.020
4,4'-DDE	0.0040	U	0.0040	0.020
4,4'-DDT	0.0040	U	0.0040	0.020
Aldrin	0.0040	U	0.0040	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.0050	U	0.0050	0.020
Chlordane	0.13	U	0.13	0.50
delta-BHC	0.0060	U	0.0060	0.020
Dieldrin	0.0040	U	0.0040	0.020
Endosulfan I	0.0050	U	0.0050	0.020
Endosulfan II	0.0040	U	0.0040	0.020
Endosulfan sulfate	0.0050	U	0.0050	0.020
Endrin	0.0040	U	0.0040	0.020
Endrin aldehyde	0.0040	U	0.0040	0.020
Endrin ketone	0.0040	U	0.0040	0.020
gamma-BHC (Lindane)	0.0040	U	0.0040	0.020
Heptachlor	0.0040	U	0.0040	0.020
Heptachlor epoxide	0.0040	U	0.0040	0.020
Methoxychlor	0.0040	U	0.0040	0.020
Toxaphene	0.060	U	0.060	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	16 - 144
Tetrachloro-m-xylene	86	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	16 - 144
Tetrachloro-m-xylene	86	47 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379236**

**Method: 8081B**  
**Preparation: 3510C**

Lab Sample ID: LCS 460-379236/2-A	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-379236	Lab File ID: 5F001858.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 0829	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0745		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.800	0.893	112	61 - 150	
4,4'-DDE	0.800	0.906	113	58 - 150	
4,4'-DDT	0.800	0.815	102	58 - 150	
Aldrin	0.800	0.854	107	60 - 150	
alpha-BHC	0.800	0.911	114	63 - 150	
beta-BHC	0.800	0.925	116	61 - 150	
delta-BHC	0.800	0.794	99	54 - 150	
Dieldrin	0.800	0.907	113	60 - 150	
Endosulfan I	0.800	0.895	112	64 - 150	
Endosulfan II	0.800	0.858	107	62 - 150	
Endosulfan sulfate	0.800	0.819	102	62 - 150	
Endrin	0.800	0.802	100	60 - 150	
Endrin aldehyde	0.800	0.912	114	62 - 150	
Endrin ketone	0.800	0.884	111	64 - 150	
gamma-BHC (Lindane)	0.800	0.905	113	65 - 150	
Heptachlor	0.800	0.846	106	60 - 150	
Heptachlor epoxide	0.800	0.881	110	66 - 150	
Methoxychlor	0.800	0.802	100	52 - 150	
<hr/>					
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		126		16 - 144	
Tetrachloro-m-xylene		124		47 - 150	

**Lab Control Sample - Batch: 460-379236**

**Method: 8081B**  
**Preparation: 3510C**

Lab Sample ID: LCS 460-379236/2-A	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-379236	Lab File ID: 5F001858.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 0829	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0745		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.800	0.816	102	61 - 150	
4,4'-DDE	0.800	0.850	106	58 - 150	
4,4'-DDT	0.800	0.797	100	58 - 150	
Aldrin	0.800	0.802	100	60 - 150	
alpha-BHC	0.800	0.887	111	63 - 150	
beta-BHC	0.800	0.860	108	61 - 150	
delta-BHC	0.800	0.750	94	54 - 150	
Dieldrin	0.800	0.852	107	60 - 150	
Endosulfan I	0.800	0.860	108	64 - 150	
Endosulfan II	0.800	0.813	102	62 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

Lab Sample ID: LCS 460-379236/2-A	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-379236	Lab File ID: 5F001858.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 0829	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0745		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan sulfate	0.800	0.769	96	62 - 150	
Endrin	0.800	0.779	97	60 - 150	
Endrin aldehyde	0.800	0.843	105	62 - 150	
Endrin ketone	0.800	0.803	100	64 - 150	
gamma-BHC (Lindane)	0.800	0.838	105	65 - 150	
Heptachlor	0.800	0.780	97	60 - 150	
Heptachlor epoxide	0.800	0.834	104	66 - 150	
Methoxychlor	0.800	0.759	95	52 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		114		16 - 144	
Tetrachloro-m-xylene		121		47 - 150	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

MS Lab Sample ID: 460-116966-G-4-A MS	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-379236	Lab File ID: 5F001859.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 0842		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0745		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-116966-I-4-A MSD	Analysis Batch: 460-379549	Instrument ID: CPESTGC5
Client Matrix: Water	Prep Batch: 460-379236	Lab File ID: 5F001862.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 0921		Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0745		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	106	119	61 - 150	11	30		
4,4'-DDE	105	113	58 - 150	7	30		
4,4'-DDT	98	108	58 - 150	9	30		
Aldrin	92	97	60 - 150	4	30		
alpha-BHC	104	111	63 - 150	6	30		
beta-BHC	104	112	61 - 150	8	30		
delta-BHC	90	99	54 - 150	9	30		
Dieldrin	106	113	60 - 150	7	30		
Endosulfan I	107	111	64 - 150	3	30		
Endosulfan II	102	113	62 - 150	10	30		
Endosulfan sulfate	98	107	62 - 150	9	30		
Endrin	95	106	60 - 150	12	30		
Endrin aldehyde	110	116	62 - 150	5	30		
Endrin ketone	104	113	64 - 150	9	30		
gamma-BHC (Lindane)	103	111	65 - 150	8	30		
Heptachlor	92	98	60 - 150	7	30		
Heptachlor epoxide	102	106	66 - 150	4	30		
Methoxychlor	94	102	52 - 150	9	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		108	111			16 - 144	
Tetrachloro-m-xylene		105	105			47 - 150	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

MS Lab Sample ID: 460-116966-G-4-A MS  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 0842  
Prep Date: 07/15/2016 0745  
Leach Date: N/A

Analysis Batch: 460-379549  
Prep Batch: 460-379236  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001859.D  
Initial Weight/Volume: 250 mL  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116966-I-4-A MSD  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 0921  
Prep Date: 07/15/2016 0745  
Leach Date: N/A

Analysis Batch: 460-379549  
Prep Batch: 460-379236  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001862.D  
Initial Weight/Volume: 250 mL  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	100	102	61 - 150	2	30		
4,4'-DDE	105	107	58 - 150	2	30		
4,4'-DDT	97	102	58 - 150	5	30		
Aldrin	92	94	60 - 150	2	30		
alpha-BHC	103	106	63 - 150	3	30		
beta-BHC	101	102	61 - 150	1	30		
delta-BHC	89	93	54 - 150	5	30		
Dieldrin	105	106	60 - 150	1	30		
Endosulfan I	104	109	64 - 150	5	30		
Endosulfan II	99	100	62 - 150	1	30		
Endosulfan sulfate	93	103	62 - 150	10	30		
Endrin	92	101	60 - 150	9	30		
Endrin aldehyde	105	109	62 - 150	3	30		
Endrin ketone	98	108	64 - 150	10	30		
gamma-BHC (Lindane)	98	99	65 - 150	1	30		
Heptachlor	89	91	60 - 150	2	30		
Heptachlor epoxide	101	104	66 - 150	3	30		
Methoxychlor	87	102	52 - 150	15	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		101	102			16 - 144	
Tetrachloro-m-xylene		97	101			47 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

MS Lab Sample ID: 460-116966-G-4-A MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0842  
 Prep Date: 07/15/2016 0745  
 Leach Date: N/A

MSD Lab Sample ID: 460-116966-I-4-A MSD  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0921  
 Prep Date: 07/15/2016 0745  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0052 U	0.800	0.800	0.852	0.954
4,4'-DDE	0.0042 U	0.800	0.800	0.841	0.904
4,4'-DDT	0.0042 U	0.800	0.800	0.783	0.861
Aldrin	0.0042 U	0.800	0.800	0.739	0.773
alpha-BHC	0.0063 U	0.800	0.800	0.835	0.887
beta-BHC	0.0052 U	0.800	0.800	0.833	0.899
delta-BHC	0.0063 U	0.800	0.800	0.723	0.791
Dieldrin	0.0042 U	0.800	0.800	0.848	0.907
Endosulfan I	0.0052 U	0.800	0.800	0.858	0.885
Endosulfan II	0.0042 U	0.800	0.800	0.814	0.903
Endosulfan sulfate	0.0052 U	0.800	0.800	0.785	0.855
Endrin	0.0042 U	0.800	0.800	0.758	0.850
Endrin aldehyde	0.0042 U	0.800	0.800	0.877	0.927
Endrin ketone	0.0042 U	0.800	0.800	0.829	0.905
gamma-BHC (Lindane)	0.0042 U	0.800	0.800	0.821	0.885
Heptachlor	0.0042 U	0.800	0.800	0.736	0.787
Heptachlor epoxide	0.0042 U	0.800	0.800	0.818	0.850
Methoxychlor	0.0042 U	0.800	0.800	0.750	0.819

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379236**

**Method: 8081B  
Preparation: 3510C**

MS Lab Sample ID: 460-116966-G-4-A MS      Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0842  
 Prep Date: 07/15/2016 0745  
 Leach Date: N/A

MSD Lab Sample ID: 460-116966-I-4-A MSD  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0921  
 Prep Date: 07/15/2016 0745  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0052 U	0.800	0.800	0.802	0.817
4,4'-DDE	0.0042 U	0.800	0.800	0.838	0.857
4,4'-DDT	0.0042 U	0.800	0.800	0.778	0.818
Aldrin	0.0042 U	0.800	0.800	0.734	0.752
alpha-BHC	0.0063 U	0.800	0.800	0.825	0.852
beta-BHC	0.0052 U	0.800	0.800	0.806	0.818
delta-BHC	0.0063 U	0.800	0.800	0.710	0.744
Dieldrin	0.0042 U	0.800	0.800	0.844	0.852
Endosulfan I	0.0052 U	0.800	0.800	0.829	0.868
Endosulfan II	0.0042 U	0.800	0.800	0.793	0.798
Endosulfan sulfate	0.0052 U	0.800	0.800	0.743	0.825
Endrin	0.0042 U	0.800	0.800	0.739	0.806
Endrin aldehyde	0.0042 U	0.800	0.800	0.842	0.871
Endrin ketone	0.0042 U	0.800	0.800	0.782	0.861
gamma-BHC (Lindane)	0.0042 U	0.800	0.800	0.783	0.792
Heptachlor	0.0042 U	0.800	0.800	0.712	0.729
Heptachlor epoxide	0.0042 U	0.800	0.800	0.811	0.832
Methoxychlor	0.0042 U	0.800	0.800	0.699	0.814

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: MB 460-379394/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1354  
 Prep Date: 07/15/2016 2356  
 Leach Date: N/A

Analysis Batch: 460-379595  
 Prep Batch: 460-379394  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC5  
 Lab File ID: 5F001879.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.00088	U	0.00088	0.0067
4,4'-DDE	0.00097	U	0.00097	0.0067
4,4'-DDT	0.00069	U	0.00069	0.0067
Aldrin	0.00081	U	0.00081	0.0067
alpha-BHC	0.00061	U	0.00061	0.0020
beta-BHC	0.00065	U	0.00065	0.0020
Chlordane	0.030	U	0.030	0.067
delta-BHC	0.00073	U	0.00073	0.0020
Dieldrin	0.00087	U	0.00087	0.0020
Endosulfan I	0.00093	U	0.00093	0.0067
Endosulfan II	0.0011	U	0.0011	0.0067
Endosulfan sulfate	0.00078	U	0.00078	0.0067
Endrin	0.00085	U	0.00085	0.0067
Endrin aldehyde	0.00083	U	0.00083	0.0067
Endrin ketone	0.00093	U	0.00093	0.0067
gamma-BHC (Lindane)	0.00060	U	0.00060	0.0020
Heptachlor	0.00086	U	0.00086	0.0067
Heptachlor epoxide	0.0013	U	0.0013	0.0067
Methoxychlor	0.0014	U	0.0014	0.0067
Toxaphene	0.020	U	0.020	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	118	55 - 148
Tetrachloro-m-xylene	113	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	107	55 - 148
Tetrachloro-m-xylene	112	55 - 139

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: MB 460-379394/1-ARA	Analysis Batch: 460-379777	Instrument ID: CPESTGC5
Client Matrix: Solid	Prep Batch: 460-379394	Lab File ID: 5F001902.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 0806	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/15/2016 2356	Run Type: RA	Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.00088	U	0.00088	0.0067
4,4'-DDE	0.00097	U	0.00097	0.0067
4,4'-DDT	0.00069	U	0.00069	0.0067
Aldrin	0.00081	U	0.00081	0.0067
alpha-BHC	0.00061	U	0.00061	0.0020
beta-BHC	0.00065	U	0.00065	0.0020
Chlordane	0.030	U	0.030	0.067
delta-BHC	0.00073	U	0.00073	0.0020
Dieldrin	0.00087	U	0.00087	0.0020
Endosulfan I	0.00093	U	0.00093	0.0067
Endosulfan II	0.0011	U	0.0011	0.0067
Endosulfan sulfate	0.00078	U	0.00078	0.0067
Endrin	0.00085	U	0.00085	0.0067
Endrin aldehyde	0.00083	U	0.00083	0.0067
Endrin ketone	0.00093	U	0.00093	0.0067
gamma-BHC (Lindane)	0.00060	U	0.00060	0.0020
Heptachlor	0.00086	U	0.00086	0.0067
Heptachlor epoxide	0.0013	U	0.0013	0.0067
Methoxychlor	0.0014	U	0.0014	0.0067
Toxaphene	0.020	U	0.020	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	55 - 148
Tetrachloro-m-xylene	116	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	107	55 - 148
Tetrachloro-m-xylene	112	55 - 139

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Lab Control Sample - Batch: 460-379394

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-379394/2-A	Analysis Batch:	460-379595	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-379394	Lab File ID:	5F001880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/18/2016 1407	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/15/2016 2356			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.152	114	61 - 140	
4,4'-DDE	0.133	0.148	111	61 - 135	
4,4'-DDT	0.133	0.140	105	59 - 133	
Aldrin	0.133	0.141	105	61 - 133	
alpha-BHC	0.133	0.149	111	61 - 137	
beta-BHC	0.133	0.144	108	59 - 136	
delta-BHC	0.133	0.145	108	60 - 139	
Dieldrin	0.133	0.147	110	61 - 137	
Endosulfan I	0.133	0.144	108	60 - 135	
Endosulfan II	0.133	0.143	108	61 - 130	
Endosulfan sulfate	0.133	0.141	106	60 - 129	
Endrin	0.133	0.144	108	59 - 133	
Endrin aldehyde	0.133	0.152	114	57 - 131	
Endrin ketone	0.133	0.146	110	57 - 138	
gamma-BHC (Lindane)	0.133	0.144	108	61 - 138	
Heptachlor	0.133	0.139	104	61 - 135	
Heptachlor epoxide	0.133	0.139	104	61 - 129	
Methoxychlor	0.133	0.135	101	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		125		55 - 148	
Tetrachloro-m-xylene		117		55 - 139	

## Lab Control Sample - Batch: 460-379394

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-379394/2-A	Analysis Batch:	460-379595	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-379394	Lab File ID:	5F001880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/18/2016 1407	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/15/2016 2356			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.135	101	61 - 140	
4,4'-DDE	0.133	0.140	105	61 - 135	
4,4'-DDT	0.133	0.135	101	59 - 133	
Aldrin	0.133	0.137	103	61 - 133	
alpha-BHC	0.133	0.147	110	61 - 137	
beta-BHC	0.133	0.138	103	59 - 136	
delta-BHC	0.133	0.142	106	60 - 139	
Dieldrin	0.133	0.140	105	61 - 137	
Endosulfan I	0.133	0.140	105	60 - 135	
Endosulfan II	0.133	0.133	100	61 - 130	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Lab Control Sample - Batch: 460-379394

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-379394/2-A	Analysis Batch:	460-379595	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-379394	Lab File ID:	5F001880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/18/2016 1407	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/15/2016 2356			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan sulfate	0.133	0.136	102	60 - 129	
Endrin	0.133	0.138	104	59 - 133	
Endrin aldehyde	0.133	0.141	106	57 - 131	
Endrin ketone	0.133	0.135	101	57 - 138	
gamma-BHC (Lindane)	0.133	0.138	104	61 - 138	
Heptachlor	0.133	0.133	100	61 - 135	
Heptachlor epoxide	0.133	0.138	103	61 - 129	
Methoxychlor	0.133	0.131	98	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		114		55 - 148	
Tetrachloro-m-xylene		114		55 - 139	

## Lab Control Sample - Batch: 460-379394

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-379394/2-ARA	Analysis Batch:	460-379777	Instrument ID:	CPESTGC5
Client Matrix:	Solid	Prep Batch:	460-379394	Lab File ID:	5F001903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/19/2016 0819	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/15/2016 2356	Run Type:	RA	Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.150	113	61 - 140	
4,4'-DDE	0.133	0.148	111	61 - 135	
4,4'-DDT	0.133	0.138	104	59 - 133	
Aldrin	0.133	0.143	107	61 - 133	
alpha-BHC	0.133	0.152	114	61 - 137	
beta-BHC	0.133	0.151	113	59 - 136	
delta-BHC	0.133	0.148	111	60 - 139	
Dieldrin	0.133	0.148	111	61 - 137	
Endosulfan I	0.133	0.145	109	60 - 135	
Endosulfan II	0.133	0.143	107	61 - 130	
Endosulfan sulfate	0.133	0.140	105	60 - 129	
Endrin	0.133	0.136	102	59 - 133	
Endrin aldehyde	0.133	0.153	114	57 - 131	
Endrin ketone	0.133	0.145	108	57 - 138	
gamma-BHC (Lindane)	0.133	0.150	112	61 - 138	
Heptachlor	0.133	0.142	107	61 - 135	
Heptachlor epoxide	0.133	0.142	106	61 - 129	
Methoxychlor	0.133	0.132	99	60 - 129	
Surrogate		% Rec		Acceptance Limits	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	125	55 - 148
Tetrachloro-m-xylene	125	55 - 139

**Lab Control Sample - Batch: 460-379394**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379394/2-ARA	Analysis Batch: 460-379777	Instrument ID: CPESTGC5
Client Matrix: Solid	Prep Batch: 460-379394	Lab File ID: 5F001903.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/19/2016 0819	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/15/2016 2356	Run Type: RA	Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.132	99	61 - 140	
4,4'-DDE	0.133	0.140	105	61 - 135	
4,4'-DDT	0.133	0.131	98	59 - 133	
Aldrin	0.133	0.138	104	61 - 133	
alpha-BHC	0.133	0.150	113	61 - 137	
beta-BHC	0.133	0.139	104	59 - 136	
delta-BHC	0.133	0.141	105	60 - 139	
Dieldrin	0.133	0.139	104	61 - 137	
Endosulfan I	0.133	0.139	104	60 - 135	
Endosulfan II	0.133	0.130	97	61 - 130	
Endosulfan sulfate	0.133	0.130	97	60 - 129	
Endrin	0.133	0.131	98	59 - 133	
Endrin aldehyde	0.133	0.137	103	57 - 131	
Endrin ketone	0.133	0.128	96	57 - 138	
gamma-BHC (Lindane)	0.133	0.138	103	61 - 138	
Heptachlor	0.133	0.133	99	61 - 135	
Heptachlor epoxide	0.133	0.137	103	61 - 129	
Methoxychlor	0.133	0.124	93	60 - 129	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	55 - 148
Tetrachloro-m-xylene	120	55 - 139

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1509  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

Analysis Batch: 460-379595  
Prep Batch: 460-379394  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001885.D  
Initial Weight/Volume: 15.0106 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1520  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

Analysis Batch: 460-379595  
Prep Batch: 460-379394  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001886.D  
Initial Weight/Volume: 15.0109 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	109	102	61 - 140	7	30		
4,4'-DDE	109	101	61 - 135	8	30		
4,4'-DDT	104	94	59 - 133	10	30		
Aldrin	108	98	61 - 133	10	30		
alpha-BHC	113	103	61 - 137	9	30		
beta-BHC	111	103	59 - 136	8	30		
delta-BHC	112	102	60 - 139	10	30		
Dieldrin	108	101	61 - 137	7	30		
Endosulfan I	107	98	60 - 135	9	30		
Endosulfan II	103	96	61 - 130	7	30		
Endosulfan sulfate	106	97	60 - 129	9	30		
Endrin	107	95	59 - 133	12	30		
Endrin aldehyde	112	105	57 - 131	6	30		
Endrin ketone	109	99	57 - 138	10	30		
gamma-BHC (Lindane)	110	102	61 - 138	8	30		
Heptachlor	106	97	61 - 135	9	30		
Heptachlor epoxide	107	98	61 - 129	8	30		
Methoxychlor	105	94	60 - 129	10	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		117	112			55 - 148	
Tetrachloro-m-xylene		114	106			55 - 139	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1509  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

Analysis Batch: 460-379595  
Prep Batch: 460-379394  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001885.D  
Initial Weight/Volume: 15.0106 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1520  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

Analysis Batch: 460-379595  
Prep Batch: 460-379394  
Leach Batch: N/A

Instrument ID: CPESTGC5  
Lab File ID: 5F001886.D  
Initial Weight/Volume: 15.0109 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	105	94	61 - 140	11	30		
4,4'-DDE	107	96	61 - 135	11	30		
4,4'-DDT	101	94	59 - 133	8	30		
Aldrin	105	96	61 - 133	9	30		
alpha-BHC	111	101	61 - 137	10	30		
beta-BHC	110	99	59 - 136	11	30		
delta-BHC	110	101	60 - 139	8	30		
Dieldrin	108	97	61 - 137	11	30		
Endosulfan I	106	96	60 - 135	9	30		
Endosulfan II	102	92	61 - 130	10	30		
Endosulfan sulfate	105	95	60 - 129	10	30		
Endrin	104	95	59 - 133	9	30		
Endrin aldehyde	110	99	57 - 131	11	30		
Endrin ketone	106	94	57 - 138	12	30		
gamma-BHC (Lindane)	108	97	61 - 138	10	30		
Heptachlor	105	96	61 - 135	9	30		
Heptachlor epoxide	105	95	61 - 129	10	30		
Methoxychlor	101	90	60 - 129	12	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		110	103			55 - 148	
Tetrachloro-m-xylene		111	103			55 - 139	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1509  
 Prep Date: 07/15/2016 2356  
 Leach Date: N/A

MSD Lab Sample ID: 460-116922-5  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1520  
 Prep Date: 07/15/2016 2356  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0010 U	0.153	0.153	0.167	0.155
4,4'-DDE	0.0011 U	0.153	0.153	0.166	0.154
4,4'-DDT	0.00079 U	0.153	0.153	0.159	0.144
Aldrin	0.00093 U	0.153	0.153	0.165	0.149
alpha-BHC	0.00070 U	0.153	0.153	0.172	0.157
beta-BHC	0.00074 U	0.153	0.153	0.170	0.157
delta-BHC	0.00083 U	0.153	0.153	0.171	0.155
Dieldrin	0.0010 U	0.153	0.153	0.165	0.154
Endosulfan I	0.0011 U	0.153	0.153	0.163	0.149
Endosulfan II	0.0012 U	0.153	0.153	0.157	0.147
Endosulfan sulfate	0.00089 U	0.153	0.153	0.162	0.148
Endrin	0.00097 U	0.153	0.153	0.163	0.145
Endrin aldehyde	0.00095 U	0.153	0.153	0.170	0.160
Endrin ketone	0.0011 U	0.153	0.153	0.167	0.152
gamma-BHC (Lindane)	0.00069 U	0.153	0.153	0.168	0.155
Heptachlor	0.00098 U	0.153	0.153	0.161	0.148
Heptachlor epoxide	0.0015 U	0.153	0.153	0.163	0.150
Methoxychlor	0.0016 U	0.153	0.153	0.160	0.144

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379394**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1509  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1520  
Prep Date: 07/15/2016 2356  
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0010	U	0.153	0.153	0.160	0.143
4,4'-DDE	0.0011	U	0.153	0.153	0.163	0.146
4,4'-DDT	0.00079	U	0.153	0.153	0.155	0.143
Aldrin	0.00093	U	0.153	0.153	0.161	0.147
alpha-BHC	0.00070	U	0.153	0.153	0.170	0.153
beta-BHC	0.00074	U	0.153	0.153	0.168	0.151
delta-BHC	0.00083	U	0.153	0.153	0.168	0.154
Dieldrin	0.0010	U	0.153	0.153	0.165	0.148
Endosulfan I	0.0011	U	0.153	0.153	0.162	0.147
Endosulfan II	0.0012	U	0.153	0.153	0.155	0.140
Endosulfan sulfate	0.00089	U	0.153	0.153	0.160	0.145
Endrin	0.00097	U	0.153	0.153	0.159	0.145
Endrin aldehyde	0.00095	U	0.153	0.153	0.168	0.151
Endrin ketone	0.0011	U	0.153	0.153	0.162	0.144
gamma-BHC (Lindane)	0.00069	U	0.153	0.153	0.165	0.148
Heptachlor	0.00098	U	0.153	0.153	0.160	0.146
Heptachlor epoxide	0.0015	U	0.153	0.153	0.161	0.145
Methoxychlor	0.0016	U	0.153	0.153	0.155	0.137

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379501**

**Method: 8081B  
Preparation: 3546**

Lab Sample ID: MB 460-379501/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0752  
 Prep Date: 07/18/2016 0214  
 Leach Date: N/A

Analysis Batch: 460-379548  
 Prep Batch: 460-379501  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC4  
 Lab File ID: P4196051.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	0.00088	U	0.00088	0.0067
4,4'-DDE	0.00097	U	0.00097	0.0067
4,4'-DDT	0.00069	U	0.00069	0.0067
Aldrin	0.00081	U	0.00081	0.0067
alpha-BHC	0.00061	U	0.00061	0.0020
beta-BHC	0.00065	U	0.00065	0.0020
Chlordane	0.030	U	0.030	0.067
delta-BHC	0.00073	U	0.00073	0.0020
Dieldrin	0.00087	U	0.00087	0.0020
Endosulfan I	0.00093	U	0.00093	0.0067
Endosulfan II	0.0011	U	0.0011	0.0067
Endosulfan sulfate	0.00078	U	0.00078	0.0067
Endrin	0.00085	U	0.00085	0.0067
Endrin aldehyde	0.00083	U	0.00083	0.0067
Endrin ketone	0.00093	U	0.00093	0.0067
gamma-BHC (Lindane)	0.00060	U	0.00060	0.0020
Heptachlor	0.00086	U	0.00086	0.0067
Heptachlor epoxide	0.0013	U	0.0013	0.0067
Methoxychlor	0.0014	U	0.0014	0.0067
Toxaphene	0.020	U	0.020	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	55 - 148
Tetrachloro-m-xylene	95	55 - 139

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	55 - 148
Tetrachloro-m-xylene	91	55 - 139

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379501**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379501/2-A	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379501	Lab File ID: P4196052.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 0805	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/18/2016 0214		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.0944	71	61 - 140	
4,4'-DDE	0.133	0.0985	74	61 - 135	
4,4'-DDT	0.133	0.0879	66	59 - 133	
Aldrin	0.133	0.0977	73	61 - 133	
alpha-BHC	0.133	0.103	77	61 - 137	
beta-BHC	0.133	0.102	76	59 - 136	
delta-BHC	0.133	0.0924	69	60 - 139	
Dieldrin	0.133	0.0979	73	61 - 137	
Endosulfan I	0.133	0.0961	72	60 - 135	
Endosulfan II	0.133	0.0953	72	61 - 130	
Endosulfan sulfate	0.133	0.0866	65	60 - 129	
Endrin	0.133	0.0902	68	59 - 133	
Endrin aldehyde	0.133	0.101	75	57 - 131	
Endrin ketone	0.133	0.0869	65	57 - 138	
gamma-BHC (Lindane)	0.133	0.0997	75	61 - 138	
Heptachlor	0.133	0.0949	71	61 - 135	
Heptachlor epoxide	0.133	0.0943	71	61 - 129	
Methoxychlor	0.133	0.0860	65	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		79		55 - 148	
Tetrachloro-m-xylene		81		55 - 139	

**Lab Control Sample - Batch: 460-379501**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379501/2-A	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379501	Lab File ID: P4196052.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 0805	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/18/2016 0214		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.133	0.0916	69	61 - 140	
4,4'-DDE	0.133	0.0964	72	61 - 135	
4,4'-DDT	0.133	0.0875	66	59 - 133	
Aldrin	0.133	0.0968	73	61 - 133	
alpha-BHC	0.133	0.0981	74	61 - 137	
beta-BHC	0.133	0.0981	74	59 - 136	
delta-BHC	0.133	0.0880	66	60 - 139	
Dieldrin	0.133	0.0932	70	61 - 137	
Endosulfan I	0.133	0.0954	72	60 - 135	
Endosulfan II	0.133	0.0915	69	61 - 130	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379501**

**Method: 8081B**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379501/2-A	Analysis Batch: 460-379548	Instrument ID: CPESTGC4
Client Matrix: Solid	Prep Batch: 460-379501	Lab File ID: P4196052.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 0805	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/18/2016 0214		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan sulfate	0.133	0.0866	65	60 - 129	
Endrin	0.133	0.0871	65	59 - 133	
Endrin aldehyde	0.133	0.0999	75	57 - 131	
Endrin ketone	0.133	0.0864	65	57 - 138	
gamma-BHC (Lindane)	0.133	0.0947	71	61 - 138	
Heptachlor	0.133	0.0925	69	61 - 135	
Heptachlor epoxide	0.133	0.0939	70	61 - 129	
Methoxychlor	0.133	0.0834	63	60 - 129	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		78		55 - 148	
Tetrachloro-m-xylene		76		55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379501**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0859  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

Analysis Batch: 460-379548  
Prep Batch: 460-379501  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4196056.D  
Initial Weight/Volume: 15.0073 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0912  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

Analysis Batch: 460-379548  
Prep Batch: 460-379501  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4196057.D  
Initial Weight/Volume: 15.0056 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	91	85	61 - 140	8	30		
4,4'-DDE	92	88	61 - 135	5	30		
4,4'-DDT	87	81	59 - 133	8	30		
Aldrin	95	87	61 - 133	8	30		
alpha-BHC	96	90	61 - 137	6	30		
beta-BHC	95	87	59 - 136	9	30		
delta-BHC	89	82	60 - 139	8	30		
Dieldrin	90	84	61 - 137	7	30		
Endosulfan I	90	85	60 - 135	5	30		
Endosulfan II	89	83	61 - 130	7	30		
Endosulfan sulfate	87	79	60 - 129	10	30		
Endrin	88	81	59 - 133	8	30		
Endrin aldehyde	98	89	57 - 131	9	30		
Endrin ketone	88	78	57 - 138	12	30		
gamma-BHC (Lindane)	94	86	61 - 138	8	30		
Heptachlor	91	84	61 - 135	8	30		
Heptachlor epoxide	91	84	61 - 129	8	30		
Methoxychlor	88	80	60 - 129	10	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		100	87			55 - 148	
Tetrachloro-m-xylene		100	89			55 - 139	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379501**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0859  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

Analysis Batch: 460-379548  
Prep Batch: 460-379501  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4196056.D  
Initial Weight/Volume: 15.0073 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0912  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

Analysis Batch: 460-379548  
Prep Batch: 460-379501  
Leach Batch: N/A

Instrument ID: CPESTGC4  
Lab File ID: P4196057.D  
Initial Weight/Volume: 15.0056 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
4,4'-DDD	85	81	61 - 140	6	30		
4,4'-DDE	88	81	61 - 135	8	30		
4,4'-DDT	81	76	59 - 133	6	30		
Aldrin	88	82	61 - 133	6	30		
alpha-BHC	88	82	61 - 137	8	30		
beta-BHC	88	82	59 - 136	7	30		
delta-BHC	81	75	60 - 139	7	30		
Dieldrin	89	83	61 - 137	7	30		
Endosulfan I	87	81	60 - 135	8	30		
Endosulfan II	86	81	61 - 130	5	30		
Endosulfan sulfate	80	75	60 - 129	7	30		
Endrin	84	78	59 - 133	7	30		
Endrin aldehyde	89	84	57 - 131	6	30		
Endrin ketone	79	74	57 - 138	6	30		
gamma-BHC (Lindane)	86	80	61 - 138	7	30		
Heptachlor	84	79	61 - 135	7	30		
Heptachlor epoxide	85	79	61 - 129	7	30		
Methoxychlor	81	76	60 - 129	7	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
DCB Decachlorobiphenyl		99	85			55 - 148	
Tetrachloro-m-xylene		94	82			55 - 139	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379501**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0859  
 Prep Date: 07/18/2016 0214  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0912  
 Prep Date: 07/18/2016 0214  
 Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0010	U	0.157	0.157	0.144	0.133
4,4'-DDE	0.0011	U	0.157	0.157	0.145	0.138
4,4'-DDT	0.00081	U	0.157	0.157	0.137	0.127
Aldrin	0.00095	U	0.157	0.157	0.149	0.137
alpha-BHC	0.00072	U	0.157	0.157	0.151	0.141
beta-BHC	0.00077	U	0.157	0.157	0.150	0.136
delta-BHC	0.00086	U	0.157	0.157	0.140	0.129
Dieldrin	0.0010	U	0.157	0.157	0.141	0.132
Endosulfan I	0.0011	U	0.157	0.157	0.141	0.133
Endosulfan II	0.0012	U	0.157	0.157	0.140	0.130
Endosulfan sulfate	0.00092	U	0.157	0.157	0.136	0.124
Endrin	0.0010	U	0.157	0.157	0.138	0.127
Endrin aldehyde	0.00098	U	0.157	0.157	0.153	0.140
Endrin ketone	0.0011	U	0.157	0.157	0.138	0.123
gamma-BHC (Lindane)	0.00071	U	0.157	0.157	0.147	0.136
Heptachlor	0.0010	U	0.157	0.157	0.144	0.133
Heptachlor epoxide	0.0015	U	0.157	0.157	0.143	0.132
Methoxychlor	0.0017	U	0.157	0.157	0.138	0.126

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379501**

**Method: 8081B  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0859  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0912  
Prep Date: 07/18/2016 0214  
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	0.0010	U	0.157	0.157	0.134	0.127
4,4'-DDE	0.0011	U	0.157	0.157	0.138	0.128
4,4'-DDT	0.00081	U	0.157	0.157	0.127	0.120
Aldrin	0.00095	U	0.157	0.157	0.138	0.129
alpha-BHC	0.00072	U	0.157	0.157	0.139	0.129
beta-BHC	0.00077	U	0.157	0.157	0.139	0.129
delta-BHC	0.00086	U	0.157	0.157	0.127	0.118
Dieldrin	0.0010	U	0.157	0.157	0.140	0.130
Endosulfan I	0.0011	U	0.157	0.157	0.137	0.127
Endosulfan II	0.0012	U	0.157	0.157	0.135	0.128
Endosulfan sulfate	0.00092	U	0.157	0.157	0.126	0.117
Endrin	0.0010	U	0.157	0.157	0.131	0.123
Endrin aldehyde	0.00098	U	0.157	0.157	0.139	0.131
Endrin ketone	0.0011	U	0.157	0.157	0.124	0.117
gamma-BHC (Lindane)	0.00071	U	0.157	0.157	0.134	0.125
Heptachlor	0.0010	U	0.157	0.157	0.132	0.123
Heptachlor epoxide	0.0015	U	0.157	0.157	0.133	0.124
Methoxychlor	0.0017	U	0.157	0.157	0.128	0.119

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-378807

## Method: 8082A Preparation: 3510C

Lab Sample ID: MB 460-378807/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 1547  
 Prep Date: 07/13/2016 0821  
 Leach Date: N/A

Analysis Batch: 460-378903  
 Prep Batch: 460-378807  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC11  
 Lab File ID: T1330538.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.098	U	0.098	0.40
Aroclor 1221	0.098	U	0.098	0.40
Aroclor 1232	0.098	U	0.098	0.40
Aroclor 1242	0.098	U	0.098	0.40
Aroclor 1248	0.098	U	0.098	0.40
Aroclor 1254	0.084	U	0.084	0.40
Aroclor 1260	0.084	U	0.084	0.40
Aroclor 1262	0.084	U	0.084	0.40
Aroclor 1268	0.084	U	0.084	0.40
Polychlorinated biphenyls, Total	0.098	U	0.098	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	10 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	10 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378807**

**Method: 8082A**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378807/2-A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-378807	Lab File ID: T1330539.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1602	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0821		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-378807/3-A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-378807	Lab File ID: T1330540.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1616	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0821		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aroclor 1016	137	134	74 - 150	3	30		
Aroclor 1260	132	131	65 - 150	1	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	105		104	10 - 150			

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-378807**

**Method: 8082A**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378807/2-A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-378807	Lab File ID: T1330539.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1602	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0821		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 460-378807/3-A	Analysis Batch: 460-378903	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-378807	Lab File ID: T1330540.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/13/2016 1616	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/13/2016 0821		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aroclor 1016	136	132	74 - 150	3	30		
Aroclor 1260	131	127	65 - 150	3	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	104		103	10 - 150			

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378807**

**Method: 8082A  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378807/2-A      Units: ug/L  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1602  
Prep Date: 07/13/2016 0821  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378807/3-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1616  
Prep Date: 07/13/2016 0821  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aroclor 1016	4.00	4.00	5.50	5.35
Aroclor 1260	4.00	4.00	5.27	5.23

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-378807**

**Method: 8082A  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-378807/2-A      Units: ug/L  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1602  
Prep Date: 07/13/2016 0821  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-378807/3-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1616  
Prep Date: 07/13/2016 0821  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aroclor 1016	4.00	4.00	5.46	5.30
Aroclor 1260	4.00	4.00	5.24	5.10

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378922**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: MB 460-378922/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0516  
 Prep Date: 07/13/2016 1805  
 Leach Date: N/A

Analysis Batch: 460-378970  
 Prep Batch: 460-378922  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC11  
 Lab File ID: T1330578.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	108	47 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	47 - 150

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Lab Control Sample - Batch: 460-378922

**Method: 8082A**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-378922/2-A	Analysis Batch:	460-378970	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-378922	Lab File ID:	T1330579.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/14/2016 0531	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/13/2016 1805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.439	132	70 - 149	
Aroclor 1260	0.333	0.430	129	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		119		47 - 150	

## Lab Control Sample - Batch: 460-378922

**Method: 8082A**  
**Preparation: 3546**

Lab Sample ID:	LCS 460-378922/2-A	Analysis Batch:	460-378970	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-378922	Lab File ID:	T1330579.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/14/2016 0531	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/13/2016 1805			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.413	124	70 - 149	
Aroclor 1260	0.333	0.403	121	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		94		47 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378922**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116794-B-1-E MS	Analysis Batch: 460-378970	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-378922	Lab File ID: T1330580.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0119 g
Analysis Date: 07/14/2016 0545		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-116794-B-1-F MSD	Analysis Batch: 460-378970	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-378922	Lab File ID: T1330581.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0121 g
Analysis Date: 07/14/2016 0600		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	144	134	70 - 149	7	30		
Aroclor 1260	138	128	71 - 150	8	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	127		120	47 - 150			

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378922**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116794-B-1-E MS	Analysis Batch: 460-378970	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-378922	Lab File ID: T1330580.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0119 g
Analysis Date: 07/14/2016 0545		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-116794-B-1-F MSD	Analysis Batch: 460-378970	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-378922	Lab File ID: T1330581.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0121 g
Analysis Date: 07/14/2016 0600		Final Weight/Volume: 10 mL
Prep Date: 07/13/2016 1805		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	136	129	70 - 149	6	30		
Aroclor 1260	132	126	71 - 150	5	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	105		104	47 - 150			

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378922**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116794-B-1-E MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0545  
 Prep Date: 07/13/2016 1805  
 Leach Date: N/A

MSD Lab Sample ID: 460-116794-B-1-F MSD  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0600  
 Prep Date: 07/13/2016 1805  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.026 U	0.964	0.964	1.38	1.29
Aroclor 1260	0.027 U	0.964	0.964	1.33	1.23

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-378922**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116794-B-1-E MS      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0545  
 Prep Date: 07/13/2016 1805  
 Leach Date: N/A

MSD Lab Sample ID: 460-116794-B-1-F MSD  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 0600  
 Prep Date: 07/13/2016 1805  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.026 U	0.964	0.964	1.31	1.24
Aroclor 1260	0.027 U	0.964	0.964	1.28	1.21

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: MB 460-379169/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 0911  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

Analysis Batch: 460-379213  
 Prep Batch: 460-379169  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC11  
 Lab File ID: T1330601.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	130	47 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	126	47 - 150

**Method Blank - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: MB 460-379169/1-ARA  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1647  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

Analysis Batch: 460-379213  
 Prep Batch: 460-379169  
 Leach Batch: N/A  
 Units: mg/Kg  
 Run Type: RA

Instrument ID: CPESTGC11  
 Lab File ID: T1330630.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	131	47 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	128	47 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: LCS 460-379169/2-A	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-379169	Lab File ID: T1330602.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 0925	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2207		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.420	126	70 - 149	
Aroclor 1260	0.333	0.412	124	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		117		47 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		113		47 - 150	

**Lab Control Sample - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: LCS 460-379169/2-ARA	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-379169	Lab File ID: T1330629.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 1632	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2207	Run Type: RA	Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.405	121	70 - 149	
Aroclor 1260	0.333	0.405	121	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		115		47 - 150	

**Lab Control Sample - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: LCS 460-379169/2-ARA	Analysis Batch: 460-379213	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-379169	Lab File ID: T1330629.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/15/2016 1632	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/14/2016 2207	Run Type: RA	Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.390	117	70 - 149	
Aroclor 1260	0.333	0.393	118	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		111		47 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 1108  
Prep Date: 07/14/2016 2207  
Leach Date: N/A

Analysis Batch: 460-379213  
Prep Batch: 460-379169  
Leach Batch: N/A

Instrument ID: CPESTGC11  
Lab File ID: T1330607.D  
Initial Weight/Volume: 15.0127 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 1122  
Prep Date: 07/14/2016 2207  
Leach Date: N/A

Analysis Batch: 460-379213  
Prep Batch: 460-379169  
Leach Batch: N/A

Instrument ID: CPESTGC11  
Lab File ID: T1330608.D  
Initial Weight/Volume: 15.0123 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	146	137	70 - 149	6	30		
Aroclor 1260	146	137	71 - 150	6	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	133		126	47 - 150			

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 1108  
Prep Date: 07/14/2016 2207  
Leach Date: N/A

Analysis Batch: 460-379213  
Prep Batch: 460-379169  
Leach Batch: N/A

Instrument ID: CPESTGC11  
Lab File ID: T1330607.D  
Initial Weight/Volume: 15.0127 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/15/2016 1122  
Prep Date: 07/14/2016 2207  
Leach Date: N/A

Analysis Batch: 460-379213  
Prep Batch: 460-379169  
Leach Batch: N/A

Instrument ID: CPESTGC11  
Lab File ID: T1330608.D  
Initial Weight/Volume: 15.0123 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	138	135	70 - 149	3	30		
Aroclor 1260	141	134	71 - 150	5	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	132		126	47 - 150			

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1108  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1122  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.011 U	0.401	0.401	0.585	0.549
Aroclor 1260	0.011 U	0.401	0.401	0.586	0.551

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379169**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116858-9                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1108  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

MSD Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1122  
 Prep Date: 07/14/2016 2207  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.011 U	0.401	0.401	0.554	0.539
Aroclor 1260	0.011 U	0.401	0.401	0.564	0.538

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379239**

**Method: 8082A  
Preparation: 3510C**

Lab Sample ID: MB 460-379239/1-A  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1258  
 Prep Date: 07/15/2016 0750  
 Leach Date: N/A

Analysis Batch: 460-379554  
 Prep Batch: 460-379239  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: CPESTGC11  
 Lab File ID: T1330609.D  
 Initial Weight/Volume: 250 mL  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.098	U	0.098	0.40
Aroclor 1221	0.098	U	0.098	0.40
Aroclor 1232	0.098	U	0.098	0.40
Aroclor 1242	0.098	U	0.098	0.40
Aroclor 1248	0.098	U	0.098	0.40
Aroclor 1254	0.084	U	0.084	0.40
Aroclor 1260	0.084	U	0.084	0.40
Aroclor 1262	0.084	U	0.084	0.40
Aroclor 1268	0.084	U	0.084	0.40
Polychlorinated biphenyls, Total	0.098	U	0.098	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	100	10 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	10 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379239**

**Method: 8082A**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-379239/2-A	Analysis Batch: 460-379554	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-379239	Lab File ID: T1330610.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 1313	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0750		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-379239/3-A	Analysis Batch: 460-379554	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-379239	Lab File ID: T1330611.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 1327	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0750		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aroclor 1016	120	106	74 - 150	12	30		
Aroclor 1260	113	100	65 - 150	12	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	106		94	10 - 150			

**Lab Control Sample/**

**Lab Control Sample Duplicate Recovery Report - Batch: 460-379239**

**Method: 8082A**

**Preparation: 3510C**

LCS Lab Sample ID: LCS 460-379239/2-A	Analysis Batch: 460-379554	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-379239	Lab File ID: T1330610.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 1313	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0750		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 460-379239/3-A	Analysis Batch: 460-379554	Instrument ID: CPESTGC11
Client Matrix: Water	Prep Batch: 460-379239	Lab File ID: T1330611.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 250 mL
Analysis Date: 07/18/2016 1327	Units: ug/L	Final Weight/Volume: 1 mL
Prep Date: 07/15/2016 0750		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aroclor 1016	110	98	74 - 150	12	30		
Aroclor 1260	105	95	65 - 150	10	30		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	99		86	10 - 150			

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379239**

**Method: 8082A  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-379239/2-A      Units: ug/L  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1313  
Prep Date: 07/15/2016 0750  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379239/3-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1327  
Prep Date: 07/15/2016 0750  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aroclor 1016	4.00	4.00	4.78	4.22
Aroclor 1260	4.00	4.00	4.52	4.00

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-379239**

**Method: 8082A  
Preparation: 3510C**

LCS Lab Sample ID: LCS 460-379239/2-A      Units: ug/L  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1313  
Prep Date: 07/15/2016 0750  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-379239/3-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1327  
Prep Date: 07/15/2016 0750  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aroclor 1016	4.00	4.00	4.41	3.92
Aroclor 1260	4.00	4.00	4.21	3.81

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379397**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: MB 460-379397/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1158  
 Prep Date: 07/15/2016 2359  
 Leach Date: N/A

Analysis Batch: 460-379556  
 Prep Batch: 460-379397  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC8  
 Lab File ID: 8F012774.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	141	47 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	123	47 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379397**

**Method: 8082A**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379397/2-A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-379397	Lab File ID: 8F012775.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 1214	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/15/2016 2359		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.445	133	70 - 149	
Aroclor 1260	0.333	0.449	135	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		143		47 - 150	

**Lab Control Sample - Batch: 460-379397**

**Method: 8082A**  
**Preparation: 3546**

Lab Sample ID: LCS 460-379397/2-A	Analysis Batch: 460-379556	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-379397	Lab File ID: 8F012775.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 1214	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/15/2016 2359		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.439	132	70 - 149	
Aroclor 1260	0.333	0.438	131	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		120		47 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379397**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1249  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analysis Batch: 460-379556  
Prep Batch: 460-379397  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012777.D  
Initial Weight/Volume: 15.0110 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1305  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analysis Batch: 460-379556  
Prep Batch: 460-379397  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012778.D  
Initial Weight/Volume: 15.0112 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	148	138	70 - 149	7	30		
Aroclor 1260	152	141	71 - 150	8	30	F1	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	148		130	47 - 150			

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379397**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1249  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analysis Batch: 460-379556  
Prep Batch: 460-379397  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012777.D  
Initial Weight/Volume: 15.0110 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1305  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analysis Batch: 460-379556  
Prep Batch: 460-379397  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012778.D  
Initial Weight/Volume: 15.0112 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	134	122	70 - 149	9	30		
Aroclor 1260	139	127	71 - 150	10	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	127		126	47 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379397

Method: 8082A  
Preparation: 3546

MS Lab Sample ID: 460-116922-5                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1249  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1305  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.010 U	0.381	0.381	0.565	0.526
Aroclor 1260	0.011 U	0.381	0.381	0.581 F1	0.536

Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379397

Method: 8082A  
Preparation: 3546

MS Lab Sample ID: 460-116922-5                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1249  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

MSD Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1305  
Prep Date: 07/15/2016 2359  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.010 U	0.381	0.381	0.510	0.464
Aroclor 1260	0.011 U	0.381	0.381	0.531	0.483

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: MB 460-379502/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1618  
 Prep Date: 07/18/2016 0219  
 Leach Date: N/A

Analysis Batch: 460-379648  
 Prep Batch: 460-379502  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: CPESTGC8  
 Lab File ID: 8F012790.D  
 Initial Weight/Volume: 15.0000 g  
 Final Weight/Volume: 10 mL  
 Injection Volume: 1 uL  
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	134	47 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	47 - 150

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: LCS 460-379502/2-A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-379502	Lab File ID: 8F012791.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 1634	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/18/2016 0219		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.469	141	70 - 149	
Aroclor 1260	0.333	0.478	143	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		140		47 - 150	

**Lab Control Sample - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

Lab Sample ID: LCS 460-379502/2-A	Analysis Batch: 460-379648	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-379502	Lab File ID: 8F012791.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0000 g
Analysis Date: 07/18/2016 1634	Units: mg/Kg	Final Weight/Volume: 10 mL
Prep Date: 07/18/2016 0219		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.440	132	70 - 149	
Aroclor 1260	0.333	0.460	138	71 - 150	
Surrogate		% Rec		Acceptance Limits	
DCB Decachlorobiphenyl		139		47 - 150	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1650  
Prep Date: 07/18/2016 0219  
Leach Date: N/A

Analysis Batch: 460-379648  
Prep Batch: 460-379502  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012792.D  
Initial Weight/Volume: 15.0087 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1706  
Prep Date: 07/18/2016 0219  
Leach Date: N/A

Analysis Batch: 460-379648  
Prep Batch: 460-379502  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012793.D  
Initial Weight/Volume: 15.0053 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	137	138	70 - 149	1	30		
Aroclor 1260	137	136	71 - 150	1	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	117		81	47 - 150			

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1650  
Prep Date: 07/18/2016 0219  
Leach Date: N/A

Analysis Batch: 460-379648  
Prep Batch: 460-379502  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012792.D  
Initial Weight/Volume: 15.0087 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

MSD Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 1706  
Prep Date: 07/18/2016 0219  
Leach Date: N/A

Analysis Batch: 460-379648  
Prep Batch: 460-379502  
Leach Batch: N/A

Instrument ID: CPESTGC8  
Lab File ID: 8F012793.D  
Initial Weight/Volume: 15.0053 g  
Final Weight/Volume: 10 mL  
Injection Volume: 1 uL  
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	123	123	70 - 149	0	30		
Aroclor 1260	129	126	71 - 150	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	116		79	47 - 150			

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1650  
 Prep Date: 07/18/2016 0219  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1706  
 Prep Date: 07/18/2016 0219  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.010 U	0.393	0.393	0.539	0.544
Aroclor 1260	0.011 U	0.393	0.393	0.540	0.536

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-379502**

**Method: 8082A  
Preparation: 3546**

MS Lab Sample ID: 460-116994-8                      Units: mg/Kg  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1650  
 Prep Date: 07/18/2016 0219  
 Leach Date: N/A

MSD Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 1706  
 Prep Date: 07/18/2016 0219  
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.010 U	0.393	0.393	0.484	0.483
Aroclor 1260	0.011 U	0.393	0.393	0.506	0.495

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-378796

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID:	MB 460-378796/1-A ^20	Analysis Batch:	460-379057	Instrument ID:	ICPMS2
Client Matrix:	Solid	Prep Batch:	460-378796	Lab File ID:	0496CCB.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	07/14/2016 0201	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/13/2016 0728				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	7.4	U	7.4	20.0
Antimony	0.41	U	0.41	1.0
Arsenic	0.45	U	0.45	1.0
Barium	0.66	U	0.66	2.0
Beryllium	0.13	U	0.13	0.40
Cadmium	0.31	U	0.31	1.0
Calcium	35.8	U	35.8	100
Chromium	0.78	U	0.78	2.0
Cobalt	0.77	U	0.77	2.0
Copper	0.67	U	0.67	2.0
Iron	25.9	U	25.9	60.0
Lead	0.22	U	0.22	0.60
Magnesium	35.9	U	35.9	100
Manganese	1.6	U	1.6	4.0
Nickel	0.78	U	0.78	2.0
Potassium	34.0	U	34.0	100
Selenium	0.39	U	0.39	5.0
Silver	0.75	U	0.75	1.0
Thallium	0.16	U	0.16	0.40
Vanadium	0.77	U	0.77	2.0
Zinc	2.4	U	2.4	8.0

## Method Blank - Batch: 460-378796

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID:	MB 460-378796/1-A ^20	Analysis Batch:	460-379259	Instrument ID:	ICPMS2
Client Matrix:	Solid	Prep Batch:	460-378796	Lab File ID:	0256CCB.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	07/15/2016 0113	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/13/2016 0728				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sodium	38.4	U	38.4	100

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**LCS-Certified Reference Material - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-378796/2- <del>A</del>	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-378796	Lab File ID: 050SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 1.02 g
Analysis Date: 07/14/2016 0207	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8080	8076	99.9	51.1 - 148.5	
Antimony	123	103.9	84.4	1.0 - 200.0	
Arsenic	145	149.5	103.1	79.3 - 121.4	
Barium	209	213.8	102.3	83.3 - 117.2	
Beryllium	97.3	93.45	96.0	82.6 - 117.2	
Cadmium	87.6	84.90	96.9	82.6 - 117.6	
Calcium	5690	5712	100.4	81.0 - 118.8	
Chromium	143	139.0	97.2	79.7 - 119.6	
Cobalt	154	143.3	93.1	83.8 - 115.6	
Copper	173	167.8	97.0	81.5 - 117.9	
Iron	15000	16540	110.2	46.8 - 154.0	
Lead	146	149.5	102.4	81.5 - 118.5	
Magnesium	2640	2744	104.0	76.5 - 123.5	
Manganese	309	299.0	96.8	81.6 - 118.8	
Nickel	129	126.5	98.0	82.9 - 117.1	
Potassium	2400	2568	107.0	71.7 - 128.3	
Selenium	178	178.7	100.4	78.7 - 121.3	
Silver	31.3	32.42	103.6	75.1 - 124.9	
Thallium	141	143.3	101.6	79.4 - 121.3	
Vanadium	115	115.4	100.4	77.6 - 122.6	
Zinc	194	189.7	97.8	82.0 - 118.0	

**LCS-Certified Reference Material - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-378796/2- <del>A</del>	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-378796	Lab File ID: 026SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 1.02 g
Analysis Date: 07/15/2016 0119	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	869	710.4	81.8	72.7 - 126.6	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Post Digestion Spike - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-378796	Lab File ID: 051SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.04 g
Analysis Date: 07/14/2016 0212	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10400		578	10710	NC	80 - 120	
Antimony	0.48	U	5.78	5.81	101	80 - 120	
Arsenic	1.7		11.6	13.48	102	80 - 120	
Barium	67.6		11.6	79.32	101	80 - 120	
Beryllium	0.54		5.78	5.86	92	80 - 120	
Cadmium	0.36	U	5.78	5.58	96	80 - 120	
Calcium	1080		578	1730	112	80 - 120	
Chromium	23.1		11.6	35.01	103	80 - 120	
Cobalt	11.9		5.78	17.59	99	80 - 120	
Copper	14.4		11.6	26.04	101	80 - 120	
Iron	16000		578	17020	NC	80 - 120	
Lead	7.2		5.78	13.30	105	80 - 120	
Magnesium	3080		578	3758	117	80 - 120	
Manganese	115		57.8	175.5	104	80 - 120	
Nickel	13.5		11.6	25.09	100	80 - 120	
Potassium	1560		578	2192	110	80 - 120	
Selenium	0.45	U	11.6	11.97	104	80 - 120	
Silver	0.87	U	5.78	5.15	89	80 - 120	
Thallium	0.22	J	4.63	4.94	102	80 - 120	
Vanadium	24.2		11.6	35.87	101	80 - 120	
Zinc	43.9		57.8	100.9	99	80 - 120	

**Matrix Spike - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379057	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-378796	Lab File ID: 052SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.02 g
Analysis Date: 07/14/2016 0218	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/13/2016 0728		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10400		590	11360	165	75 - 125	4
Antimony	0.48	U	5.90	3.54	60	75 - 125	F1
Arsenic	1.7		11.8	13.12	97	75 - 125	
Barium	67.6		11.8	78.18	90	75 - 125	4
Beryllium	0.54		5.90	5.88	91	75 - 125	
Cadmium	0.36	U	5.90	5.79	98	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/14/2016 0218  
Prep Date: 07/13/2016 0728  
Leach Date: N/A

Analysis Batch: 460-379057  
Prep Batch: 460-378796  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 052SMPL.D  
Initial Weight/Volume: 1.02 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1080	590	1881	135	75 - 125	F1
Chromium	23.1	11.8	33.55	88	75 - 125	
Cobalt	11.9	5.90	16.74	82	75 - 125	
Copper	14.4	11.8	24.59	87	75 - 125	
Iron	16000	590	15710	-53	75 - 125	4
Lead	7.2	5.90	12.96	97	75 - 125	
Magnesium	3080	590	3645	95	75 - 125	4
Manganese	115	59.0	165.5	85	75 - 125	
Nickel	13.5	11.8	23.99	89	75 - 125	
Potassium	1560	590	2244	117	75 - 125	
Selenium	0.45 U	11.8	11.38	96	75 - 125	
Silver	0.87 U	5.90	5.65	96	75 - 125	
Thallium	0.22 J	4.72	4.78	97	75 - 125	
Vanadium	24.2	11.8	34.21	85	75 - 125	
Zinc	43.9	59.0	95.48	88	75 - 125	

**Post Digestion Spike - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/15/2016 0125  
Prep Date: 07/13/2016 0728  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-378796  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 027SMPL.D  
Initial Weight/Volume: 1.04 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	63.3 J	578	645.7	101	80 - 120	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Matrix Spike - Batch: 460-378796

Method: 6020A  
Preparation: 3050B

Lab Sample ID:	460-116858-9	Analysis Batch:	460-379259	Instrument ID:	ICPMS2
Client Matrix:	Solid	Prep Batch:	460-378796	Lab File ID:	028SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	07/15/2016 0130	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/13/2016 0728				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	63.3 J	590	632.9	97	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-378796**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 20  
 Analysis Date: 07/14/2016 0224  
 Prep Date: 07/13/2016 0728  
 Leach Date: N/A

Analysis Batch: 460-379057  
 Prep Batch: 460-378796  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: ICPMS2  
 Lab File ID: 053SMPL.D  
 Initial Weight/Volume: 1.05 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	10400	8964	15	20	
Antimony	0.48 U	0.47	NC	20	U
Arsenic	1.7	1.40	20	20	
Barium	67.6	57.16	17	20	
Beryllium	0.54	0.475	13	20	
Cadmium	0.36 U	0.36	NC	20	U
Calcium	1080	1445	29	20	F3
Chromium	23.1	18.99	20	20	
Cobalt	11.9	10.09	16	20	
Copper	14.4	12.21	16	20	
Iron	16000	13000	21	20	F3
Lead	7.2	5.97	19	20	
Magnesium	3080	2523	20	20	
Manganese	115	96.16	18	20	
Nickel	13.5	10.94	21	20	F3
Potassium	1560	1335	15	20	
Selenium	0.45 U	0.44	NC	20	U
Silver	0.87 U	0.86	NC	20	U
Thallium	0.22 J	0.18	NC	20	U
Vanadium	24.2	19.43	22	20	F3
Zinc	43.9	34.71	23	20	F5

**Serial Dilution - Batch: 460-378796**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/14/2016 0235  
 Prep Date: 07/13/2016 0728  
 Leach Date: N/A

Analysis Batch: 460-379057  
 Prep Batch: 460-378796  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: ICPMS2  
 Lab File ID: 055SMPL.D  
 Initial Weight/Volume: 1.04 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	10400	10480	0.80	10	
Antimony	0.48 U	2.4	NC	10	U
Arsenic	1.7	2.6	NC	10	U
Barium	67.6	67.96	NC	10	
Beryllium	0.54	0.73	NC	10	U
Cadmium	0.36 U	1.8	NC	10	U
Calcium	1080	919.8	NC	10	
Chromium	23.1	22.41	NC	10	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Serial Dilution - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 100  
Analysis Date: 07/14/2016 0235  
Prep Date: 07/13/2016 0728  
Leach Date: N/A

Analysis Batch: 460-379057  
Prep Batch: 460-378796  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 055SMPL.D  
Initial Weight/Volume: 1.04 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cobalt	11.9	11.79	NC	10	
Copper	14.4	13.89	NC	10	
Iron	16000	16230	1.3	10	
Lead	7.2	7.28	NC	10	
Magnesium	3080	3082	NC	10	
Manganese	115	115.9	NC	10	
Nickel	13.5	13.48	NC	10	
Potassium	1560	1570	NC	10	
Selenium	0.45 U	2.2	NC	10	U
Silver	0.87 U	4.3	NC	10	U
Thallium	0.22 J	0.90	NC	10	U
Vanadium	24.2	24.07	NC	10	
Zinc	43.9	42.79	NC	10	J

**Duplicate - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/15/2016 0136  
Prep Date: 07/13/2016 0728  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-378796  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 029SMPL.D  
Initial Weight/Volume: 1.05 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sodium	63.3 J	50.83	22	20	J F5

**Serial Dilution - Batch: 460-378796**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 100  
Analysis Date: 07/15/2016 0148  
Prep Date: 07/13/2016 0728  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-378796  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 031SMPL.D  
Initial Weight/Volume: 1.04 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Sodium	63.3 J	222	NC	10	U

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Method Blank - Batch: 460-378992

Method: 6020A  
Preparation: 3010A

Lab Sample ID: MB 460-378992/1-A ^2  
Client Matrix: Water  
Dilution: 2.0  
Analysis Date: 07/15/2016 1520  
Prep Date: 07/14/2016 0718  
Leach Date: N/A

Analysis Batch: 460-379330  
Prep Batch: 460-378992  
Leach Batch: N/A  
Units: ug/L

Instrument ID: ICPMS2  
Lab File ID: 0236CCB.D  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	13.5	U	13.5	40.0
Antimony	0.76	U	0.76	2.0
Arsenic	0.71	U	0.71	2.0
Barium	1.5	U	1.5	4.0
Beryllium	0.29	U	0.29	0.80
Cadmium	0.72	U	0.72	2.0
Calcium	69.5	U	69.5	200
Chromium	1.5	U	1.5	4.0
Cobalt	1.5	U	1.5	4.0
Copper	1.6	U	1.6	4.0
Iron	49.1	U	49.1	120
Lead	0.44	U	0.44	1.2
Magnesium	68.4	U	68.4	200
Manganese	3.0	U	3.0	8.0
Nickel	1.6	U	1.6	4.0
Potassium	74.8	U	74.8	200
Selenium	0.79	U	0.79	10.0
Silver	1.5	U	1.5	2.0
Sodium	87.6	U	87.6	200
Thallium	0.31	U	0.31	0.80
Vanadium	1.4	U	1.4	4.0
Zinc	6.5	U	6.5	16.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: LCS 460-378992/2-A ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 024SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1525	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2500	2433	97	80 - 120	
Antimony	25.0	24.54	98	80 - 120	
Arsenic	50.0	50.56	101	80 - 120	
Barium	50.0	48.92	98	80 - 120	
Beryllium	25.0	24.64	99	80 - 120	
Cadmium	25.0	24.30	97	80 - 120	
Calcium	2500	2533	101	80 - 120	
Chromium	50.0	48.86	98	80 - 120	
Cobalt	25.0	24.26	97	80 - 120	
Copper	50.0	48.00	96	80 - 120	
Iron	2500	2465	99	80 - 120	
Lead	25.0	24.71	99	80 - 120	
Magnesium	2500	2379	95	80 - 120	
Manganese	250	242.4	97	80 - 120	
Nickel	50.0	48.28	97	80 - 120	
Potassium	2500	2691	108	80 - 120	
Selenium	50.0	49.91	100	80 - 120	
Silver	25.0	24.70	99	80 - 120	
Sodium	2500	2320	93	80 - 120	
Thallium	20.0	19.35	97	80 - 120	
Vanadium	50.0	47.88	96	80 - 120	
Zinc	250	237.3	95	80 - 120	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Post Digestion Spike - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116763-A-6-B PDS ^	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 025SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1531	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	100		1000	1114	101	80 - 120	
Antimony	0.76	U	10.0	10.50	105	80 - 120	
Arsenic	1.1	J	20.0	20.45	97	80 - 120	
Barium	5.3		20.0	25.25	100	80 - 120	
Beryllium	0.29	U	10.0	9.81	98	80 - 120	
Cadmium	0.72	U	10.0	9.69	97	80 - 120	
Calcium	1240		1000	2318	107	80 - 120	
Chromium	1.5	U	20.0	21.27	106	80 - 120	
Cobalt	1.5	U	10.0	10.16	102	80 - 120	
Copper	1.6	U	20.0	20.42	102	80 - 120	
Iron	13700		1000	14980	NC	80 - 120	
Lead	0.44	U	10.0	10.19	102	80 - 120	
Magnesium	605		1000	1615	101	80 - 120	
Manganese	22.7		100	123.8	101	80 - 120	
Nickel	1.6	U	20.0	20.49	102	80 - 120	
Potassium	553		1000	1678	113	80 - 120	
Selenium	0.79	U	20.0	19.91	100	80 - 120	
Silver	1.5	U	10.0	9.54	95	80 - 120	
Sodium	4940		1000	6134	120	80 - 120	
Thallium	0.31	U	8.00	8.04	100	80 - 120	
Vanadium	1.4	U	20.0	20.61	103	80 - 120	
Zinc	6.5	U	100	103.7	104	80 - 120	

**Matrix Spike - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116763-A-6-D MS ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 026SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1537	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	100		2500	2520	97	75 - 125	
Antimony	0.76	U	25.0	24.92	100	75 - 125	
Arsenic	1.1	J	50.0	48.47	95	75 - 125	
Barium	5.3		50.0	53.88	97	75 - 125	
Beryllium	0.29	U	25.0	24.20	97	75 - 125	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike - Batch: 460-378992**

**Method: 6020A  
Preparation: 3010A**

Lab Sample ID:	460-116763-A-6-D MS ^2	Analysis Batch:	460-379330	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-378992	Lab File ID:	026SMPL.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	07/15/2016 1537	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/14/2016 0718				
Leach Date:	N/A				

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.72	U	25.0	24.29	97	75 - 125	
Calcium	1240		2500	3755	100	75 - 125	
Chromium	1.5	U	50.0	49.77	100	75 - 125	
Cobalt	1.5	U	25.0	24.43	98	75 - 125	
Copper	1.6	U	50.0	48.51	97	75 - 125	
Iron	13700		2500	16030	94	75 - 125	4
Lead	0.44	U	25.0	25.06	100	75 - 125	
Magnesium	605		2500	2970	95	75 - 125	
Manganese	22.7		250	264.4	97	75 - 125	
Nickel	1.6	U	50.0	48.79	98	75 - 125	
Potassium	553		2500	3243	108	75 - 125	
Selenium	0.79	U	50.0	48.41	97	75 - 125	
Silver	1.5	U	25.0	24.38	98	75 - 125	
Sodium	4940		2500	7317	95	75 - 125	
Thallium	0.31	U	20.0	19.45	97	75 - 125	
Vanadium	1.4	U	50.0	48.23	96	75 - 125	
Zinc	6.5	U	250	241.1	96	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116763-A-6-C DU ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 027SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1543	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	100	100.4	0.1	20	
Antimony	0.76 U	0.76	NC	20	U
Arsenic	1.1 J	1.11	5	20	J
Barium	5.3	5.77	8	20	
Beryllium	0.29 U	0.29	NC	20	U
Cadmium	0.72 U	0.72	NC	20	U
Calcium	1240	1283	3	20	
Chromium	1.5 U	1.5	NC	20	U
Cobalt	1.5 U	1.5	NC	20	U
Copper	1.6 U	1.6	NC	20	U
Iron	13700	14090	3	20	
Lead	0.44 U	0.44	NC	20	U
Magnesium	605	613.9	1	20	
Manganese	22.7	23.06	2	20	
Nickel	1.6 U	1.6	NC	20	U
Potassium	553	567.0	2	20	
Selenium	0.79 U	0.79	NC	20	U
Silver	1.5 U	1.5	NC	20	U
Sodium	4940	5024	2	20	
Thallium	0.31 U	0.31	NC	20	U
Vanadium	1.4 U	1.4	NC	20	U
Zinc	6.5 U	6.5	NC	20	U

**Serial Dilution - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116763-A-6-B SD ^11	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 034SMPL.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1626	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	100	92.44	NC	10	J
Antimony	0.76 U	3.8	NC	10	U
Arsenic	1.1 J	3.6	NC	10	U
Barium	5.3	7.3	NC	10	U
Beryllium	0.29 U	1.5	NC	10	U
Cadmium	0.72 U	3.6	NC	10	U
Calcium	1240	1228	NC	10	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Serial Dilution - Batch: 460-378992**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116763-A-6-B SD ^11	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-378992	Lab File ID: 034SMPL.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1626	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0718		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	1.5 U	7.6	NC	10	U
Cobalt	1.5 U	7.5	NC	10	U
Copper	1.6 U	8.0	NC	10	U
Iron	13700	13730	0.45	10	
Lead	0.44 U	2.2	NC	10	U
Magnesium	605	596.5	NC	10	J
Manganese	22.7	23.38	NC	10	J
Nickel	1.6 U	8.1	NC	10	U
Potassium	553	470.8	NC	10	J
Selenium	0.79 U	4.0	NC	10	U
Silver	1.5 U	7.3	NC	10	U
Sodium	4940	4359	NC	10	
Thallium	0.31 U	1.6	NC	10	U
Vanadium	1.4 U	6.8	NC	10	U
Zinc	6.5 U	32.5	NC	10	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: MB 460-379003/1-A ^20	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 1036CCB.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.00 g
Analysis Date: 07/15/2016 0842	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Aluminum	7.4	U	7.4	20.0
Antimony	0.41	U	0.41	1.0
Arsenic	0.45	U	0.45	1.0
Barium	0.66	U	0.66	2.0
Beryllium	0.13	U	0.13	0.40
Cadmium	0.31	U	0.31	1.0
Calcium	35.8	U	35.8	100
Chromium	0.78	U	0.78	2.0
Cobalt	0.77	U	0.77	2.0
Copper	0.67	U	0.67	2.0
Iron	25.9	U	25.9	60.0
Lead	0.22	U	0.22	0.60
Magnesium	35.9	U	35.9	100
Manganese	1.6	U	1.6	4.0
Nickel	0.78	U	0.78	2.0
Potassium	34.0	U	34.0	100
Selenium	0.39	U	0.39	5.0
Silver	0.75	U	0.75	1.0
Thallium	0.16	U	0.16	0.40
Vanadium	0.77	U	0.77	2.0
Zinc	2.4	U	2.4	8.0

**Method Blank - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: MB 460-379003/1-A ^20	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 0226CCB.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.00 g
Analysis Date: 07/16/2016 1555	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Sodium	38.4	U	38.4	100

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**LCS-Certified Reference Material - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-379003/2- <del>A</del>	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 104SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 1.01 g
Analysis Date: 07/15/2016 0848	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8080	7215	89.3	51.1 - 148.5	
Antimony	123	75.98	61.8	1.0 - 200.0	
Arsenic	145	148.7	102.5	79.3 - 121.4	
Barium	209	201.5	96.4	83.3 - 117.2	
Beryllium	97.3	95.28	97.9	82.6 - 117.2	
Cadmium	87.6	88.68	101.2	82.6 - 117.6	
Calcium	5690	5841	102.6	81.0 - 118.8	
Chromium	143	136.2	95.2	79.7 - 119.6	
Cobalt	154	149.3	96.9	83.8 - 115.6	
Copper	173	170.1	98.3	81.5 - 117.9	
Iron	15000	13390	89.3	46.8 - 154.0	
Lead	146	148.0	101.4	81.5 - 118.5	
Magnesium	2640	2485	94.1	76.5 - 123.5	
Manganese	309	301.0	97.4	81.6 - 118.8	
Nickel	129	128.5	99.6	82.9 - 117.1	
Potassium	2400	2588	107.8	71.7 - 128.3	
Selenium	178	177.0	99.4	78.7 - 121.3	
Silver	31.3	31.98	102.2	75.1 - 124.9	
Thallium	141	144.8	102.7	79.4 - 121.3	
Vanadium	115	107.3	93.3	77.6 - 122.6	
Zinc	194	189.9	97.9	82.0 - 118.0	

**LCS-Certified Reference Material - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-379003/2- <del>A</del>	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 023SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 1.01 g
Analysis Date: 07/16/2016 1601	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	869	775.1	89.2	72.7 - 126.6	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Post Digestion Spike - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 105SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.05 g
Analysis Date: 07/15/2016 0854	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8880		545	9247	NC	80 - 120	
Antimony	0.45	U	5.45	5.40	99	80 - 120	
Arsenic	2.6		10.9	14.18	106	80 - 120	
Barium	49.4		10.9	59.52	93	80 - 120	
Beryllium	0.36	J	5.45	5.50	94	80 - 120	
Cadmium	0.34	U	5.45	5.24	96	80 - 120	
Calcium	45500		545	45450	NC	80 - 120	
Chromium	11.3		10.9	22.37	101	80 - 120	
Cobalt	6.3		5.45	11.29	92	80 - 120	
Copper	11.0		10.9	21.07	92	80 - 120	
Iron	11900		545	12430	NC	80 - 120	
Lead	49.3		5.45	54.74	100	80 - 120	
Magnesium	23200		545	23430	NC	80 - 120	
Manganese	264		54.5	318.2	98	80 - 120	
Nickel	10.2		10.9	20.60	95	80 - 120	
Potassium	866		545	1461	109	80 - 120	
Selenium	0.42	U	10.9	11.28	104	80 - 120	
Silver	0.82	U	5.45	5.47	100	80 - 120	
Thallium	0.17	U	4.36	4.67	107	80 - 120	
Vanadium	15.9		10.9	26.79	100	80 - 120	
Zinc	28.0		54.5	80.15	96	80 - 120	

**Matrix Spike - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 106SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.03 g
Analysis Date: 07/15/2016 0859	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8880		556	10610	312	75 - 125	4
Antimony	0.45	U	5.56	2.47	44	75 - 125	F1
Arsenic	2.6		11.1	13.82	101	75 - 125	
Barium	49.4		11.1	55.85	58	75 - 125	4
Beryllium	0.36	J	5.56	5.38	90	75 - 125	
Cadmium	0.34	U	5.56	5.41	97	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379259	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 106SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.03 g
Analysis Date: 07/15/2016 0859	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	45500	556	47370	342	75 - 125	4
Chromium	11.3	11.1	22.47	100	75 - 125	
Cobalt	6.3	5.56	12.88	119	75 - 125	
Copper	11.0	11.1	21.08	90	75 - 125	
Iron	11900	556	12800	160	75 - 125	4
Lead	49.3	5.56	45.31	-71	75 - 125	4
Magnesium	23200	556	24530	243	75 - 125	4
Manganese	264	55.6	316.7	94	75 - 125	4
Nickel	10.2	11.1	23.12	116	75 - 125	
Potassium	866	556	1478	110	75 - 125	
Selenium	0.42 U	11.1	10.58	95	75 - 125	
Silver	0.82 U	5.56	5.39	97	75 - 125	
Thallium	0.17 U	4.45	4.38	99	75 - 125	
Vanadium	15.9	11.1	27.45	104	75 - 125	
Zinc	28.0	55.6	81.00	95	75 - 125	

**Post Digestion Spike - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379602	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379003	Lab File ID: 024SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 1.05 g
Analysis Date: 07/16/2016 1606	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0750		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	96.6 J	545	649.0	101	80 - 120	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Matrix Spike - Batch: 460-379003

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID:	460-116922-5	Analysis Batch:	460-379602	Instrument ID:	ICPMS2
Client Matrix:	Solid	Prep Batch:	460-379003	Lab File ID:	025SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	07/16/2016 1612	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/14/2016 0750				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	96.6 J	556	623.7	95	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/15/2016 0905  
Prep Date: 07/14/2016 0750  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-379003  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 107SMPL.D  
Initial Weight/Volume: 1.09 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	8880	8809	0.8	20	
Antimony	0.45 U	0.43	NC	20	U
Arsenic	2.6	3.07	17	20	
Barium	49.4	47.04	5	20	
Beryllium	0.36 J	0.272	29	20	J F5
Cadmium	0.34 U	0.33	NC	20	U
Calcium	45500	53400	16	20	
Chromium	11.3	11.79	4	20	
Cobalt	6.3	6.36	0.9	20	
Copper	11.0	11.88	7	20	
Iron	11900	12100	2	20	
Lead	49.3	41.00	18	20	
Magnesium	23200	29020	22	20	F3
Manganese	264	287.6	8	20	
Nickel	10.2	10.33	1	20	
Potassium	866	835.4	4	20	
Selenium	0.42 U	0.40	NC	20	U
Silver	0.82 U	0.79	NC	20	U
Thallium	0.17 U	0.16	NC	20	U
Vanadium	15.9	16.60	4	20	
Zinc	28.0	26.94	4	20	

**Serial Dilution - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/15/2016 0917  
Prep Date: 07/14/2016 0750  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-379003  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 109SMPL.D  
Initial Weight/Volume: 1.05 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	8930	1842	79	10	V
Antimony	0.45 U	0.45	NC	10	U
Arsenic	2.6	0.603	NC	10	J
Barium	48.5	9.66	80	10	V
Beryllium	0.36 J	0.14	NC	10	U
Cadmium	0.34 U	0.34	NC	10	U
Calcium	44400	9349	79	10	V
Chromium	11.6	2.22	NC	10	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Serial Dilution - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/15/2016 0917  
Prep Date: 07/14/2016 0750  
Leach Date: N/A

Analysis Batch: 460-379259  
Prep Batch: 460-379003  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 109SMPL.D  
Initial Weight/Volume: 1.05 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cobalt	6.5	1.31	NC	10	J
Copper	11.3	2.17	NC	10	J
Iron	11900	2507	79	10	V
Lead	49.8	9.99	80	10	V
Magnesium	22800	5014	78	10	V
Manganese	262	54.78	79	10	V
Nickel	10.2	2.10	NC	10	J
Potassium	780	185.4	NC	10	
Selenium	0.42 U	0.42	NC	10	U
Silver	0.82 U	0.82	NC	10	U
Thallium	0.17 U	0.17	NC	10	U
Vanadium	16.1	3.33	NC	10	
Zinc	28.7	5.67	NC	10	J

**Duplicate - Batch: 460-379003**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116922-5  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/16/2016 1618  
Prep Date: 07/14/2016 0750  
Leach Date: N/A

Analysis Batch: 460-379602  
Prep Batch: 460-379003  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 026SMPL.D  
Initial Weight/Volume: 1.09 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sodium	96.6 J	106.8	10	20	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379231**

**Method: 6020A  
Preparation: 3010A**

Lab Sample ID:	MB 460-379231/1-A ^2	Analysis Batch:	460-379330	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-379231	Lab File ID:	0476CCB.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	07/15/2016 1741	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/15/2016 0730				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	13.5	U	13.5	40.0
Antimony	0.76	U	0.76	2.0
Arsenic	0.71	U	0.71	2.0
Barium	1.5	U	1.5	4.0
Beryllium	0.29	U	0.29	0.80
Cadmium	0.72	U	0.72	2.0
Calcium	69.5	U	69.5	200
Chromium	1.5	U	1.5	4.0
Cobalt	1.5	U	1.5	4.0
Copper	1.6	U	1.6	4.0
Iron	49.1	U	49.1	120
Lead	0.44	U	0.44	1.2
Magnesium	68.4	U	68.4	200
Manganese	3.0	U	3.0	8.0
Nickel	1.6	U	1.6	4.0
Potassium	74.8	U	74.8	200
Selenium	0.79	U	0.79	10.0
Silver	1.5	U	1.5	2.0
Sodium	87.6	U	87.6	200
Thallium	0.31	U	0.31	0.80
Vanadium	1.4	U	1.4	4.0
Zinc	6.5	U	6.5	16.0

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Lab Control Sample - Batch: 460-379231**

**Method: 6020A  
Preparation: 3010A**

Lab Sample ID:	LCS 460-379231/2-A ^2	Analysis Batch:	460-379330	Instrument ID:	ICPMS2
Client Matrix:	Water	Prep Batch:	460-379231	Lab File ID:	048SMPL.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	07/15/2016 1747	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	07/15/2016 0730				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2500	2415	97	80 - 120	
Antimony	25.0	23.61	94	80 - 120	
Arsenic	50.0	49.58	99	80 - 120	
Barium	50.0	47.66	95	80 - 120	
Beryllium	25.0	23.45	94	80 - 120	
Cadmium	25.0	23.56	94	80 - 120	
Calcium	2500	2536	101	80 - 120	
Chromium	50.0	47.09	94	80 - 120	
Cobalt	25.0	23.01	92	80 - 120	
Copper	50.0	45.98	92	80 - 120	
Iron	2500	2377	95	80 - 120	
Lead	25.0	24.00	96	80 - 120	
Magnesium	2500	2358	94	80 - 120	
Manganese	250	234.7	94	80 - 120	
Nickel	50.0	46.39	93	80 - 120	
Potassium	2500	2634	105	80 - 120	
Selenium	50.0	49.19	98	80 - 120	
Silver	25.0	24.11	96	80 - 120	
Sodium	2500	2300	92	80 - 120	
Thallium	20.0	18.58	93	80 - 120	
Vanadium	50.0	46.11	92	80 - 120	
Zinc	250	231.4	93	80 - 120	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Post Digestion Spike - Batch: 460-379231**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116960-H-1-A PDS ^	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 049SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1753	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	18.2	J	1000	993.7	98	80 - 120	
Antimony	0.76	U	10.0	9.47	95	80 - 120	
Arsenic	0.71	U	20.0	18.99	95	80 - 120	
Barium	55.6		20.0	74.55	95	80 - 120	
Beryllium	0.29	U	10.0	9.60	96	80 - 120	
Cadmium	0.72	U	10.0	9.46	95	80 - 120	
Calcium	16300		1000	17100	NC	80 - 120	
Chromium	1.5	U	20.0	20.11	101	80 - 120	
Cobalt	1.5	U	10.0	9.48	95	80 - 120	
Copper	1.6	U	20.0	19.35	97	80 - 120	
Iron	49.1	U	1000	1008	101	80 - 120	
Lead	0.44	U	10.0	9.81	98	80 - 120	
Magnesium	6630		1000	7609	98	80 - 120	
Manganese	3.0	U	100	97.99	98	80 - 120	
Nickel	4.2		20.0	23.00	94	80 - 120	
Potassium	1250		1000	2317	107	80 - 120	
Selenium	0.79	U	20.0	19.06	95	80 - 120	
Silver	1.5	U	10.0	9.11	91	80 - 120	
Sodium	28000		1000	28940	NC	80 - 120	
Thallium	0.31	U	8.00	7.87	98	80 - 120	
Vanadium	1.4	U	20.0	19.67	98	80 - 120	
Zinc	6.5	J	100	100.1	100	80 - 120	

**Matrix Spike - Batch: 460-379231**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116960-H-1-B MS ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 050SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1758	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	18.2	J	2500	2389	95	75 - 125	
Antimony	0.76	U	25.0	24.31	97	75 - 125	
Arsenic	0.71	U	50.0	47.11	94	75 - 125	
Barium	55.6		50.0	103.3	95	75 - 125	
Beryllium	0.29	U	25.0	24.21	97	75 - 125	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike - Batch: 460-379231**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116960-H-1-B MS ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 050SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1758	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.72 U	25.0	24.20	97	75 - 125	
Calcium	16300	2500	18450	87	75 - 125	4
Chromium	1.5 U	50.0	47.87	96	75 - 125	
Cobalt	1.5 U	25.0	23.29	93	75 - 125	
Copper	1.6 U	50.0	46.83	94	75 - 125	
Iron	49.1 U	2500	2398	96	75 - 125	
Lead	0.44 U	25.0	24.39	98	75 - 125	
Magnesium	6630	2500	8832	88	75 - 125	
Manganese	3.0 U	250	238.4	95	75 - 125	
Nickel	4.2	50.0	49.89	91	75 - 125	
Potassium	1250	2500	3875	105	75 - 125	
Selenium	0.79 U	50.0	46.15	92	75 - 125	
Silver	1.5 U	25.0	23.94	96	75 - 125	
Sodium	28000	2500	30070	81	75 - 125	4
Thallium	0.31 U	20.0	19.18	96	75 - 125	
Vanadium	1.4 U	50.0	47.28	95	75 - 125	
Zinc	6.5 J	250	235.6	94	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-379231**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116960-A-1-A DU ^2	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 051SMPL.D
Dilution: 2.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1804	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	18.2 J	17.06	7	20	J
Antimony	0.76 U	0.76	NC	20	U
Arsenic	0.71 U	0.71	NC	20	U
Barium	55.6	56.29	1	20	
Beryllium	0.29 U	0.29	NC	20	U
Cadmium	0.72 U	0.72	NC	20	U
Calcium	16300	16480	1	20	
Chromium	1.5 U	1.5	NC	20	U
Cobalt	1.5 U	1.5	NC	20	U
Copper	1.6 U	1.6	NC	20	U
Iron	49.1 U	49.1	NC	20	U
Lead	0.44 U	0.44	NC	20	U
Magnesium	6630	6696	1	20	
Manganese	3.0 U	3.0	NC	20	U
Nickel	4.2	4.39	4	20	
Potassium	1250	1283	3	20	
Selenium	0.79 U	0.79	NC	20	U
Silver	1.5 U	1.5	NC	20	U
Sodium	28000	28600	2	20	
Thallium	0.31 U	0.31	NC	20	U
Vanadium	1.4 U	1.4	NC	20	U
Zinc	6.5 J	6.5	NC	20	U

**Serial Dilution - Batch: 460-379231**

**Method: 6020A**  
**Preparation: 3010A**

Lab Sample ID: 460-116960-H-1-A SD ^11	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 053SMPL.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1816	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	33.8 U	67.5	NC	10	U
Antimony	1.9 U	3.8	NC	10	U
Arsenic	1.8 U	3.6	NC	10	U
Barium	56.4	55.95	NC	10	
Beryllium	0.73 U	1.5	NC	10	U
Cadmium	1.8 U	3.6	NC	10	U
Calcium	16200	16380	0.98	10	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Serial Dilution - Batch: 460-379231**

**Method: 6020A  
Preparation: 3010A**

Lab Sample ID: 460-116960-H-1-A SD ^1	Analysis Batch: 460-379330	Instrument ID: ICPMS2
Client Matrix: Water	Prep Batch: 460-379231	Lab File ID: 053SMPL.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 07/15/2016 1816	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: 07/15/2016 0730		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	3.8 U	7.6	NC	10	U
Cobalt	3.7 U	7.5	NC	10	U
Copper	4.0 U	8.0	NC	10	U
Iron	123 U	246	NC	10	U
Lead	1.1 U	2.2	NC	10	U
Magnesium	6380	6518	NC	10	
Manganese	7.6 U	15.2	NC	10	U
Nickel	4.4 J	8.1	NC	10	U
Potassium	1260	1229	NC	10	
Selenium	2.0 U	4.0	NC	10	U
Silver	3.6 U	7.3	NC	10	U
Sodium	29200	30420	4.1	10	
Thallium	0.78 U	1.6	NC	10	U
Vanadium	3.4 U	6.8	NC	10	U
Zinc	16.2 U	32.5	NC	10	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: MB 460-379489/1-A ^20	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 0596CCB.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 1932	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Aluminum	0.15	U	0.15	0.40
Antimony	0.0082	U	0.0082	0.020
Arsenic	0.0089	U	0.0089	0.020
Barium	0.013	U	0.013	0.040
Beryllium	0.0025	U	0.0025	0.0080
Cadmium	0.0062	U	0.0062	0.020
Calcium	0.72	U	0.72	2.0
Chromium	0.016	U	0.016	0.040
Cobalt	0.015	U	0.015	0.040
Copper	0.013	U	0.013	0.040
Iron	0.52	U	0.52	1.2
Lead	0.0044	U	0.0044	0.012
Magnesium	0.72	U	0.72	2.0
Manganese	0.032	U	0.032	0.080
Nickel	0.016	U	0.016	0.040
Potassium	0.68	U	0.68	2.0
Selenium	0.0077	U	0.0077	0.10
Silver	0.015	U	0.015	0.020
Thallium	0.0031	U	0.0031	0.0080
Vanadium	0.015	U	0.015	0.040
Zinc	0.049	U	0.049	0.16

**Method Blank - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: MB 460-379489/1-A ^20	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 0936CCB.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 2255	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Sodium	0.77	U	0.77	2.0

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**LCS-Certified Reference Material - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-379489/2- <del>A</del>	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 060SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 1938	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	162	159.5	98.7	51.1 - 148.5	
Antimony	2.46	1.39	56.4	1.0 - 200.0	
Arsenic	2.90	3.11	107.2	79.3 - 121.4	
Barium	4.18	4.59	109.8	83.3 - 117.2	
Beryllium	1.95	2.21	113.4	82.6 - 117.2	
Cadmium	1.75	1.76	100.7	82.6 - 117.6	
Calcium	114	124.2	109.1	81.0 - 118.8	
Chromium	2.86	2.95	103.2	79.7 - 119.6	
Cobalt	3.08	3.27	106.2	83.8 - 115.6	
Copper	3.46	3.57	103.1	81.5 - 117.9	
Iron	300	300.7	100.2	46.8 - 154.0	
Lead	2.92	3.22	110.2	81.5 - 118.5	
Magnesium	52.8	55.83	105.7	76.5 - 123.5	
Manganese	6.18	6.35	102.7	81.6 - 118.8	
Nickel	2.58	2.68	103.7	82.9 - 117.1	
Potassium	48.0	50.70	105.6	71.7 - 128.3	
Selenium	3.56	4.07	114.2	78.7 - 121.3	
Silver	0.626	0.681	108.7	75.1 - 124.9	
Thallium	2.82	3.19	113.1	79.4 - 121.3	
Vanadium	2.30	2.39	104.1	77.6 - 122.6	
Zinc	3.88	3.96	102.0	82.0 - 118.0	

**LCS-Certified Reference Material - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: LCSSRM 460-379489/2- <del>A</del>	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 094SMPL.D
Dilution: 100	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 2301	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	17.4	15.70	90.4	72.7 - 126.6	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Post Digestion Spike - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 061SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 1944	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	264	11.8	289.0	NC	80 - 120	
Antimony	0.0097 U	0.118	0.115	98	80 - 120	
Arsenic	0.059	0.236	0.293	99	80 - 120	
Barium	3.4	0.236	3.71	NC	80 - 120	
Beryllium	0.0087 J	0.118	0.138	110	80 - 120	
Cadmium	0.0074 U	0.118	0.119	101	80 - 120	
Calcium	242	11.8	256.9	NC	80 - 120	
Chromium	0.56	0.236	0.808	103	80 - 120	
Cobalt	0.17	0.118	0.278	95	80 - 120	
Copper	0.31	0.236	0.532	93	80 - 120	
Iron	343	11.8	352.5	NC	80 - 120	
Lead	0.40	0.118	0.525	109	80 - 120	
Magnesium	109	11.8	123.0	121	80 - 120	W
Manganese	4.4	1.18	5.65	107	80 - 120	
Nickel	0.42	0.236	0.643	95	80 - 120	
Potassium	89.9	11.8	103.7	117	80 - 120	
Selenium	0.0091 U	0.236	0.259	110	80 - 120	
Silver	0.018 U	0.118	0.116	99	80 - 120	
Thallium	0.0052 J	0.0943	0.106	106	80 - 120	
Vanadium	0.71	0.236	0.947	101	80 - 120	
Zinc	0.89	1.18	2.04	98	80 - 120	

**Matrix Spike - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379842	Instrument ID: ICPMS2
Client Matrix: Solid	Prep Batch: 460-379489	Lab File ID: 062SMPL.D
Dilution: 20	Leach Batch: N/A	Initial Weight/Volume: 50 g
Analysis Date: 07/18/2016 1950	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/17/2016 1757		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	264	11.8	211.2	-449	75 - 125	4
Antimony	0.0097 U	0.118	0.0594	50	75 - 125	F1
Arsenic	0.059	0.236	0.306	105	75 - 125	
Barium	3.4	0.236	2.66	-326	75 - 125	4
Beryllium	0.0087 J	0.118	0.138	110	75 - 125	
Cadmium	0.0074 U	0.118	0.119	101	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/18/2016 1950  
Prep Date: 07/17/2016 1757  
Leach Date: N/A

Analysis Batch: 460-379842  
Prep Batch: 460-379489  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 062SMPL.D  
Initial Weight/Volume: 50 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	242	11.8	345.1	878	75 - 125	4
Chromium	0.56	0.236	0.696	56	75 - 125	F1
Cobalt	0.17	0.118	0.244	66	75 - 125	F1
Copper	0.31	0.236	0.545	98	75 - 125	
Iron	343	11.8	324.0	-163	75 - 125	4
Lead	0.40	0.118	0.531	114	75 - 125	
Magnesium	109	11.8	89.89	-161	75 - 125	4
Manganese	4.4	1.18	4.59	18	75 - 125	F1
Nickel	0.42	0.236	0.583	70	75 - 125	F1
Potassium	89.9	11.8	80.72	-78	75 - 125	4
Selenium	0.0091 U	0.236	0.263	112	75 - 125	
Silver	0.018 U	0.118	0.123	105	75 - 125	
Thallium	0.0052 J	0.0943	0.104	105	75 - 125	
Vanadium	0.71	0.236	0.820	47	75 - 125	F1
Zinc	0.89	1.18	1.92	88	75 - 125	

**Post Digestion Spike - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/18/2016 2307  
Prep Date: 07/17/2016 1757  
Leach Date: N/A

Analysis Batch: 460-379842  
Prep Batch: 460-379489  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 095SMPL.D  
Initial Weight/Volume: 50 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	10.7	11.8	21.47	92	80 - 120	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Matrix Spike - Batch: 460-379489

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID:	460-116994-8	Analysis Batch:	460-379842	Instrument ID:	ICPMS2
Client Matrix:	Solid	Prep Batch:	460-379489	Lab File ID:	096SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	50 g
Analysis Date:	07/18/2016 2312	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/17/2016 1757				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	10.7	11.8	23.18	106	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 20  
 Analysis Date: 07/18/2016 1955  
 Prep Date: 07/17/2016 1757  
 Leach Date: N/A

Analysis Batch: 460-379842  
 Prep Batch: 460-379489  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: ICPMS2  
 Lab File ID: 063SMPL.D  
 Initial Weight/Volume: 50 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	264	234.7	12	20	
Antimony	0.0097 U	0.00988	NC	20	J
Arsenic	0.059	0.0625	6	20	
Barium	3.4	2.66	25	20	F3
Beryllium	0.0087 J	0.0101	15	20	
Cadmium	0.0074 U	0.0074	NC	20	U
Calcium	242	228.2	6	20	
Chromium	0.56	0.613	8	20	
Cobalt	0.17	0.144	15	20	
Copper	0.31	0.376	18	20	
Iron	343	319.0	7	20	
Lead	0.40	0.375	6	20	
Magnesium	109	101.0	7	20	
Manganese	4.4	3.75	16	20	
Nickel	0.42	0.538	25	20	F3
Potassium	89.9	85.68	5	20	
Selenium	0.0091 U	0.0104	NC	20	J
Silver	0.018 U	0.018	NC	20	U
Thallium	0.0052 J	0.00521	0.4	20	J
Vanadium	0.71	0.718	1	20	
Zinc	0.89	0.834	6	20	

**Serial Dilution - Batch: 460-379489**

**Method: 6020A  
Preparation: 3050B**

Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 100  
 Analysis Date: 07/18/2016 2007  
 Prep Date: 07/17/2016 1757  
 Leach Date: N/A

Analysis Batch: 460-379842  
 Prep Batch: 460-379489  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: ICPMS2  
 Lab File ID: 065SMPL.D  
 Initial Weight/Volume: 50 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	267	263.0	1.4	10	
Antimony	0.0097 U	0.048	NC	10	U
Arsenic	0.060	0.053	NC	10	U
Barium	3.5	3.40	4.0	10	
Beryllium	0.0082 J	0.015	NC	10	U
Cadmium	0.0074 U	0.037	NC	10	U
Calcium	243	240.5	1.2	10	
Chromium	0.57	0.544	NC	10	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Serial Dilution - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 100  
Analysis Date: 07/18/2016 2007  
Prep Date: 07/17/2016 1757  
Leach Date: N/A

Analysis Batch: 460-379842  
Prep Batch: 460-379489  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 065SMPL.D  
Initial Weight/Volume: 50 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cobalt	0.17	0.167	NC	10	J
Copper	0.31	0.308	NC	10	
Iron	345	346.0	0.27	10	
Lead	0.40	0.386	NC	10	
Magnesium	108	106.8	NC	10	
Manganese	4.5	4.41	NC	10	
Nickel	0.43	0.415	NC	10	
Potassium	91.3	89.57	NC	10	
Selenium	0.0091 U	0.045	NC	10	U
Silver	0.018 U	0.089	NC	10	U
Thallium	0.0054 J	0.018	NC	10	U
Vanadium	0.72	0.695	NC	10	
Zinc	0.90	0.811	NC	10	J

**Duplicate - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/18/2016 2318  
Prep Date: 07/17/2016 1757  
Leach Date: N/A

Analysis Batch: 460-379842  
Prep Batch: 460-379489  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 097SMPL.D  
Initial Weight/Volume: 50 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sodium	10.7	9.61	10	20	

**Serial Dilution - Batch: 460-379489**

**Method: 6020A**  
**Preparation: 3050B**

Lab Sample ID: 460-116994-8  
Client Matrix: Solid  
Dilution: 100  
Analysis Date: 07/18/2016 2330  
Prep Date: 07/17/2016 1757  
Leach Date: N/A

Analysis Batch: 460-379842  
Prep Batch: 460-379489  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: ICPMS2  
Lab File ID: 099SMPL.D  
Initial Weight/Volume: 50 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Sodium	10.7	10.0	NC	10	J

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378838**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: MB 460-378838/1-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1410  
Prep Date: 07/13/2016 1157  
Leach Date: N/A

Analysis Batch: 460-378906  
Prep Batch: 460-378838  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 378838hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.14	U	0.14	0.20

**Lab Control Sample - Batch: 460-378838**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: LCS 460-378838/2-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1412  
Prep Date: 07/13/2016 1157  
Leach Date: N/A

Analysis Batch: 460-378906  
Prep Batch: 460-378838  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 378838hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.03	103	80 - 120	

**Matrix Spike - Batch: 460-378838**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: 460-116860-A-3-C MS  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 1417  
Prep Date: 07/13/2016 1157  
Leach Date: N/A

Analysis Batch: 460-378906  
Prep Batch: 460-378838  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 378838hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.14 U	1.00	0.999	100	80 - 120	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-378838

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID:	460-116860-A-3-B DU	Analysis Batch:	460-378906	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-378838	Lab File ID:	378838hg1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	07/13/2016 1415	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	07/13/2016 1157				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.14 U	0.14	NC	20	U

## Serial Dilution - Batch: 460-378838

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID:	460-116860-A-3-A SD ^5	Analysis Batch:	460-378906	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-378838	Lab File ID:	378838hg1.CSV
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	07/13/2016 1419	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	07/13/2016 1157				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.14 U	0.70	NC	10	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379600**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: MB 460-379600/1-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1331  
Prep Date: 07/18/2016 1155  
Leach Date: N/A

Analysis Batch: 460-379655  
Prep Batch: 460-379600  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 37600hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.14	U	0.14	0.20

**Lab Control Sample - Batch: 460-379600**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: LCS 460-379600/2-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1333  
Prep Date: 07/18/2016 1155  
Leach Date: N/A

Analysis Batch: 460-379655  
Prep Batch: 460-379600  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 37600hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.971	97	80 - 120	

**Matrix Spike - Batch: 460-379600**

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID: 460-117036-B-1-E MS  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/18/2016 1339  
Prep Date: 07/18/2016 1155  
Leach Date: N/A

Analysis Batch: 460-379655  
Prep Batch: 460-379600  
Leach Batch: N/A  
Units: ug/L

Instrument ID: LEEMAN6  
Lab File ID: 37600hg1.CSV  
Initial Weight/Volume: 30 mL  
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.14 U	1.00	1.07	107	80 - 120	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379600

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID:	460-117036-B-1-D DU	Analysis Batch:	460-379655	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-379600	Lab File ID:	37600hg1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	07/18/2016 1337	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	07/18/2016 1155				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.14 U	0.14	NC	20	U

## Serial Dilution - Batch: 460-379600

**Method: 7470A**  
**Preparation: 7470A**

Lab Sample ID:	460-117036-B-1-C SD ^5	Analysis Batch:	460-379655	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-379600	Lab File ID:	37600hg1.CSV
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	07/18/2016 1340	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	07/18/2016 1155				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.14 U	0.70	NC	10	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378753**

Lab Sample ID: MB 460-378753/10-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0738  
 Prep Date: 07/13/2016 0339  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378753  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

**LCS-Certified Reference Material - Batch: 460-378753**

Lab Sample ID: LCSSRM 460-378753/11-  
 Client Matrix: Solid  
 Dilution: 20  
 Analysis Date: 07/13/2016 0740  
 Prep Date: 07/13/2016 0339  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378753  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	11.60	94.3	71.5 - 128.5	

**Matrix Spike - Batch: 460-378753**

Lab Sample ID: 460-116768-A-1-C MS  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0746  
 Prep Date: 07/13/2016 0339  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378753  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.63 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.061	0.0997	0.157	96	75 - 125	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-378753

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID:	460-116768-A-1-B DU	Analysis Batch:	460-378820	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-378753	Lab File ID:	071316(TS).CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	07/13/2016 0744	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/13/2016 0339				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.061	0.0634	4	20	

## Serial Dilution - Batch: 460-378753

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID:	460-116768-A-1-A SD ^5	Analysis Batch:	460-378820	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-378753	Lab File ID:	071316(TS).CSV
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	07/13/2016 0830	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/13/2016 0339				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.061	0.072	NC		U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378760**

Lab Sample ID: MB 460-378760/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0832  
 Prep Date: 07/13/2016 0411  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378760  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

**LCS-Certified Reference Material - Batch: 460-378760**

Lab Sample ID: LCSSRM 460-378760/2-~~A~~  
 Client Matrix: Solid  
 Dilution: 20  
 Analysis Date: 07/13/2016 0834  
 Prep Date: 07/13/2016 0411  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378760  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	11.61	94.4	71.5 - 128.5	

**Matrix Spike - Batch: 460-378760**

Lab Sample ID: 460-116858-9  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0840  
 Prep Date: 07/13/2016 0411  
 Leach Date: N/A

Analysis Batch: 460-378820  
 Prep Batch: 460-378760  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071316(TS).CSV  
 Initial Weight/Volume: 0.62 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.014 U	0.0970	0.113	117	75 - 125	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-378760

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/13/2016 0838  
Prep Date: 07/13/2016 0411  
Leach Date: N/A

Analysis Batch: 460-378820  
Prep Batch: 460-378760  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071316(TS).CSV  
Initial Weight/Volume: 0.62 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.014 U	0.014	NC	20	U

## Serial Dilution - Batch: 460-378760

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-116858-9  
Client Matrix: Solid  
Dilution: 5.0  
Analysis Date: 07/13/2016 0925  
Prep Date: 07/13/2016 0411  
Leach Date: N/A

Analysis Batch: 460-378820  
Prep Batch: 460-378760  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071316(TS).CSV  
Initial Weight/Volume: 0.62 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.014 U	0.070	NC		U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378973**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: MB 460-378973/10-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 0905  
Prep Date: 07/14/2016 0438  
Leach Date: N/A

Analysis Batch: 460-379043  
Prep Batch: 460-378973  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071416(TS).CSV  
Initial Weight/Volume: 0.60 g  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

**LCS-Certified Reference Material - Batch: 460-378973**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: LCSSRM 460-378973/11-  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/14/2016 0907  
Prep Date: 07/14/2016 0438  
Leach Date: N/A

Analysis Batch: 460-379043  
Prep Batch: 460-378973  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071416(TS).CSV  
Initial Weight/Volume: 0.60 g  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	11.90	96.7	71.5 - 128.5	

**Matrix Spike - Batch: 460-378973**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-116816-A-14-C MS  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/14/2016 0913  
Prep Date: 07/14/2016 0438  
Leach Date: N/A

Analysis Batch: 460-379043  
Prep Batch: 460-378973  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071416(TS).CSV  
Initial Weight/Volume: 0.65 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.034	0.0851	0.124	106	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-378973**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-116816-A-14-B DU	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Client Matrix: Solid	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.65 g
Analysis Date: 07/14/2016 0911	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.034	0.0338	0.5	20	

**Serial Dilution - Batch: 460-378973**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-116816-A-14-A SD ^\	Analysis Batch: 460-379043	Instrument ID: LEEMAN6
Client Matrix: Solid	Prep Batch: 460-378973	Lab File ID: 071416(TS).CSV
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 0.65 g
Analysis Date: 07/14/2016 0958	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/14/2016 0438		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.034	0.061	NC		U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379530**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: MB 460-379530/10-A  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0823  
Prep Date: 07/18/2016 0426  
Leach Date: N/A

Analysis Batch: 460-379593  
Prep Batch: 460-379530  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071816(TS).CSV  
Initial Weight/Volume: 0.60 g  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

**LCS-Certified Reference Material - Batch: 460-379530**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: LCSSRM 460-379530/11-  
Client Matrix: Solid  
Dilution: 20  
Analysis Date: 07/18/2016 0825  
Prep Date: 07/18/2016 0426  
Leach Date: N/A

Analysis Batch: 460-379593  
Prep Batch: 460-379530  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071816(TS).CSV  
Initial Weight/Volume: 0.60 g  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	11.22	91.2	71.5 - 128.5	

**Matrix Spike - Batch: 460-379530**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-117049-D-1-C MS  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 07/18/2016 0831  
Prep Date: 07/18/2016 0426  
Leach Date: N/A

Analysis Batch: 460-379593  
Prep Batch: 460-379530  
Leach Batch: N/A  
Units: mg/Kg

Instrument ID: LEEMAN6  
Lab File ID: 071816(TS).CSV  
Initial Weight/Volume: 0.64 g  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.012 U	0.0839	0.0941	112	75 - 125	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-379530**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-117049-D-1-B DU	Analysis Batch: 460-379593	Instrument ID: LEEMAN6
Client Matrix: Solid	Prep Batch: 460-379530	Lab File ID: 071816(TS).CSV
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 0.64 g
Analysis Date: 07/18/2016 0829	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/18/2016 0426		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.012 U	0.012	NC	20	U

**Serial Dilution - Batch: 460-379530**

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID: 460-117049-D-1-A SD ^5	Analysis Batch: 460-379593	Instrument ID: LEEMAN6
Client Matrix: Solid	Prep Batch: 460-379530	Lab File ID: 071816(TS).CSV
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 0.64 g
Analysis Date: 07/18/2016 0916	Units: mg/Kg	Final Weight/Volume: 50 mL
Prep Date: 07/18/2016 0426		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.012 U	0.060	NC		U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379531**

Lab Sample ID: MB 460-379531/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0917  
 Prep Date: 07/18/2016 0453  
 Leach Date: N/A

Analysis Batch: 460-379593  
 Prep Batch: 460-379531  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071816(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

**LCS-Certified Reference Material - Batch: 460-379531**

Lab Sample ID: LCSSRM 460-379531/2-~~F~~  
 Client Matrix: Solid  
 Dilution: 20  
 Analysis Date: 07/18/2016 0919  
 Prep Date: 07/18/2016 0453  
 Leach Date: N/A

Analysis Batch: 460-379593  
 Prep Batch: 460-379531  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071816(TS).CSV  
 Initial Weight/Volume: 0.60 g  
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.3	11.13	90.5	71.5 - 128.5	

**Matrix Spike - Batch: 460-379531**

Lab Sample ID: 460-116994-8  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/18/2016 0925  
 Prep Date: 07/18/2016 0453  
 Leach Date: N/A

Analysis Batch: 460-379593  
 Prep Batch: 460-379531  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7471B  
 Preparation: 7471B**

Instrument ID: LEEMAN6  
 Lab File ID: 071816(TS).CSV  
 Initial Weight/Volume: 0.66 g  
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.061	0.0893	0.195	150	75 - 125	F1

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379531

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID:	460-116994-8	Analysis Batch:	460-379593	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-379531	Lab File ID:	071816(TS).CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	07/18/2016 0923	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/18/2016 0453				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.061	0.0650	6	20	

## Serial Dilution - Batch: 460-379531

**Method: 7471B**  
**Preparation: 7471B**

Lab Sample ID:	460-116994-8	Analysis Batch:	460-379593	Instrument ID:	LEEMAN6
Client Matrix:	Solid	Prep Batch:	460-379531	Lab File ID:	071816(TS).CSV
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	07/18/2016 1010	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/18/2016 0453				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.061	0.064	NC		U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378798**

Lab Sample ID: MB 460-378798/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0940  
 Prep Date: 07/13/2016 0500  
 Leach Date: N/A

Analysis Batch: 460-378837  
 Prep Batch: 460-378798  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	0.81	U	0.81	2.0

**Lab Control Sample Insoluble - Batch: 460-378798**

Lab Sample ID: LCSI 460-378798/3-A  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/13/2016 0940  
 Prep Date: 07/13/2016 0500  
 Leach Date: N/A

Analysis Batch: 460-378837  
 Prep Batch: 460-378798  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	708	741.1	105	80 - 120	

**LCS-Certified Reference Material - Batch: 460-378798**

Lab Sample ID: LCSSRM 460-378798/2-~~A~~  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/13/2016 0940  
 Prep Date: 07/13/2016 0500  
 Leach Date: N/A

Analysis Batch: 460-378837  
 Prep Batch: 460-378798  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	11.3	11.74	104.1	88.7 - 109.9	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Matrix Spike Soluble - Batch: 460-378798

Method: 7196A  
Preparation: 3060A

Lab Sample ID:	460-116627-A-1-M MSS	Analysis Batch:	460-378837	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-378798	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/13/2016 0940	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/13/2016 0500				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.89 U	43.9	41.66	95	75 - 125	

## Matrix Spike Insoluble - Batch: 460-378798

Method: 7196A  
Preparation: 3060A

Lab Sample ID:	460-116627-A-1-N MSI	Analysis Batch:	460-378837	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-378798	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/13/2016 0940	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/13/2016 0500				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.89 U	776	809.9	104	75 - 125	

## Post Digestion Spike - Batch: 460-378798

Method: 7196A  
Preparation: 3060A

Lab Sample ID:	460-116627-A-1-K PDS	Analysis Batch:	460-378837	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-378798	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/13/2016 1010	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/13/2016 0500				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.89 U	43.9	49.02	112	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-378798**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID:	460-116627-A-1-L DU	Analysis Batch:	460-378837	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-378798	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/13/2016 0940	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/13/2016 0500				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	0.89 U	0.89	NC	20	U

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-378812**

**Method: 7196A  
Preparation: N/A**

Lab Sample ID: MB 460-378812/9	Analysis Batch: 460-378812	Instrument ID: WetHexSpec
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume:
Analysis Date: 07/13/2016 0745	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	4.9	U	4.9	10.0

**LCS-Certified Reference Material - Batch: 460-378812**

**Method: 7196A  
Preparation: N/A**

Lab Sample ID: LCSSRM 460-378812/10	Analysis Batch: 460-378812	Instrument ID: WetHexSpec
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume:
Analysis Date: 07/13/2016 0745	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	56.4	55.91	99.1	88.7 - 109.9	

**Matrix Spike - Batch: 460-378812**

**Method: 7196A  
Preparation: N/A**

Lab Sample ID: 460-116851-B-1 MS	Analysis Batch: 460-378812	Instrument ID: WetHexSpec
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume:
Analysis Date: 07/13/2016 0745	Units: ug/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	4.9 U	30.0	29.92	100	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-378812

**Method: 7196A**  
**Preparation: N/A**

Lab Sample ID: 460-116851-B-1 DU  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 07/13/2016 0745  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 460-378812  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ug/L

Instrument ID: WetHexSpec  
Lab File ID: N/A  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	4.9 U	4.9	NC	20	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379011**

Lab Sample ID: MB 460-379011/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1150  
 Prep Date: 07/14/2016 0845  
 Leach Date: N/A

Analysis Batch: 460-379018  
 Prep Batch: 460-379011  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	0.81	U	0.81	2.0

**Lab Control Sample Insoluble - Batch: 460-379011**

Lab Sample ID: LCSI 460-379011/3-A  
 Client Matrix: Solid  
 Dilution: 50  
 Analysis Date: 07/14/2016 1150  
 Prep Date: 07/14/2016 0845  
 Leach Date: N/A

Analysis Batch: 460-379018  
 Prep Batch: 460-379011  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	708	671.9	95	80 - 120	

**LCS-Certified Reference Material - Batch: 460-379011**

Lab Sample ID: LCSSRM 460-379011/2-~~A~~  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 07/14/2016 1150  
 Prep Date: 07/14/2016 0845  
 Leach Date: N/A

Analysis Batch: 460-379018  
 Prep Batch: 460-379011  
 Leach Batch: N/A  
 Units: mg/Kg

**Method: 7196A  
 Preparation: 3060A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume: 2.50 g  
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	11.3	10.77	95.5	88.7 - 109.9	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike Insoluble - Batch: 460-379011**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379018	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379011	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.45 g
Analysis Date: 07/14/2016 1150	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/14/2016 0845		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.98 U	869	762.9	88	75 - 125	

**Matrix Spike Soluble - Batch: 460-379011**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379018	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379011	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.58 g
Analysis Date: 07/14/2016 1150	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/14/2016 0845		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.98 U	46.6	39.81	85	75 - 125	

**Post Digestion Spike - Batch: 460-379011**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379018	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379011	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/14/2016 1150	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/14/2016 0845		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.98 U	48.1	47.73	99	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379011

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID:	460-116858-9	Analysis Batch:	460-379018	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-379011	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/14/2016 1150	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/14/2016 0845				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	0.98 U	0.98	NC	20	U

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379300**

Lab Sample ID: MB 460-379300/9  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1325  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379300  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

**Method: 7196A  
 Preparation: N/A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume:  
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	4.9	U	4.9	10.0

**LCS-Certified Reference Material/  
 LCSD - Certified Reference Material Recovery Report - Batch:  
 460-379300**

LCS Lab Sample ID: LCSSRM 460-379300/10  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1325  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379300  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

**Method: 7196A  
 Preparation: N/A**

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume:  
 Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCDSRM 460-379300/11  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1325  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-379300  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: WetHexSpec  
 Lab File ID: N/A  
 Initial Weight/Volume:  
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chromium, hexavalent	100.1	92.1	88.7 - 109.9	8	20		

**Laboratory Control/  
 Laboratory Duplicate Data Report - Batch: 460-379300**

LCS Lab Sample ID: LCSSRM 460-379300/10 Units: ug/L  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1325  
 Prep Date: N/A  
 Leach Date: N/A

**Method: 7196A  
 Preparation: N/A**

LCSD Lab Sample ID: LCDSRM 460-379300/11  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 07/15/2016 1325  
 Prep Date: N/A  
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chromium, hexavalent	56.4	56.4	56.48	51.96

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-379419**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: MB 460-379419/1-A	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	0.81	U	0.81	2.0

**Lab Control Sample Insoluble - Batch: 460-379419**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: LCSI 460-379419/3-A	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	708	649.8	92	80 - 120	

**LCS-Certified Reference Material - Batch: 460-379419**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: LCSSRM 460-379419/2- <del>A</del>	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	11.3	10.66	94.5	88.7 - 109.9	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike Insoluble - Batch: 460-379419**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.49 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.96 U	838	777.5	93	75 - 125	

**Matrix Spike Soluble - Batch: 460-379419**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.51 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.96 U	47.0	40.59	86	75 - 125	

**Post Digestion Spike - Batch: 460-379419**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379443	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379419	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/15/2016 1723	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/15/2016 1530		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.96 U	47.1	43.83	93	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379419

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID:	460-116994-8	Analysis Batch:	460-379443	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-379419	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/15/2016 1723	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/15/2016 1530				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	0.96 U	0.96	NC	20	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike Insoluble - Batch: 460-379478**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379492	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379478	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/17/2016 1307	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/16/2016 1535		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.93 U	810	805.2	99	75 - 125	

**Matrix Spike Soluble - Batch: 460-379478**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379492	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379478	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/17/2016 1307	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/16/2016 1535		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.93 U	45.8	40.50	88	75 - 125	

**Post Digestion Spike - Batch: 460-379478**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116922-5	Analysis Batch: 460-379492	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-379478	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.49 g
Analysis Date: 07/17/2016 1307	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/16/2016 1535		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	0.93 U	46.0	44.87	98	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379478

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID:	460-116922-5	Analysis Batch:	460-379492	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-379478	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/17/2016 1307	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/16/2016 1535				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	0.93 U	0.93	NC	20	U

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Method Blank - Batch: 460-380031**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: MB 460-380031/1-A	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Chromium, hexavalent	0.81	U	0.81	2.0

**Lab Control Sample Insoluble - Batch: 460-380031**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: LCSI 460-380031/3-A	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	708	692.4	98	80 - 120	

**LCS-Certified Reference Material - Batch: 460-380031**

**Method: 7196A  
Preparation: 3060A**

Lab Sample ID: LCSSRM 460-380031/2- <del>A</del>	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	11.3	10.93	96.9	88.7 - 109.9	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Matrix Spike Insoluble - Batch: 460-380031**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-1	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	1.0 U	869	801.3	92	75 - 125	

**Matrix Spike Soluble - Batch: 460-380031**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-1	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	1.0 U	49.1	44.29	90	75 - 125	

**Post Digestion Spike - Batch: 460-380031**

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID: 460-116994-1	Analysis Batch: 460-380067	Instrument ID: WetHexSpec
Client Matrix: Solid	Prep Batch: 460-380031	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 2.50 g
Analysis Date: 07/20/2016 1329	Units: mg/Kg	Final Weight/Volume: 100 mL
Prep Date: 07/20/2016 0925		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium, hexavalent	1.0 U	49.1	46.72	95	85 - 115	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-380031

**Method: 7196A**  
**Preparation: 3060A**

Lab Sample ID:	460-116994-1	Analysis Batch:	460-380067	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-380031	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	07/20/2016 1329	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	07/20/2016 0925				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium, hexavalent	1.0 U	1.0	NC	20	U

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

**Duplicate - Batch: 460-378889**

**Method: Moisture  
Preparation: N/A**

Lab Sample ID:	460-116811-A-1 DU	Analysis Batch:	460-378889	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/13/2016 1601	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	11.3	11.3	0.3	20	
Percent Solids	88.7	88.7	0	20	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
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**Duplicate - Batch: 460-379325**

**Method: Moisture  
Preparation: N/A**

Lab Sample ID: 460-116858-9	Analysis Batch: 460-379325	Instrument ID: No Equipment Assigned
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume:
Analysis Date: 07/15/2016 1410	Units: %	Final Weight/Volume:
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	16.9	16.9	0	20	
Percent Solids	83.1	83.1	0	20	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379327

**Method: Moisture  
Preparation: N/A**

Lab Sample ID:	460-116894-A-7 DU	Analysis Batch:	460-379327	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/15/2016 1510	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	5.4	5.3	3	20	
Percent Solids	94.6	94.7	0.2	20	

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Duplicate - Batch: 460-379349

**Method: Moisture  
Preparation: N/A**

Lab Sample ID:	460-116958-A-3 DU	Analysis Batch:	460-379349	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/15/2016 1600	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	1.1	1.0	NC	20	U
Percent Solids	98.9	99.1	0.2	20	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
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**Duplicate - Batch: 460-379836**

**Method: Moisture  
Preparation: N/A**

Lab Sample ID: 460-116994-8	Analysis Batch: 460-379836	Instrument ID: No Equipment Assigned
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume:
Analysis Date: 07/19/2016 1145	Units: %	Final Weight/Volume:
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.1	15.1	0.1	20	
Percent Solids	84.9	84.9	0	20	

## DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-116807-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

## DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-116807-1

Lab Section	Qualifier	Description
Metals		
	F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
	F3	Duplicate RPD exceeds the control limit
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Prep Batch: 460-377867</b>					
460-116581-A-13-A MS	Matrix Spike	T	Solid	5035	
460-116581-A-13-A MSD	Matrix Spike Duplicate	T	Solid	5035	
<b>Prep Batch: 460-378456</b>					
460-116771-B-1-A MS	Matrix Spike	T	Solid	5035	
460-116771-B-1-A MSD	Matrix Spike Duplicate	T	Solid	5035	
<b>Prep Batch: 460-378611</b>					
460-116807-1	W108-SB-12 (0-2)	T	Solid	5035	
<b>Prep Batch: 460-378784</b>					
LB3 460-378784/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-116858-1	W108-SB-5(0-2)	T	Solid	5035	
460-116858-2	W108-SB-5(8-10)	T	Solid	5035	
460-116858-7	W108-SB-X(3-4)	T	Solid	5035	
460-116858-9	W108-SB-3(0-2)	T	Solid	5035	
460-116858-9MS	Matrix Spike	T	Solid	5035	
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	5035	
460-116858-10	W108-SB-4(0-2)	T	Solid	5035	
460-116858-12	W108-SB-1(0-2)	T	Solid	5035	
460-116858-13	W108-SB-1(5-7)	T	Solid	5035	
<b>Prep Batch: 460-378794</b>					
460-116858-6	W108-SB-2-(0-2)	T	Solid	5035	
460-116858-8	W108-SB-2(3-4)	T	Solid	5035	
460-116858-11	W108-SB-4(5-7)	T	Solid	5035	
<b>Prep Batch: 460-378935</b>					
LB3 460-378935/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-116922-1	W108-SB-7 (0-2)	T	Solid	5035	
460-116922-2	W108-SB-9 (0-2)	T	Solid	5035	
460-116922-3	W108-SB-8 (0-2)	T	Solid	5035	
460-116922-4	W108-SB-10 (0-2)	T	Solid	5035	
460-116922-5	W108-SB-6 (0-2)	T	Solid	5035	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:460-378974</b>					
LCS 460-378974/3	Lab Control Sample	T	Solid	8260C	
MB 460-378974/7	Method Blank	T	Solid	8260C	
LB3 460-378784/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-378784
460-116858-9	W108-SB-3(0-2)	T	Solid	8260C	460-378784
460-116858-9MS	Matrix Spike	T	Solid	8260C	460-378784
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	8260C	460-378784
460-116858-10	W108-SB-4(0-2)	T	Solid	8260C	460-378784
460-116858-12	W108-SB-1(0-2)	T	Solid	8260C	460-378784
<b>Analysis Batch:460-378976</b>					
LCS 460-378976/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-378976/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-378976/7	Method Blank	T	Solid	8260C	
LB3 460-378935/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-378935
<b>Analysis Batch:460-379053</b>					
LCS 460-379053/3	Lab Control Sample	T	Solid	8260C	
MB 460-379053/8	Method Blank	T	Solid	8260C	
460-116581-A-13-A MS	Matrix Spike	T	Solid	8260C	460-377867
460-116581-A-13-A MSD	Matrix Spike Duplicate	T	Solid	8260C	460-377867
460-116858-6	W108-SB-2-(0-2)	T	Solid	8260C	460-378794
<b>Analysis Batch:460-379129</b>					
LCS 460-379129/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-379129/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-379129/7	Method Blank	T	Solid	8260C	
460-116922-1	W108-SB-7 (0-2)	T	Solid	8260C	460-378935
460-116922-2	W108-SB-9 (0-2)	T	Solid	8260C	460-378935
460-116922-3	W108-SB-8 (0-2)	T	Solid	8260C	460-378935
460-116922-4	W108-SB-10 (0-2)	T	Solid	8260C	460-378935
460-116922-5	W108-SB-6 (0-2)	T	Solid	8260C	460-378935
<b>Analysis Batch:460-379152</b>					
LCS 460-379152/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-379152/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-379152/7	Method Blank	T	Solid	8260C	
460-116858-1	W108-SB-5(0-2)	T	Solid	8260C	460-378784
460-116858-2	W108-SB-5(8-10)	T	Solid	8260C	460-378784
460-116858-7	W108-SB-X(3-4)	T	Solid	8260C	460-378784
460-116858-13	W108-SB-1(5-7)	T	Solid	8260C	460-378784

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:460-379154</b>					
LCS 460-379154/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-379154/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-379154/7	Method Blank	T	Solid	8260C	
460-116858-8	W108-SB-2(3-4)	T	Solid	8260C	460-378794
<b>Prep Batch: 460-379235</b>					
LB3 460-379235/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-116994-1	W108-SB-13(0-2)	T	Solid	5035	
460-116994-2	W108-SB-14(0-2)	T	Solid	5035	
460-116994-3	W108-SB-Y	T	Solid	5035	
460-116994-4	W108-SB-12C(0-2)	T	Solid	5035	
460-116994-5	W108-SB-12B(0-2)	T	Solid	5035	
460-116994-6	W108-SB-11(0-2)	T	Solid	5035	
460-116994-7	W108-SB-12B(2-4)	T	Solid	5035	
460-116994-8	W108-SB-15(0-2)	T	Solid	5035	
460-116994-8MS	Matrix Spike	T	Solid	5035	
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	5035	
<b>Analysis Batch:460-379260</b>					
LCS 460-379260/5	Lab Control Sample	T	Solid	8260C	
MB 460-379260/9	Method Blank	T	Solid	8260C	
460-116771-B-1-A MS	Matrix Spike	T	Solid	8260C	460-378456
460-116771-B-1-A MSD	Matrix Spike Duplicate	T	Solid	8260C	460-378456
460-116858-11	W108-SB-4(5-7)	T	Solid	8260C	460-378794
<b>Analysis Batch:460-379337</b>					
LCS 460-379337/3	Lab Control Sample	T	Water	8260C	
LCSD 460-379337/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-379337/7	Method Blank	T	Water	8260C	
460-116858-5FB	FB20160712	T	Water	8260C	
460-116994-10FB	FB20160714	T	Water	8260C	
<b>Analysis Batch:460-379412</b>					
LCS 460-379412/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-379412/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-379412/7	Method Blank	T	Solid	8260C	
460-116807-1	W108-SB-12 (0-2)	T	Solid	8260C	460-378611
<b>Analysis Batch:460-379422</b>					
LCS 460-379422/3	Lab Control Sample	T	Water	8260C	
MB 460-379422/7	Method Blank	T	Water	8260C	
460-116741-B-1 MS	Matrix Spike	T	Water	8260C	
460-116741-B-1 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-116858-4TB	TB20160712	T	Water	8260C	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:460-379471</b>					
LCS 460-379471/3	Lab Control Sample	T	Solid	8260C	
MB 460-379471/7	Method Blank	T	Solid	8260C	
LB3 460-379235/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-379235
460-116994-1	W108-SB-13(0-2)	T	Solid	8260C	460-379235
460-116994-2	W108-SB-14(0-2)	T	Solid	8260C	460-379235
460-116994-3	W108-SB-Y	T	Solid	8260C	460-379235
460-116994-6	W108-SB-11(0-2)	T	Solid	8260C	460-379235
460-116994-7	W108-SB-12B(2-4)	T	Solid	8260C	460-379235
460-116994-8	W108-SB-15(0-2)	T	Solid	8260C	460-379235
460-116994-8MS	Matrix Spike	T	Solid	8260C	460-379235
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	8260C	460-379235
<b>Analysis Batch:460-379524</b>					
LCS 460-379524/4	Lab Control Sample	T	Solid	8260C	
LCSD 460-379524/5	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-379524/8	Method Blank	T	Solid	8260C	
460-116994-4	W108-SB-12C(0-2)	T	Solid	8260C	460-379235
460-116994-5	W108-SB-12B(0-2)	T	Solid	8260C	460-379235
<b>Analysis Batch:460-380463</b>					
LCS 460-380463/3	Lab Control Sample	T	Water	8260C	
MB 460-380463/7	Method Blank	T	Water	8260C	
460-117128-C-3 MS	Matrix Spike	T	Water	8260C	
460-117128-C-3 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-117248-1TB	TB20160714	T	Water	8260C	

**Report Basis**

T = Total

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Prep Batch: 460-378878</b>					
LCS 460-378878/2-A	Lab Control Sample	T	Water	3510C	
LCS 460-378878/4-A	Lab Control Sample	T	Water	3510C	
LCSD 460-378878/3-A	Lab Control Sample Duplicate	T	Water	3510C	
LCSD 460-378878/5-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-378878/1-A	Method Blank	T	Water	3510C	
460-116858-5FB	FB20160712	T	Water	3510C	
<b>Analysis Batch:460-378964</b>					
LCS 460-378878/2-A	Lab Control Sample	T	Water	8270D	460-378878
LCS 460-378878/4-A	Lab Control Sample	T	Water	8270D	460-378878
LCSD 460-378878/3-A	Lab Control Sample Duplicate	T	Water	8270D	460-378878
LCSD 460-378878/5-A	Lab Control Sample Duplicate	T	Water	8270D	460-378878
MB 460-378878/1-A	Method Blank	T	Water	8270D	460-378878
460-116858-5FB	FB20160712	T	Water	8270D	460-378878
<b>Prep Batch: 460-379071</b>					
LCS 460-379071/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-379071/3-A	Lab Control Sample	T	Solid	3546	
MB 460-379071/1-A	Method Blank	T	Solid	3546	
460-116902-D-4-C MS	Matrix Spike	T	Solid	3546	
460-116902-D-4-D MSD	Matrix Spike Duplicate	T	Solid	3546	
460-116922-1	W108-SB-7 (0-2)	T	Solid	3546	
460-116922-2	W108-SB-9 (0-2)	T	Solid	3546	
460-116922-3	W108-SB-8 (0-2)	T	Solid	3546	
460-116922-4	W108-SB-10 (0-2)	T	Solid	3546	
460-116922-5	W108-SB-6 (0-2)	T	Solid	3546	
<b>Prep Batch: 460-379075</b>					
LCS 460-379075/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-379075/3-A	Lab Control Sample	T	Solid	3546	
MB 460-379075/1-A	Method Blank	T	Solid	3546	
460-116807-1	W108-SB-12 (0-2)	T	Solid	3546	
460-116858-1	W108-SB-5(0-2)	T	Solid	3546	
460-116858-2	W108-SB-5(8-10)	T	Solid	3546	
460-116858-6	W108-SB-2-(0-2)	T	Solid	3546	
460-116858-7	W108-SB-X(3-4)	T	Solid	3546	
460-116858-8	W108-SB-2(3-4)	T	Solid	3546	
460-116858-9	W108-SB-3(0-2)	T	Solid	3546	
460-116858-9MS	Matrix Spike	T	Solid	3546	
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	3546	
460-116858-10	W108-SB-4(0-2)	T	Solid	3546	
460-116858-11	W108-SB-4(5-7)	T	Solid	3546	
460-116858-12	W108-SB-1(0-2)	T	Solid	3546	
460-116858-13	W108-SB-1(5-7)	T	Solid	3546	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Analysis Batch:460-379174</b>					
LCS 460-379071/2-A	Lab Control Sample	T	Solid	8270D	460-379071
LCS 460-379071/3-A	Lab Control Sample	T	Solid	8270D	460-379071
MB 460-379071/1-A	Method Blank	T	Solid	8270D	460-379071
460-116902-D-4-C MS	Matrix Spike	T	Solid	8270D	460-379071
460-116902-D-4-D MSD	Matrix Spike Duplicate	T	Solid	8270D	460-379071
460-116922-2	W108-SB-9 (0-2)	T	Solid	8270D	460-379071
460-116922-3	W108-SB-8 (0-2)	T	Solid	8270D	460-379071
460-116922-4	W108-SB-10 (0-2)	T	Solid	8270D	460-379071
460-116922-5	W108-SB-6 (0-2)	T	Solid	8270D	460-379071
<b>Analysis Batch:460-379179</b>					
LCS 460-379075/2-A	Lab Control Sample	T	Solid	8270D	460-379075
LCS 460-379075/3-A	Lab Control Sample	T	Solid	8270D	460-379075
MB 460-379075/1-A	Method Blank	T	Solid	8270D	460-379075
460-116858-6	W108-SB-2-(0-2)	T	Solid	8270D	460-379075
460-116858-7	W108-SB-X(3-4)	T	Solid	8270D	460-379075
460-116858-8	W108-SB-2(3-4)	T	Solid	8270D	460-379075
460-116858-9	W108-SB-3(0-2)	T	Solid	8270D	460-379075
460-116858-9MS	Matrix Spike	T	Solid	8270D	460-379075
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	8270D	460-379075
460-116858-10	W108-SB-4(0-2)	T	Solid	8270D	460-379075
460-116858-11	W108-SB-4(5-7)	T	Solid	8270D	460-379075
460-116858-12	W108-SB-1(0-2)	T	Solid	8270D	460-379075
460-116858-13	W108-SB-1(5-7)	T	Solid	8270D	460-379075
<b>Analysis Batch:460-379270</b>					
460-116807-1	W108-SB-12 (0-2)	T	Solid	8270D	460-379075
460-116922-1	W108-SB-7 (0-2)	T	Solid	8270D	460-379071
<b>Prep Batch: 460-379309</b>					
LCS 460-379309/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-379309/3-A	Lab Control Sample	T	Solid	3546	
MB 460-379309/1-A	Method Blank	T	Solid	3546	
460-116994-1	W108-SB-13(0-2)	T	Solid	3546	
460-116994-2	W108-SB-14(0-2)	T	Solid	3546	
460-116994-3	W108-SB-Y	T	Solid	3546	
460-116994-4	W108-SB-12C(0-2)	T	Solid	3546	
460-116994-5	W108-SB-12B(0-2)	T	Solid	3546	
460-116994-6	W108-SB-11(0-2)	T	Solid	3546	
460-116994-7	W108-SB-12B(2-4)	T	Solid	3546	
460-116994-8	W108-SB-15(0-2)	T	Solid	3546	
460-116994-8MS	Matrix Spike	T	Solid	3546	
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	3546	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Prep Batch: 460-379320</b>					
LCS 460-379320/2-A	Lab Control Sample	T	Water	3510C	
LCS 460-379320/3-A	Lab Control Sample	T	Water	3510C	
MB 460-379320/1-A	Method Blank	T	Water	3510C	
460-116960-G-1-A MS	Matrix Spike	T	Water	3510C	
460-116960-D-1-A MSD	Matrix Spike Duplicate	T	Water	3510C	
460-116994-10FB	FB20160714	T	Water	3510C	
<b>Analysis Batch:460-379378</b>					
LCS 460-379320/2-A	Lab Control Sample	T	Water	8270D	460-379320
LCS 460-379320/3-A	Lab Control Sample	T	Water	8270D	460-379320
MB 460-379320/1-A	Method Blank	T	Water	8270D	460-379320
460-116960-G-1-A MS	Matrix Spike	T	Water	8270D	460-379320
460-116960-D-1-A MSD	Matrix Spike Duplicate	T	Water	8270D	460-379320
460-116994-10FB	FB20160714	T	Water	8270D	460-379320
<b>Analysis Batch:460-379515</b>					
460-116858-1	W108-SB-5(0-2)	T	Solid	8270D	460-379075
460-116858-2	W108-SB-5(8-10)	T	Solid	8270D	460-379075
<b>Analysis Batch:460-379720</b>					
LCS 460-379309/2-A	Lab Control Sample	T	Solid	8270D	460-379309
LCS 460-379309/3-A	Lab Control Sample	T	Solid	8270D	460-379309
MB 460-379309/1-A	Method Blank	T	Solid	8270D	460-379309
460-116994-1	W108-SB-13(0-2)	T	Solid	8270D	460-379309
460-116994-2	W108-SB-14(0-2)	T	Solid	8270D	460-379309
460-116994-3	W108-SB-Y	T	Solid	8270D	460-379309
460-116994-4	W108-SB-12C(0-2)	T	Solid	8270D	460-379309
460-116994-5	W108-SB-12B(0-2)	T	Solid	8270D	460-379309
460-116994-6	W108-SB-11(0-2)	T	Solid	8270D	460-379309
460-116994-7	W108-SB-12B(2-4)	T	Solid	8270D	460-379309
<b>Analysis Batch:460-379971</b>					
460-116994-8	W108-SB-15(0-2)	T	Solid	8270D	460-379309
460-116994-8MS	Matrix Spike	T	Solid	8270D	460-379309
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	8270D	460-379309

**Report Basis**

T = Total

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Prep Batch: 460-378662</b>					
LB 460-378662/1-C	TCLP SPLPE Leachate Blank	T	Water		
<b>Prep Batch: 460-378802</b>					
LCS 460-378802/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-378802/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-378802/1-A	Method Blank	T	Water	3510C	
LB 460-378662/1-C	TCLP SPLPE Leachate Blank	T	Water	3510C	460-378662
460-116858-5FB	FB20160712	T	Water	3510C	
<b>Prep Batch: 460-378807</b>					
LCS 460-378807/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-378807/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-378807/1-A	Method Blank	T	Water	3510C	
460-116858-5FB	FB20160712	T	Water	3510C	
<b>Analysis Batch:460-378894</b>					
LCS 460-378802/2-A	Lab Control Sample	T	Water	8081B	460-378802
LCSD 460-378802/3-A	Lab Control Sample Duplicate	T	Water	8081B	460-378802
MB 460-378802/1-A	Method Blank	T	Water	8081B	460-378802
460-116858-5FB	FB20160712	T	Water	8081B	460-378802
<b>Analysis Batch:460-378903</b>					
LCS 460-378807/2-A	Lab Control Sample	T	Water	8082A	460-378807
LCSD 460-378807/3-A	Lab Control Sample Duplicate	T	Water	8082A	460-378807
MB 460-378807/1-A	Method Blank	T	Water	8082A	460-378807
460-116858-5FB	FB20160712	T	Water	8082A	460-378807
<b>Prep Batch: 460-378922</b>					
LCS 460-378922/2-A	Lab Control Sample	T	Solid	3546	
MB 460-378922/1-A	Method Blank	T	Solid	3546	
460-116794-B-1-E MS	Matrix Spike	T	Solid	3546	
460-116794-B-1-F MSD	Matrix Spike Duplicate	T	Solid	3546	
460-116807-1	W108-SB-12 (0-2)	T	Solid	3546	
<b>Prep Batch: 460-378924</b>					
LCS 460-378924/2-A	Lab Control Sample	T	Solid	3546	
MB 460-378924/1-A	Method Blank	T	Solid	3546	
460-116807-1	W108-SB-12 (0-2)	T	Solid	3546	
460-116815-A-1-D MS	Matrix Spike	T	Solid	3546	
460-116815-A-1-E MSD	Matrix Spike Duplicate	T	Solid	3546	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Analysis Batch:460-378969</b>					
LCS 460-378924/2-A	Lab Control Sample	T	Solid	8081B	460-378924
MB 460-378924/1-A	Method Blank	T	Solid	8081B	460-378924
460-116807-1	W108-SB-12 (0-2)	T	Solid	8081B	460-378924
460-116815-A-1-D MS	Matrix Spike	T	Solid	8081B	460-378924
460-116815-A-1-E MSD	Matrix Spike Duplicate	T	Solid	8081B	460-378924
<b>Analysis Batch:460-378970</b>					
LCS 460-378922/2-A	Lab Control Sample	T	Solid	8082A	460-378922
MB 460-378922/1-A	Method Blank	T	Solid	8082A	460-378922
460-116794-B-1-E MS	Matrix Spike	T	Solid	8082A	460-378922
460-116794-B-1-F MSD	Matrix Spike Duplicate	T	Solid	8082A	460-378922
460-116807-1	W108-SB-12 (0-2)	T	Solid	8082A	460-378922
<b>Analysis Batch:460-379001</b>					
LB 460-378662/1-C	TCLP SPLPE Leachate Blank	T	Water	8081B	460-378802
<b>Prep Batch: 460-379169</b>					
LCS 460-379169/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-379169/2-ARA	Lab Control Sample	T	Solid	3546	
MB 460-379169/1-A	Method Blank	T	Solid	3546	
MB 460-379169/1-ARA	Method Blank	T	Solid	3546	
460-116858-1	W108-SB-5(0-2)	T	Solid	3546	
460-116858-2	W108-SB-5(8-10)	T	Solid	3546	
460-116858-6	W108-SB-2-(0-2)	T	Solid	3546	
460-116858-7	W108-SB-X(3-4)	T	Solid	3546	
460-116858-8	W108-SB-2(3-4)	T	Solid	3546	
460-116858-9	W108-SB-3(0-2)	T	Solid	3546	
460-116858-9MS	Matrix Spike	T	Solid	3546	
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	3546	
460-116858-10	W108-SB-4(0-2)	T	Solid	3546	
<b>Prep Batch: 460-379172</b>					
LCS 460-379172/2-A	Lab Control Sample	T	Solid	3546	
MB 460-379172/1-A	Method Blank	T	Solid	3546	
460-116858-1	W108-SB-5(0-2)	T	Solid	3546	
460-116858-2	W108-SB-5(8-10)	T	Solid	3546	
460-116858-6	W108-SB-2-(0-2)	T	Solid	3546	
460-116858-7	W108-SB-X(3-4)	T	Solid	3546	
460-116858-8	W108-SB-2(3-4)	T	Solid	3546	
460-116858-9	W108-SB-3(0-2)	T	Solid	3546	
460-116858-9MS	Matrix Spike	T	Solid	3546	
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	3546	
460-116858-10	W108-SB-4(0-2)	T	Solid	3546	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Analysis Batch:460-379213</b>					
LCS 460-379169/2-A	Lab Control Sample	T	Solid	8082A	460-379169
LCS 460-379169/2-ARA	Lab Control Sample	T	Solid	8082A	460-379169
MB 460-379169/1-A	Method Blank	T	Solid	8082A	460-379169
MB 460-379169/1-ARA	Method Blank	T	Solid	8082A	460-379169
460-116858-1	W108-SB-5(0-2)	T	Solid	8082A	460-379169
460-116858-2	W108-SB-5(8-10)	T	Solid	8082A	460-379169
460-116858-6	W108-SB-2-(0-2)	T	Solid	8082A	460-379169
460-116858-7	W108-SB-X(3-4)	T	Solid	8082A	460-379169
460-116858-8	W108-SB-2(3-4)	T	Solid	8082A	460-379169
460-116858-9	W108-SB-3(0-2)	T	Solid	8082A	460-379169
460-116858-9MS	Matrix Spike	T	Solid	8082A	460-379169
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	8082A	460-379169
460-116858-10	W108-SB-4(0-2)	T	Solid	8082A	460-379169
<b>Analysis Batch:460-379216</b>					
LCS 460-379172/2-A	Lab Control Sample	T	Solid	8081B	460-379172
MB 460-379172/1-A	Method Blank	T	Solid	8081B	460-379172
460-116858-1	W108-SB-5(0-2)	T	Solid	8081B	460-379172
460-116858-2	W108-SB-5(8-10)	T	Solid	8081B	460-379172
460-116858-6	W108-SB-2-(0-2)	T	Solid	8081B	460-379172
460-116858-7	W108-SB-X(3-4)	T	Solid	8081B	460-379172
460-116858-8	W108-SB-2(3-4)	T	Solid	8081B	460-379172
460-116858-9	W108-SB-3(0-2)	T	Solid	8081B	460-379172
460-116858-9MS	Matrix Spike	T	Solid	8081B	460-379172
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	8081B	460-379172
460-116858-10	W108-SB-4(0-2)	T	Solid	8081B	460-379172
<b>Prep Batch: 460-379236</b>					
LCS 460-379236/2-A	Lab Control Sample	T	Water	3510C	
MB 460-379236/1-A	Method Blank	T	Water	3510C	
460-116966-G-4-A MS	Matrix Spike	T	Water	3510C	
460-116966-I-4-A MSD	Matrix Spike Duplicate	T	Water	3510C	
460-116994-10FB	FB20160714	T	Water	3510C	
<b>Prep Batch: 460-379239</b>					
LCS 460-379239/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-379239/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-379239/1-A	Method Blank	T	Water	3510C	
460-116994-10FB	FB20160714	T	Water	3510C	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Prep Batch: 460-379394</b>					
LCS 460-379394/2-A	Lab Control Sample	T	Solid	3546	
LCS 460-379394/2-ARA	Lab Control Sample	T	Solid	3546	
MB 460-379394/1-A	Method Blank	T	Solid	3546	
MB 460-379394/1-ARA	Method Blank	T	Solid	3546	
460-116858-11	W108-SB-4(5-7)	T	Solid	3546	
460-116858-12	W108-SB-1(0-2)	T	Solid	3546	
460-116858-13	W108-SB-1(5-7)	T	Solid	3546	
460-116922-1	W108-SB-7 (0-2)	T	Solid	3546	
460-116922-2	W108-SB-9 (0-2)	T	Solid	3546	
460-116922-3	W108-SB-8 (0-2)	T	Solid	3546	
460-116922-4	W108-SB-10 (0-2)	T	Solid	3546	
460-116922-5	W108-SB-6 (0-2)	T	Solid	3546	
460-116922-5MS	Matrix Spike	T	Solid	3546	
460-116922-5MSD	Matrix Spike Duplicate	T	Solid	3546	
<b>Prep Batch: 460-379397</b>					
LCS 460-379397/2-A	Lab Control Sample	T	Solid	3546	
MB 460-379397/1-A	Method Blank	T	Solid	3546	
460-116858-11	W108-SB-4(5-7)	T	Solid	3546	
460-116858-12	W108-SB-1(0-2)	T	Solid	3546	
460-116858-13	W108-SB-1(5-7)	T	Solid	3546	
460-116922-1	W108-SB-7 (0-2)	T	Solid	3546	
460-116922-2	W108-SB-9 (0-2)	T	Solid	3546	
460-116922-3	W108-SB-8 (0-2)	T	Solid	3546	
460-116922-4	W108-SB-10 (0-2)	T	Solid	3546	
460-116922-5	W108-SB-6 (0-2)	T	Solid	3546	
460-116922-5MS	Matrix Spike	T	Solid	3546	
460-116922-5MSD	Matrix Spike Duplicate	T	Solid	3546	
<b>Prep Batch: 460-379501</b>					
LCS 460-379501/2-A	Lab Control Sample	T	Solid	3546	
MB 460-379501/1-A	Method Blank	T	Solid	3546	
460-116994-1	W108-SB-13(0-2)	T	Solid	3546	
460-116994-2	W108-SB-14(0-2)	T	Solid	3546	
460-116994-3	W108-SB-Y	T	Solid	3546	
460-116994-4	W108-SB-12C(0-2)	T	Solid	3546	
460-116994-5	W108-SB-12B(0-2)	T	Solid	3546	
460-116994-6	W108-SB-11(0-2)	T	Solid	3546	
460-116994-7	W108-SB-12B(2-4)	T	Solid	3546	
460-116994-8	W108-SB-15(0-2)	T	Solid	3546	
460-116994-8MS	Matrix Spike	T	Solid	3546	
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	3546	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Prep Batch: 460-379502</b>					
LCS 460-379502/2-A	Lab Control Sample	T	Solid	3546	
MB 460-379502/1-A	Method Blank	T	Solid	3546	
460-116994-1	W108-SB-13(0-2)	T	Solid	3546	
460-116994-2	W108-SB-14(0-2)	T	Solid	3546	
460-116994-3	W108-SB-Y	T	Solid	3546	
460-116994-4	W108-SB-12C(0-2)	T	Solid	3546	
460-116994-5	W108-SB-12B(0-2)	T	Solid	3546	
460-116994-6	W108-SB-11(0-2)	T	Solid	3546	
460-116994-7	W108-SB-12B(2-4)	T	Solid	3546	
460-116994-8	W108-SB-15(0-2)	T	Solid	3546	
460-116994-8MS	Matrix Spike	T	Solid	3546	
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	3546	
<b>Analysis Batch:460-379548</b>					
LCS 460-379501/2-A	Lab Control Sample	T	Solid	8081B	460-379501
MB 460-379501/1-A	Method Blank	T	Solid	8081B	460-379501
460-116994-1	W108-SB-13(0-2)	T	Solid	8081B	460-379501
460-116994-2	W108-SB-14(0-2)	T	Solid	8081B	460-379501
460-116994-3	W108-SB-Y	T	Solid	8081B	460-379501
460-116994-4	W108-SB-12C(0-2)	T	Solid	8081B	460-379501
460-116994-5	W108-SB-12B(0-2)	T	Solid	8081B	460-379501
460-116994-6	W108-SB-11(0-2)	T	Solid	8081B	460-379501
460-116994-7	W108-SB-12B(2-4)	T	Solid	8081B	460-379501
460-116994-8	W108-SB-15(0-2)	T	Solid	8081B	460-379501
460-116994-8MS	Matrix Spike	T	Solid	8081B	460-379501
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	8081B	460-379501
<b>Analysis Batch:460-379549</b>					
LCS 460-379236/2-A	Lab Control Sample	T	Water	8081B	460-379236
MB 460-379236/1-A	Method Blank	T	Water	8081B	460-379236
460-116966-G-4-A MS	Matrix Spike	T	Water	8081B	460-379236
460-116966-I-4-A MSD	Matrix Spike Duplicate	T	Water	8081B	460-379236
460-116994-10FB	FB20160714	T	Water	8081B	460-379236
<b>Analysis Batch:460-379554</b>					
LCS 460-379239/2-A	Lab Control Sample	T	Water	8082A	460-379239
LCSD 460-379239/3-A	Lab Control Sample Duplicate	T	Water	8082A	460-379239
MB 460-379239/1-A	Method Blank	T	Water	8082A	460-379239
460-116994-10FB	FB20160714	T	Water	8082A	460-379239

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Analysis Batch:460-379556</b>					
LCS 460-379397/2-A	Lab Control Sample	T	Solid	8082A	460-379397
MB 460-379397/1-A	Method Blank	T	Solid	8082A	460-379397
460-116858-11	W108-SB-4(5-7)	T	Solid	8082A	460-379397
460-116858-12	W108-SB-1(0-2)	T	Solid	8082A	460-379397
460-116858-13	W108-SB-1(5-7)	T	Solid	8082A	460-379397
460-116922-1	W108-SB-7 (0-2)	T	Solid	8082A	460-379397
460-116922-2	W108-SB-9 (0-2)	T	Solid	8082A	460-379397
460-116922-3	W108-SB-8 (0-2)	T	Solid	8082A	460-379397
460-116922-4	W108-SB-10 (0-2)	T	Solid	8082A	460-379397
460-116922-5	W108-SB-6 (0-2)	T	Solid	8082A	460-379397
460-116922-5MS	Matrix Spike	T	Solid	8082A	460-379397
460-116922-5MSD	Matrix Spike Duplicate	T	Solid	8082A	460-379397
<b>Analysis Batch:460-379595</b>					
LCS 460-379394/2-A	Lab Control Sample	T	Solid	8081B	460-379394
MB 460-379394/1-A	Method Blank	T	Solid	8081B	460-379394
460-116858-12	W108-SB-1(0-2)	T	Solid	8081B	460-379394
460-116858-13	W108-SB-1(5-7)	T	Solid	8081B	460-379394
460-116922-1	W108-SB-7 (0-2)	T	Solid	8081B	460-379394
460-116922-2	W108-SB-9 (0-2)	T	Solid	8081B	460-379394
460-116922-3	W108-SB-8 (0-2)	T	Solid	8081B	460-379394
460-116922-4	W108-SB-10 (0-2)	T	Solid	8081B	460-379394
460-116922-5	W108-SB-6 (0-2)	T	Solid	8081B	460-379394
460-116922-5MS	Matrix Spike	T	Solid	8081B	460-379394
460-116922-5MSD	Matrix Spike Duplicate	T	Solid	8081B	460-379394
<b>Analysis Batch:460-379648</b>					
LCS 460-379502/2-A	Lab Control Sample	T	Solid	8082A	460-379502
MB 460-379502/1-A	Method Blank	T	Solid	8082A	460-379502
460-116994-1	W108-SB-13(0-2)	T	Solid	8082A	460-379502
460-116994-3	W108-SB-Y	T	Solid	8082A	460-379502
460-116994-4	W108-SB-12C(0-2)	T	Solid	8082A	460-379502
460-116994-6	W108-SB-11(0-2)	T	Solid	8082A	460-379502
460-116994-7	W108-SB-12B(2-4)	T	Solid	8082A	460-379502
460-116994-8	W108-SB-15(0-2)	T	Solid	8082A	460-379502
460-116994-8MS	Matrix Spike	T	Solid	8082A	460-379502
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	8082A	460-379502
<b>Analysis Batch:460-379777</b>					
LCS 460-379394/2-ARA	Lab Control Sample	T	Solid	8081B	460-379394
MB 460-379394/1-ARA	Method Blank	T	Solid	8081B	460-379394
460-116858-11	W108-SB-4(5-7)	T	Solid	8081B	460-379394

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Analysis Batch:460-379779</b>					
460-116994-2	W108-SB-14(0-2)	T	Solid	8082A	460-379502
460-116994-5	W108-SB-12B(0-2)	T	Solid	8082A	460-379502

#### Report Basis

T = Total

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-378753</b>					
LCSSRM 460-378753/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-378753/10-A	Method Blank	T	Solid	7471B	
460-116768-A-1-B DU	Duplicate	T	Solid	7471B	
460-116768-A-1-C MS	Matrix Spike	T	Solid	7471B	
460-116807-1	W108-SB-12 (0-2)	T	Solid	7471B	
<b>Prep Batch: 460-378760</b>					
LCSSRM 460-378760/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	
MB 460-378760/1-A	Method Blank	T	Solid	7471B	
460-116858-1	W108-SB-5(0-2)	T	Solid	7471B	
460-116858-2	W108-SB-5(8-10)	T	Solid	7471B	
460-116858-6	W108-SB-2(0-2)	T	Solid	7471B	
460-116858-7	W108-SB-X(3-4)	T	Solid	7471B	
460-116858-8	W108-SB-2(3-4)	T	Solid	7471B	
460-116858-9	W108-SB-3(0-2)	T	Solid	7471B	
460-116858-9DU	Duplicate	T	Solid	7471B	
460-116858-9MS	Matrix Spike	T	Solid	7471B	
460-116858-10	W108-SB-4(0-2)	T	Solid	7471B	
460-116858-11	W108-SB-4(5-7)	T	Solid	7471B	
460-116858-12	W108-SB-1(0-2)	T	Solid	7471B	
460-116858-13	W108-SB-1(5-7)	T	Solid	7471B	
<b>Prep Batch: 460-378796</b>					
LCSSRM 460-378796/2-A	^10LCS-Certified Reference Material	T	Solid	3050B	
MB 460-378796/1-A	^20 Method Blank	T	Solid	3050B	
460-116807-1	W108-SB-12 (0-2)	T	Solid	3050B	
460-116858-1	W108-SB-5(0-2)	T	Solid	3050B	
460-116858-2	W108-SB-5(8-10)	T	Solid	3050B	
460-116858-6	W108-SB-2(0-2)	T	Solid	3050B	
460-116858-7	W108-SB-X(3-4)	T	Solid	3050B	
460-116858-8	W108-SB-2(3-4)	T	Solid	3050B	
460-116858-9	W108-SB-3(0-2)	T	Solid	3050B	
460-116858-9DU	Duplicate	T	Solid	3050B	
460-116858-9MS	Matrix Spike	T	Solid	3050B	
460-116858-10	W108-SB-4(0-2)	T	Solid	3050B	
460-116858-11	W108-SB-4(5-7)	T	Solid	3050B	
460-116858-12	W108-SB-1(0-2)	T	Solid	3050B	
460-116858-13	W108-SB-1(5-7)	T	Solid	3050B	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Analysis Batch:460-378820</b>					
LCSSRM 460-378753/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	460-378753
MB 460-378753/10-A	Method Blank	T	Solid	7471B	460-378753
LCSSRM 460-378760/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	460-378760
MB 460-378760/1-A	Method Blank	T	Solid	7471B	460-378760
460-116768-A-1-B DU	Duplicate	T	Solid	7471B	460-378753
460-116768-A-1-C MS	Matrix Spike	T	Solid	7471B	460-378753
460-116807-1	W108-SB-12 (0-2)	T	Solid	7471B	460-378753
460-116858-1	W108-SB-5(0-2)	T	Solid	7471B	460-378760
460-116858-2	W108-SB-5(8-10)	T	Solid	7471B	460-378760
460-116858-6	W108-SB-2-(0-2)	T	Solid	7471B	460-378760
460-116858-7	W108-SB-X(3-4)	T	Solid	7471B	460-378760
460-116858-8	W108-SB-2(3-4)	T	Solid	7471B	460-378760
460-116858-9	W108-SB-3(0-2)	T	Solid	7471B	460-378760
460-116858-9DU	Duplicate	T	Solid	7471B	460-378760
460-116858-9MS	Matrix Spike	T	Solid	7471B	460-378760
460-116858-10	W108-SB-4(0-2)	T	Solid	7471B	460-378760
460-116858-11	W108-SB-4(5-7)	T	Solid	7471B	460-378760
460-116858-12	W108-SB-1(0-2)	T	Solid	7471B	460-378760
460-116858-13	W108-SB-1(5-7)	T	Solid	7471B	460-378760
<b>Prep Batch: 460-378838</b>					
LCS 460-378838/2-A	Lab Control Sample	T	Water	7470A	
MB 460-378838/1-A	Method Blank	T	Water	7470A	
460-116858-5FB	FB20160712	T	Water	7470A	
460-116860-A-3-B DU	Duplicate	T	Water	7470A	
460-116860-A-3-C MS	Matrix Spike	T	Water	7470A	
<b>Analysis Batch:460-378906</b>					
LCS 460-378838/2-A	Lab Control Sample	T	Water	7470A	460-378838
MB 460-378838/1-A	Method Blank	T	Water	7470A	460-378838
460-116858-5FB	FB20160712	T	Water	7470A	460-378838
460-116860-A-3-B DU	Duplicate	T	Water	7470A	460-378838
460-116860-A-3-C MS	Matrix Spike	T	Water	7470A	460-378838
<b>Prep Batch: 460-378973</b>					
LCSSRM 460-378973/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-378973/10-A	Method Blank	T	Solid	7471B	
460-116816-A-14-B DU	Duplicate	T	Solid	7471B	
460-116816-A-14-C MS	Matrix Spike	T	Solid	7471B	
460-116922-1	W108-SB-7 (0-2)	T	Solid	7471B	
460-116922-2	W108-SB-9 (0-2)	T	Solid	7471B	
460-116922-3	W108-SB-8 (0-2)	T	Solid	7471B	
460-116922-4	W108-SB-10 (0-2)	T	Solid	7471B	
460-116922-5	W108-SB-6 (0-2)	T	Solid	7471B	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-378992</b>					
LCS 460-378992/2-A ^2	Lab Control Sample	T	Water	3010A	
MB 460-378992/1-A ^2	Method Blank	T	Water	3010A	
460-116763-A-6-C DU ^2	Duplicate	T	Water	3010A	
460-116763-A-6-D MS ^2	Matrix Spike	T	Water	3010A	
460-116858-5FB	FB20160712	T	Water	3010A	
<b>Prep Batch: 460-379003</b>					
LCSSRM 460-379003/2-A ^10	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-379003/1-A ^20	Method Blank	T	Solid	3050B	
460-116922-1	W108-SB-7 (0-2)	T	Solid	3050B	
460-116922-2	W108-SB-9 (0-2)	T	Solid	3050B	
460-116922-3	W108-SB-8 (0-2)	T	Solid	3050B	
460-116922-4	W108-SB-10 (0-2)	T	Solid	3050B	
460-116922-5	W108-SB-6 (0-2)	T	Solid	3050B	
460-116922-5DU	Duplicate	T	Solid	3050B	
460-116922-5MS	Matrix Spike	T	Solid	3050B	
<b>Analysis Batch:460-379043</b>					
LCSSRM 460-378973/11-A ^2	LCS-Certified Reference Material	T	Solid	7471B	460-378973
MB 460-378973/10-A	Method Blank	T	Solid	7471B	460-378973
460-116816-A-14-B DU	Duplicate	T	Solid	7471B	460-378973
460-116816-A-14-C MS	Matrix Spike	T	Solid	7471B	460-378973
460-116922-1	W108-SB-7 (0-2)	T	Solid	7471B	460-378973
460-116922-2	W108-SB-9 (0-2)	T	Solid	7471B	460-378973
460-116922-3	W108-SB-8 (0-2)	T	Solid	7471B	460-378973
460-116922-4	W108-SB-10 (0-2)	T	Solid	7471B	460-378973
460-116922-5	W108-SB-6 (0-2)	T	Solid	7471B	460-378973
<b>Analysis Batch:460-379057</b>					
LCSSRM 460-378796/2-A ^10	LCS-Certified Reference Material	T	Solid	6020A	460-378796
MB 460-378796/1-A ^20	Method Blank	T	Solid	6020A	460-378796
460-116807-1	W108-SB-12 (0-2)	T	Solid	6020A	460-378796
460-116858-1	W108-SB-5(0-2)	T	Solid	6020A	460-378796
460-116858-2	W108-SB-5(8-10)	T	Solid	6020A	460-378796
460-116858-6	W108-SB-2-(0-2)	T	Solid	6020A	460-378796
460-116858-7	W108-SB-X(3-4)	T	Solid	6020A	460-378796
460-116858-8	W108-SB-2(3-4)	T	Solid	6020A	460-378796
460-116858-9	W108-SB-3(0-2)	T	Solid	6020A	460-378796
460-116858-9DU	Duplicate	T	Solid	6020A	460-378796
460-116858-9MS	Matrix Spike	T	Solid	6020A	460-378796
460-116858-10	W108-SB-4(0-2)	T	Solid	6020A	460-378796
460-116858-11	W108-SB-4(5-7)	T	Solid	6020A	460-378796
460-116858-12	W108-SB-1(0-2)	T	Solid	6020A	460-378796
460-116858-13	W108-SB-1(5-7)	T	Solid	6020A	460-378796

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-379231</b>					
LCS 460-379231/2-A ^2	Lab Control Sample	T	Water	3010A	
MB 460-379231/1-A ^2	Method Blank	T	Water	3010A	
460-116960-A-1-A DU ^2	Duplicate	T	Water	3010A	
460-116960-H-1-B MS ^2	Matrix Spike	T	Water	3010A	
460-116994-10FB	FB20160714	T	Water	3010A	
<b>Analysis Batch:460-379259</b>					
LCSSRM 460-378796/2-A ^10	LCS-Certified Reference Material	T	Solid	6020A	460-378796
MB 460-378796/1-A ^20	Method Blank	T	Solid	6020A	460-378796
LCSSRM 460-379003/2-A ^10	LCS-Certified Reference Material	T	Solid	6020A	460-379003
MB 460-379003/1-A ^20	Method Blank	T	Solid	6020A	460-379003
460-116807-1	W108-SB-12 (0-2)	T	Solid	6020A	460-378796
460-116858-1	W108-SB-5(0-2)	T	Solid	6020A	460-378796
460-116858-2	W108-SB-5(8-10)	T	Solid	6020A	460-378796
460-116858-6	W108-SB-2-(0-2)	T	Solid	6020A	460-378796
460-116858-7	W108-SB-X(3-4)	T	Solid	6020A	460-378796
460-116858-8	W108-SB-2(3-4)	T	Solid	6020A	460-378796
460-116858-9	W108-SB-3(0-2)	T	Solid	6020A	460-378796
460-116858-9DU	Duplicate	T	Solid	6020A	460-378796
460-116858-9MS	Matrix Spike	T	Solid	6020A	460-378796
460-116858-10	W108-SB-4(0-2)	T	Solid	6020A	460-378796
460-116858-11	W108-SB-4(5-7)	T	Solid	6020A	460-378796
460-116858-12	W108-SB-1(0-2)	T	Solid	6020A	460-378796
460-116858-13	W108-SB-1(5-7)	T	Solid	6020A	460-378796
460-116922-1	W108-SB-7 (0-2)	T	Solid	6020A	460-379003
460-116922-2	W108-SB-9 (0-2)	T	Solid	6020A	460-379003
460-116922-3	W108-SB-8 (0-2)	T	Solid	6020A	460-379003
460-116922-4	W108-SB-10 (0-2)	T	Solid	6020A	460-379003
460-116922-5	W108-SB-6 (0-2)	T	Solid	6020A	460-379003
460-116922-5DU	Duplicate	T	Solid	6020A	460-379003
460-116922-5MS	Matrix Spike	T	Solid	6020A	460-379003
<b>Analysis Batch:460-379330</b>					
LCS 460-378992/2-A ^2	Lab Control Sample	T	Water	6020A	460-378992
MB 460-378992/1-A ^2	Method Blank	T	Water	6020A	460-378992
LCS 460-379231/2-A ^2	Lab Control Sample	T	Water	6020A	460-379231
MB 460-379231/1-A ^2	Method Blank	T	Water	6020A	460-379231
460-116763-A-6-C DU ^2	Duplicate	T	Water	6020A	460-378992
460-116763-A-6-D MS ^2	Matrix Spike	T	Water	6020A	460-378992
460-116858-5FB	FB20160712	T	Water	6020A	460-378992
460-116960-A-1-A DU ^2	Duplicate	T	Water	6020A	460-379231
460-116960-H-1-B MS ^2	Matrix Spike	T	Water	6020A	460-379231
460-116994-10FB	FB20160714	T	Water	6020A	460-379231

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-379489</b>					
LCSSRM 460-379489/2-A	^10LCS-Certified Reference Material	T	Solid	3050B	
MB 460-379489/1-A	^20 Method Blank	T	Solid	3050B	
460-116994-1	W108-SB-13(0-2)	T	Solid	3050B	
460-116994-2	W108-SB-14(0-2)	T	Solid	3050B	
460-116994-3	W108-SB-Y	T	Solid	3050B	
460-116994-4	W108-SB-12C(0-2)	T	Solid	3050B	
460-116994-5	W108-SB-12B(0-2)	T	Solid	3050B	
460-116994-6	W108-SB-11(0-2)	T	Solid	3050B	
460-116994-7	W108-SB-12B(2-4)	T	Solid	3050B	
460-116994-8	W108-SB-15(0-2)	T	Solid	3050B	
460-116994-8DU	Duplicate	T	Solid	3050B	
460-116994-8MS	Matrix Spike	T	Solid	3050B	
<b>Prep Batch: 460-379530</b>					
LCSSRM 460-379530/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-379530/10-A	Method Blank	T	Solid	7471B	
460-116994-1	W108-SB-13(0-2)	T	Solid	7471B	
460-116994-2	W108-SB-14(0-2)	T	Solid	7471B	
460-117049-D-1-B DU	Duplicate	T	Solid	7471B	
460-117049-D-1-C MS	Matrix Spike	T	Solid	7471B	
<b>Prep Batch: 460-379531</b>					
LCSSRM 460-379531/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	
MB 460-379531/1-A	Method Blank	T	Solid	7471B	
460-116994-3	W108-SB-Y	T	Solid	7471B	
460-116994-4	W108-SB-12C(0-2)	T	Solid	7471B	
460-116994-5	W108-SB-12B(0-2)	T	Solid	7471B	
460-116994-6	W108-SB-11(0-2)	T	Solid	7471B	
460-116994-7	W108-SB-12B(2-4)	T	Solid	7471B	
460-116994-8	W108-SB-15(0-2)	T	Solid	7471B	
460-116994-8DU	Duplicate	T	Solid	7471B	
460-116994-8MS	Matrix Spike	T	Solid	7471B	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Analysis Batch:460-379593</b>					
LCSSRM 460-379530/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	460-379530
MB 460-379530/10-A	Method Blank	T	Solid	7471B	460-379530
LCSSRM 460-379531/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	460-379531
MB 460-379531/1-A	Method Blank	T	Solid	7471B	460-379531
460-116994-1	W108-SB-13(0-2)	T	Solid	7471B	460-379530
460-116994-2	W108-SB-14(0-2)	T	Solid	7471B	460-379530
460-116994-3	W108-SB-Y	T	Solid	7471B	460-379531
460-116994-4	W108-SB-12C(0-2)	T	Solid	7471B	460-379531
460-116994-5	W108-SB-12B(0-2)	T	Solid	7471B	460-379531
460-116994-6	W108-SB-11(0-2)	T	Solid	7471B	460-379531
460-116994-7	W108-SB-12B(2-4)	T	Solid	7471B	460-379531
460-116994-8	W108-SB-15(0-2)	T	Solid	7471B	460-379531
460-116994-8DU	Duplicate	T	Solid	7471B	460-379531
460-116994-8MS	Matrix Spike	T	Solid	7471B	460-379531
460-117049-D-1-B DU	Duplicate	T	Solid	7471B	460-379530
460-117049-D-1-C MS	Matrix Spike	T	Solid	7471B	460-379530
<b>Prep Batch: 460-379600</b>					
LCS 460-379600/2-A	Lab Control Sample	T	Water	7470A	
MB 460-379600/1-A	Method Blank	T	Water	7470A	
460-116994-10FB	FB20160714	T	Water	7470A	
460-117036-B-1-D DU	Duplicate	T	Water	7470A	
460-117036-B-1-E MS	Matrix Spike	T	Water	7470A	
<b>Analysis Batch:460-379602</b>					
LCSSRM 460-379003/2-A	^10LCS-Certified Reference Material	T	Solid	6020A	460-379003
MB 460-379003/1-A	^20 Method Blank	T	Solid	6020A	460-379003
460-116922-1	W108-SB-7 (0-2)	T	Solid	6020A	460-379003
460-116922-2	W108-SB-9 (0-2)	T	Solid	6020A	460-379003
460-116922-3	W108-SB-8 (0-2)	T	Solid	6020A	460-379003
460-116922-4	W108-SB-10 (0-2)	T	Solid	6020A	460-379003
460-116922-5	W108-SB-6 (0-2)	T	Solid	6020A	460-379003
460-116922-5DU	Duplicate	T	Solid	6020A	460-379003
460-116922-5MS	Matrix Spike	T	Solid	6020A	460-379003
<b>Analysis Batch:460-379655</b>					
LCS 460-379600/2-A	Lab Control Sample	T	Water	7470A	460-379600
MB 460-379600/1-A	Method Blank	T	Water	7470A	460-379600
460-116994-10FB	FB20160714	T	Water	7470A	460-379600
460-117036-B-1-D DU	Duplicate	T	Water	7470A	460-379600
460-117036-B-1-E MS	Matrix Spike	T	Water	7470A	460-379600

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Analysis Batch:460-379842</b>					
LCSSRM 460-379489/2-A ^10	LCS-Certified Reference Material	T	Solid	6020A	460-379489
MB 460-379489/1-A ^20	Method Blank	T	Solid	6020A	460-379489
460-116994-1	W108-SB-13(0-2)	T	Solid	6020A	460-379489
460-116994-2	W108-SB-14(0-2)	T	Solid	6020A	460-379489
460-116994-3	W108-SB-Y	T	Solid	6020A	460-379489
460-116994-4	W108-SB-12C(0-2)	T	Solid	6020A	460-379489
460-116994-5	W108-SB-12B(0-2)	T	Solid	6020A	460-379489
460-116994-6	W108-SB-11(0-2)	T	Solid	6020A	460-379489
460-116994-7	W108-SB-12B(2-4)	T	Solid	6020A	460-379489
460-116994-8	W108-SB-15(0-2)	T	Solid	6020A	460-379489
460-116994-8DU	Duplicate	T	Solid	6020A	460-379489
460-116994-8MS	Matrix Spike	T	Solid	6020A	460-379489

#### Report Basis

T = Total

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Prep Batch: 460-378798</b>					
LCSI 460-378798/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-378798/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-378798/1-A	Method Blank	T	Solid	3060A	
460-116627-A-1-L DU	Duplicate	T	Solid	3060A	
460-116627-A-1-N MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-116627-A-1-M MSS	Matrix Spike Soluble	T	Solid	3060A	
460-116807-1	W108-SB-12 (0-2)	T	Solid	3060A	
<b>Analysis Batch:460-378812</b>					
LCSSRM 460-378812/10	LCS-Certified Reference Material	T	Water	7196A	
MB 460-378812/9	Method Blank	T	Water	7196A	
460-116851-B-1 DU	Duplicate	T	Water	7196A	
460-116851-B-1 MS	Matrix Spike	T	Water	7196A	
460-116858-5FB	FB20160712	T	Water	7196A	
<b>Analysis Batch:460-378837</b>					
LCSI 460-378798/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-378798
LCSSRM 460-378798/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-378798
MB 460-378798/1-A	Method Blank	T	Solid	7196A	460-378798
460-116627-A-1-L DU	Duplicate	T	Solid	7196A	460-378798
460-116627-A-1-N MSI	Matrix Spike Insoluble	T	Solid	7196A	460-378798
460-116627-A-1-M MSS	Matrix Spike Soluble	T	Solid	7196A	460-378798
460-116807-1	W108-SB-12 (0-2)	T	Solid	7196A	460-378798
<b>Analysis Batch:460-378889</b>					
460-116807-1	W108-SB-12 (0-2)	T	Solid	Moisture	
460-116811-A-1 DU	Duplicate	T	Solid	Moisture	
<b>Prep Batch: 460-379011</b>					
LCSI 460-379011/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-379011/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-379011/1-A	Method Blank	T	Solid	3060A	
460-116858-9	W108-SB-3(0-2)	T	Solid	3060A	
460-116858-9DU	Duplicate	T	Solid	3060A	
460-116858-9MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-116858-9MSS	Matrix Spike Soluble	T	Solid	3060A	
<b>Analysis Batch:460-379018</b>					
LCSI 460-379011/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-379011
LCSSRM 460-379011/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-379011
MB 460-379011/1-A	Method Blank	T	Solid	7196A	460-379011
460-116858-9	W108-SB-3(0-2)	T	Solid	7196A	460-379011
460-116858-9DU	Duplicate	T	Solid	7196A	460-379011
460-116858-9MSI	Matrix Spike Insoluble	T	Solid	7196A	460-379011
460-116858-9MSS	Matrix Spike Soluble	T	Solid	7196A	460-379011

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Analysis Batch:460-379300</b>					
LCSSRM 460-379300/10	LCS-Certified Reference Material	T	Water	7196A	
LCDSRM 460-379300/11	LCSD - Certified Reference Material	T	Water	7196A	
MB 460-379300/9	Method Blank	T	Water	7196A	
460-116994-10FB	FB20160714	T	Water	7196A	
<b>Analysis Batch:460-379325</b>					
460-116858-1	W108-SB-5(0-2)	T	Solid	Moisture	
460-116858-2	W108-SB-5(8-10)	T	Solid	Moisture	
460-116858-6	W108-SB-2-(0-2)	T	Solid	Moisture	
460-116858-7	W108-SB-X(3-4)	T	Solid	Moisture	
460-116858-8	W108-SB-2(3-4)	T	Solid	Moisture	
460-116858-9	W108-SB-3(0-2)	T	Solid	Moisture	
460-116858-9DU	Duplicate	T	Solid	Moisture	
460-116858-9MS	Matrix Spike	T	Solid	Moisture	
460-116858-9MSD	Matrix Spike Duplicate	T	Solid	Moisture	
460-116858-9MSS	Matrix Spike Soluble	T	Solid	Moisture	
460-116858-10	W108-SB-4(0-2)	T	Solid	Moisture	
<b>Analysis Batch:460-379327</b>					
460-116858-11	W108-SB-4(5-7)	T	Solid	Moisture	
460-116858-12	W108-SB-1(0-2)	T	Solid	Moisture	
460-116858-13	W108-SB-1(5-7)	T	Solid	Moisture	
460-116894-A-7 DU	Duplicate	T	Solid	Moisture	
<b>Analysis Batch:460-379349</b>					
460-116922-1	W108-SB-7 (0-2)	T	Solid	Moisture	
460-116922-2	W108-SB-9 (0-2)	T	Solid	Moisture	
460-116922-3	W108-SB-8 (0-2)	T	Solid	Moisture	
460-116922-4	W108-SB-10 (0-2)	T	Solid	Moisture	
460-116922-5	W108-SB-6 (0-2)	T	Solid	Moisture	
460-116958-A-3 DU	Duplicate	T	Solid	Moisture	
<b>Prep Batch: 460-379419</b>					
LCSI 460-379419/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-379419/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-379419/1-A	Method Blank	T	Solid	3060A	
460-116994-8	W108-SB-15(0-2)	T	Solid	3060A	
460-116994-8DU	Duplicate	T	Solid	3060A	
460-116994-8MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-116994-8MSS	Matrix Spike Soluble	T	Solid	3060A	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Analysis Batch:460-379443</b>					
LCSI 460-379419/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-379419
LCSSRM 460-379419/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-379419
MB 460-379419/1-A	Method Blank	T	Solid	7196A	460-379419
460-116994-8	W108-SB-15(0-2)	T	Solid	7196A	460-379419
460-116994-8DU	Duplicate	T	Solid	7196A	460-379419
460-116994-8MSI	Matrix Spike Insoluble	T	Solid	7196A	460-379419
460-116994-8MSS	Matrix Spike Soluble	T	Solid	7196A	460-379419
<b>Prep Batch: 460-379478</b>					
460-116922-1	W108-SB-7 (0-2)	T	Solid	3060A	
460-116922-2	W108-SB-9 (0-2)	T	Solid	3060A	
460-116922-3	W108-SB-8 (0-2)	T	Solid	3060A	
460-116922-4	W108-SB-10 (0-2)	T	Solid	3060A	
460-116922-5	W108-SB-6 (0-2)	T	Solid	3060A	
460-116922-5DU	Duplicate	T	Solid	3060A	
460-116922-5MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-116922-5MSS	Matrix Spike Soluble	T	Solid	3060A	
<b>Analysis Batch:460-379492</b>					
460-116922-1	W108-SB-7 (0-2)	T	Solid	7196A	460-379478
460-116922-2	W108-SB-9 (0-2)	T	Solid	7196A	460-379478
460-116922-3	W108-SB-8 (0-2)	T	Solid	7196A	460-379478
460-116922-4	W108-SB-10 (0-2)	T	Solid	7196A	460-379478
460-116922-5	W108-SB-6 (0-2)	T	Solid	7196A	460-379478
460-116922-5DU	Duplicate	T	Solid	7196A	460-379478
460-116922-5MSI	Matrix Spike Insoluble	T	Solid	7196A	460-379478
460-116922-5MSS	Matrix Spike Soluble	T	Solid	7196A	460-379478
<b>Analysis Batch:460-379836</b>					
460-116994-1	W108-SB-13(0-2)	T	Solid	Moisture	
460-116994-2	W108-SB-14(0-2)	T	Solid	Moisture	
460-116994-3	W108-SB-Y	T	Solid	Moisture	
460-116994-4	W108-SB-12C(0-2)	T	Solid	Moisture	
460-116994-5	W108-SB-12B(0-2)	T	Solid	Moisture	
460-116994-6	W108-SB-11(0-2)	T	Solid	Moisture	
460-116994-7	W108-SB-12B(2-4)	T	Solid	Moisture	
460-116994-8	W108-SB-15(0-2)	T	Solid	Moisture	
460-116994-8DU	Duplicate	T	Solid	Moisture	
460-116994-8MS	Matrix Spike	T	Solid	Moisture	
460-116994-8MSD	Matrix Spike Duplicate	T	Solid	Moisture	
460-116994-8MSS	Matrix Spike Soluble	T	Solid	Moisture	

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## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Prep Batch: 460-380031</b>					
LCSI 460-380031/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSSRM 460-380031/2-A	LCS-Certified Reference Material	T	Solid	3060A	
MB 460-380031/1-A	Method Blank	T	Solid	3060A	
460-116858-1	W108-SB-5(0-2)	T	Solid	3060A	
460-116858-2	W108-SB-5(8-10)	T	Solid	3060A	
460-116858-6	W108-SB-2-(0-2)	T	Solid	3060A	
460-116858-7	W108-SB-X(3-4)	T	Solid	3060A	
460-116858-8	W108-SB-2(3-4)	T	Solid	3060A	
460-116858-10	W108-SB-4(0-2)	T	Solid	3060A	
460-116858-11	W108-SB-4(5-7)	T	Solid	3060A	
460-116858-12	W108-SB-1(0-2)	T	Solid	3060A	
460-116858-13	W108-SB-1(5-7)	T	Solid	3060A	
460-116994-1	W108-SB-13(0-2)	T	Solid	3060A	
460-116994-1DU	Duplicate	T	Solid	3060A	
460-116994-1MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-116994-1MSS	Matrix Spike Soluble	T	Solid	3060A	
460-116994-2	W108-SB-14(0-2)	T	Solid	3060A	
460-116994-3	W108-SB-Y	T	Solid	3060A	
460-116994-4	W108-SB-12C(0-2)	T	Solid	3060A	
460-116994-5	W108-SB-12B(0-2)	T	Solid	3060A	
460-116994-6	W108-SB-11(0-2)	T	Solid	3060A	
460-116994-7	W108-SB-12B(2-4)	T	Solid	3060A	

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Analysis Batch:460-380067</b>					
LCSI 460-380031/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-380031
LCSSRM 460-380031/2-A	LCS-Certified Reference Material	T	Solid	7196A	460-380031
MB 460-380031/1-A	Method Blank	T	Solid	7196A	460-380031
460-116858-1	W108-SB-5(0-2)	T	Solid	7196A	460-380031
460-116858-2	W108-SB-5(8-10)	T	Solid	7196A	460-380031
460-116858-6	W108-SB-2-(0-2)	T	Solid	7196A	460-380031
460-116858-7	W108-SB-X(3-4)	T	Solid	7196A	460-380031
460-116858-8	W108-SB-2(3-4)	T	Solid	7196A	460-380031
460-116858-10	W108-SB-4(0-2)	T	Solid	7196A	460-380031
460-116858-11	W108-SB-4(5-7)	T	Solid	7196A	460-380031
460-116858-12	W108-SB-1(0-2)	T	Solid	7196A	460-380031
460-116858-13	W108-SB-1(5-7)	T	Solid	7196A	460-380031
460-116994-1	W108-SB-13(0-2)	T	Solid	7196A	460-380031
460-116994-1DU	Duplicate	T	Solid	7196A	460-380031
460-116994-1MSI	Matrix Spike Insoluble	T	Solid	7196A	460-380031
460-116994-1MSS	Matrix Spike Soluble	T	Solid	7196A	460-380031
460-116994-2	W108-SB-14(0-2)	T	Solid	7196A	460-380031
460-116994-3	W108-SB-Y	T	Solid	7196A	460-380031
460-116994-4	W108-SB-12C(0-2)	T	Solid	7196A	460-380031
460-116994-5	W108-SB-12B(0-2)	T	Solid	7196A	460-380031
460-116994-6	W108-SB-11(0-2)	T	Solid	7196A	460-380031
460-116994-7	W108-SB-12B(2-4)	T	Solid	7196A	460-380031

**Report Basis**

T = Total

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116807-1

Client ID: W108-SB-12 (0-2)

Sample Date/Time: 07/11/2016 11:25 Received Date/Time: 07/11/2016 19:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116807-C-1-A		460-379412	460-378611	07/12/2016 12:00	1	TAL EDI	DBM
A:8260C	460-116807-C-1-A		460-379412	460-378611	07/16/2016 08:13	1	TAL EDI	AAT
P:3546	460-116807-F-1-B		460-379270	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116807-F-1-B		460-379270	460-379075	07/15/2016 22:51	1	TAL EDI	DAN
P:3546	460-116807-E-1-C		460-378969	460-378924	07/13/2016 18:09	1	TAL EDI	JMS
A:8081B	460-116807-E-1-C		460-378969	460-378924	07/14/2016 09:01	1	TAL EDI	SAK
P:3546	460-116807-E-1-D		460-378970	460-378922	07/13/2016 18:05	1	TAL EDI	JMS
A:8082A	460-116807-E-1-D		460-378970	460-378922	07/14/2016 06:43	1	TAL EDI	JHP
P:3050B	460-116807-F-1-A		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116807-F-1-A ^20		460-379259	460-378796	07/15/2016 03:20	20	TAL EDI	VAD
P:7471B	460-116807-A-1-A		460-378820	460-378753	07/13/2016 03:39	1	TAL EDI	TJS
A:7471B	460-116807-A-1-A		460-378820	460-378753	07/13/2016 08:08	1	TAL EDI	TJS
P:3060A	460-116807-E-1-A		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
A:7196A	460-116807-E-1-A		460-378837	460-378798	07/13/2016 11:50	1	TAL EDI	RAK
A:Moisture	460-116807-F-1		460-378889		07/13/2016 16:01	1	TAL EDI	GTSV

Lab ID: 460-116858-1

Client ID: W108-SB-5(0-2)

Sample Date/Time: 07/12/2016 11:55 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116858-B-1-A		460-379152	460-378784	07/13/2016 07:14	1	TAL EDI	DBM
A:8260C	460-116858-B-1-A		460-379152	460-378784	07/15/2016 04:09	1	TAL EDI	EMM
P:3546	460-116858-E-1-C		460-379515	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116858-E-1-C		460-379515	460-379075	07/18/2016 11:44	1	TAL EDI	AAS
P:3546	460-116858-E-1-E		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-1-E		460-379216	460-379172	07/15/2016 14:21	1	TAL EDI	CDC
P:3546	460-116858-E-1-D		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-1-D		460-379213	460-379169	07/15/2016 11:37	1	TAL EDI	CDC
P:3050B	460-116858-E-1-B		460-379057	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-1-B ^20		460-379057	460-378796	07/14/2016 02:41	20	TAL EDI	VAD
P:3050B	460-116858-E-1-B		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-1-B ^20		460-379259	460-378796	07/15/2016 01:53	20	TAL EDI	VAD
P:7471B	460-116858-E-1-A		460-378820	460-378760	07/13/2016 04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-1-A		460-378820	460-378760	07/13/2016 08:59	1	TAL EDI	TJS
P:3060A	460-116858-E-1-F		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-1-F		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL
A:Moisture	460-116858-E-1		460-379325		07/15/2016 14:10	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116858-2

Client ID: W108-SB-5(8-10)

Sample Date/Time: 07/12/2016 12:05 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116858-B-2-A		460-379152	460-378784	07/13/2016 07:15	1	TAL EDI	DBM
A:8260C	460-116858-B-2-A		460-379152	460-378784	07/15/2016 03:45	1	TAL EDI	EMM
P:3546	460-116858-F-2-A		460-379515	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-2-A		460-379515	460-379075	07/18/2016 12:08	1	TAL EDI	AAS
P:3546	460-116858-E-2-D		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-2-D		460-379216	460-379172	07/15/2016 14:08	1	TAL EDI	CDC
P:3546	460-116858-E-2-C		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-2-C		460-379213	460-379169	07/15/2016 11:51	1	TAL EDI	CDC
P:3050B	460-116858-E-2-B		460-379057	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-2-B ^20		460-379057	460-378796	07/14/2016 02:53	20	TAL EDI	VAD
P:3050B	460-116858-E-2-B		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-2-B ^20		460-379259	460-378796	07/15/2016 02:05	20	TAL EDI	VAD
P:7471B	460-116858-E-2-A		460-378820	460-378760	07/13/2016 04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-2-A		460-378820	460-378760	07/13/2016 09:00	1	TAL EDI	TJS
P:3060A	460-116858-E-2-E		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-2-E		460-380067	460-380031	07/20/2016 14:30	1	TAL EDI	MAL
A:Moisture	460-116858-F-2		460-379325		07/15/2016 14:10	1	TAL EDI	GTSV

Lab ID: 460-116858-4

Client ID: TB20160712

Sample Date/Time: 07/12/2016 00:00 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-116858-B-4		460-379422		07/16/2016 12:42	1	TAL EDI	AAT
A:8260C	460-116858-B-4		460-379422		07/16/2016 12:42	1	TAL EDI	AAT

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116858-5

Client ID: FB20160712

Sample Date/Time: 07/12/2016 12:25 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-116858-A-5		460-379337		07/16/2016 05:16	1	TAL EDI	MZS
A:8260C	460-116858-A-5		460-379337		07/16/2016 05:16	1	TAL EDI	MZS
P:3510C	460-116858-F-5-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	460-116858-F-5-A		460-378964	460-378878	07/14/2016 09:05	1	TAL EDI	MMC
P:3510C	460-116858-E-5-A		460-378894	460-378802	07/13/2016 08:05	1	TAL EDI	HAW
A:8081B	460-116858-E-5-A		460-378894	460-378802	07/13/2016 16:21	1	TAL EDI	SAK
P:3510C	460-116858-E-5-B		460-378903	460-378807	07/13/2016 08:21	1	TAL EDI	HAW
A:8082A	460-116858-E-5-B		460-378903	460-378807	07/13/2016 16:31	1	TAL EDI	JHP
P:3010A	460-116858-D-5-B ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	460-116858-D-5-B ^2		460-379330	460-378992	07/15/2016 16:32	2	TAL EDI	PHP
P:7470A	460-116858-D-5-A		460-378906	460-378838	07/13/2016 11:57	1	TAL EDI	RBS
A:7470A	460-116858-D-5-A		460-378906	460-378838	07/13/2016 14:30	1	TAL EDI	RBS
A:7196A	460-116858-H-5		460-378812		07/13/2016 07:45	1	TAL EDI	PXP

Lab ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Sample Date/Time: 07/12/2016 13:00 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116858-A-6-A		460-379053	460-378794	07/13/2016 07:29	50	TAL EDI	DBM
A:8260C	460-116858-A-6-A		460-379053	460-378794	07/14/2016 23:05	50	TAL EDI	EMM
P:3546	460-116858-E-6-C		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116858-E-6-C		460-379179	460-379075	07/15/2016 14:32	1	TAL EDI	MMC
P:3546	460-116858-E-6-E		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-6-E		460-379216	460-379172	07/15/2016 13:54	1	TAL EDI	CDC
P:3546	460-116858-E-6-D		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-6-D		460-379213	460-379169	07/15/2016 12:06	1	TAL EDI	CDC
P:3050B	460-116858-E-6-B ^20		460-379057	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-6-B ^20		460-379057	460-378796	07/14/2016 03:16	20	TAL EDI	VAD
P:3050B	460-116858-E-6-B ^20		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-6-B ^20		460-379259	460-378796	07/15/2016 02:28	20	TAL EDI	VAD
P:7471B	460-116858-E-6-A		460-378820	460-378760	07/13/2016 04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-6-A		460-378820	460-378760	07/13/2016 09:02	1	TAL EDI	TJS
P:3060A	460-116858-F-6-A		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116858-F-6-A		460-380067	460-380031	07/20/2016 14:30	1	TAL EDI	MAL
A:Moisture	460-116858-E-6		460-379325		07/15/2016 14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Sample Date/Time: 07/12/2016 13:10    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116858-B-7-A		460-379152	460-378784	07/13/2016	07:17	1	TAL EDI	DBM
A:8260C	460-116858-B-7-A		460-379152	460-378784	07/15/2016	04:34	1	TAL EDI	EMM
P:3546	460-116858-F-7-A		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-7-A		460-379179	460-379075	07/15/2016	09:22	1	TAL EDI	MMC
P:3546	460-116858-E-7-D		460-379216	460-379172	07/14/2016	23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-7-D		460-379216	460-379172	07/15/2016	14:35	1	TAL EDI	CDC
P:3546	460-116858-E-7-C		460-379213	460-379169	07/14/2016	22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-7-C		460-379213	460-379169	07/15/2016	14:22	1	TAL EDI	CDC
P:3050B	460-116858-E-7-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-7-B ^20		460-379057	460-378796	07/14/2016	03:21	20	TAL EDI	VAD
P:3050B	460-116858-E-7-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-7-B ^20		460-379259	460-378796	07/15/2016	02:34	20	TAL EDI	VAD
P:7471B	460-116858-E-7-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-7-A		460-378820	460-378760	07/13/2016	09:08	1	TAL EDI	TJS
P:3060A	460-116858-E-7-E		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-7-E		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-E-7		460-379325		07/15/2016	14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Sample Date/Time: 07/12/2016 13:25    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116858-A-8-A		460-379154	460-378794	07/13/2016	07:30	50	TAL EDI	DBM
A:8260C	460-116858-A-8-A		460-379154	460-378794	07/15/2016	04:59	50	TAL EDI	EMM
P:3546	460-116858-F-8-C		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-8-C		460-379179	460-379075	07/15/2016	09:47	1	TAL EDI	MMC
P:3546	460-116858-E-8-B		460-379216	460-379172	07/14/2016	23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-8-B		460-379216	460-379172	07/15/2016	14:48	1	TAL EDI	CDC
P:3546	460-116858-E-8-A		460-379213	460-379169	07/14/2016	22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-8-A		460-379213	460-379169	07/15/2016	14:36	1	TAL EDI	CDC
P:3050B	460-116858-F-8-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-8-B ^20		460-379057	460-378796	07/14/2016	03:27	20	TAL EDI	VAD
P:3050B	460-116858-F-8-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-8-B ^20		460-379259	460-378796	07/15/2016	02:40	20	TAL EDI	VAD
P:7471B	460-116858-F-8-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-F-8-A		460-378820	460-378760	07/13/2016	09:10	1	TAL EDI	TJS
P:3060A	460-116858-F-8-D		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-F-8-D		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-F-8		460-379325		07/15/2016	14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-9

Client ID: W108-SB-3(0-2)

Sample Date/Time: 07/12/2016 14:26    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analized				
P:5035	460-116858-B-9-A		460-378974	460-378784	07/13/2016	07:19	1	TAL EDI	DBM
A:8260C	460-116858-B-9-A		460-378974	460-378784	07/14/2016	11:42	1	TAL EDI	KLB
P:3546	460-116858-F-9-C		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-9-C		460-379179	460-379075	07/15/2016	08:56	1	TAL EDI	MMC
P:3546	460-116858-E-9-L		460-379216	460-379172	07/14/2016	23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-9-L		460-379216	460-379172	07/15/2016	08:26	1	TAL EDI	CDC
P:3546	460-116858-E-9-I		460-379213	460-379169	07/14/2016	22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-9-I		460-379213	460-379169	07/15/2016	10:53	1	TAL EDI	CDC
P:3050B	460-116858-E-9-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-B ^20		460-379057	460-378796	07/14/2016	02:30	20	TAL EDI	VAD
P:3050B	460-116858-E-9-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-B ^20		460-379259	460-378796	07/15/2016	01:42	20	TAL EDI	VAD
P:7471B	460-116858-E-9-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-9-A		460-378820	460-378760	07/13/2016	08:36	1	TAL EDI	TJS
P:3060A	460-116858-D-9-A		460-379018	460-379011	07/14/2016	08:45	1	TAL EDI	MAL
P:3060A	460-116858-D-9-C MSS		460-379018	460-379011	07/14/2016	08:45	1	TAL EDI	MAL
A:7196A	460-116858-D-9-A		460-379018	460-379011	07/14/2016	11:50	1	TAL EDI	MAL
A:7196A	460-116858-D-9-C MSS		460-379018	460-379011	07/14/2016	11:50	1	TAL EDI	MAL
A:Moisture	460-116858-E-9		460-379325		07/15/2016	14:10	1	TAL EDI	GTSV
A:Moisture	460-116858-A-9 MSS		460-379325		07/18/2016	11:08	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116858-9

Client ID: W108-SB-3(0-2)

Sample Date/Time: 07/12/2016 14:26 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116858-B-9-B MS		460-378974	460-378784	07/13/2016 07:24	1	TAL EDI	DBM
A:8260C	460-116858-B-9-B MS		460-378974	460-378784	07/14/2016 12:56	1	TAL EDI	KLB
P:3546	460-116858-F-9-B MS		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-9-B MS		460-379179	460-379075	07/15/2016 08:05	1	TAL EDI	MMC
P:3546	460-116858-E-9-J MS		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-9-J MS		460-379216	460-379172	07/15/2016 08:39	1	TAL EDI	CDC
P:3546	460-116858-E-9-G MS		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-9-G MS		460-379213	460-379169	07/15/2016 11:08	1	TAL EDI	CDC
P:3050B	460-116858-E-9-D MS ^20		460-379057	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-D MS ^20		460-379057	460-378796	07/14/2016 02:18	20	TAL EDI	VAD
P:3050B	460-116858-E-9-D MS ^20		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-D MS ^20		460-379259	460-378796	07/15/2016 01:30	20	TAL EDI	VAD
P:7471B	460-116858-F-9-A MS		460-378820	460-378760	07/13/2016 04:11	1	TAL EDI	TJS
A:7471B	460-116858-F-9-A MS		460-378820	460-378760	07/13/2016 08:40	1	TAL EDI	TJS
A:Moisture	460-116858-E-9 MS		460-379325		07/15/2016 14:10	1	TAL EDI	GTSV

Lab ID: 460-116858-9

Client ID: W108-SB-3(0-2)

Sample Date/Time: 07/12/2016 14:26 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116858-B-9-C MSD		460-378974	460-378784	07/13/2016 07:25	1	TAL EDI	DBM
A:8260C	460-116858-B-9-C MSD		460-378974	460-378784	07/14/2016 13:20	1	TAL EDI	KLB
P:3546	460-116858-E-9-E MSD		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	460-116858-E-9-E MSD		460-379179	460-379075	07/15/2016 08:30	1	TAL EDI	MMC
P:3546	460-116858-E-9-K MSD		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-9-K MSD		460-379216	460-379172	07/15/2016 08:53	1	TAL EDI	CDC
P:3546	460-116858-E-9-H MSD		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-9-H MSD		460-379213	460-379169	07/15/2016 11:22	1	TAL EDI	CDC
A:Moisture	460-116858-F-9 MSD		460-379325		07/15/2016 14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-9 PDS

Client ID: W108-SB-3(0-2)

Sample Date/Time: 07/12/2016 14:26      Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3050B	460-116858-E-9-B PDS ^20		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-B PDS ^20		460-379057	460-378796	07/14/2016	02:12	20	TAL EDI	VAD
P:3050B	460-116858-E-9-B PDS ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-B PDS ^20		460-379259	460-378796	07/15/2016	01:25	20	TAL EDI	VAD
P:3060A	460-116858-D-9-A PDS		460-379018	460-379011	07/14/2016	08:45	1	TAL EDI	MAL
A:7196A	460-116858-D-9-A PDS		460-379018	460-379011	07/14/2016	11:50	1	TAL EDI	MAL

Lab ID: 460-116858-9

Client ID: W108-SB-3(0-2)

Sample Date/Time: 07/12/2016 14:26      Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3050B	460-116858-E-9-C DU ^20		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-C DU ^20		460-379057	460-378796	07/14/2016	02:24	20	TAL EDI	VAD
P:3050B	460-116858-E-9-C DU ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-9-C DU ^20		460-379259	460-378796	07/15/2016	01:36	20	TAL EDI	VAD
P:7471B	460-116858-A-9-A DU		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-A-9-A DU		460-378820	460-378760	07/13/2016	08:38	1	TAL EDI	TJS
P:3060A	460-116858-D-9-B DU		460-379018	460-379011	07/14/2016	08:45	1	TAL EDI	MAL
A:7196A	460-116858-D-9-B DU		460-379018	460-379011	07/14/2016	11:50	1	TAL EDI	MAL
A:Moisture	460-116858-A-9 DU		460-379325		07/15/2016	14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

**Lab ID: 460-116858-9 SD**

**Client ID: W108-SB-3(0-2)**

Sample Date/Time: 07/12/2016 14:26    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3050B	460-116858-E-9-B SD ^100		460-379057	460-378796	07/13/2016	07:28	100	TAL EDI	MDC
A:6020A	460-116858-E-9-B SD ^100		460-379057	460-378796	07/14/2016	02:35	100	TAL EDI	VAD
P:3050B	460-116858-E-9-B SD ^100		460-379259	460-378796	07/13/2016	07:28	100	TAL EDI	MDC
A:6020A	460-116858-E-9-B SD ^100		460-379259	460-378796	07/15/2016	01:48	100	TAL EDI	VAD
P:7471B	460-116858-E-9-A SD ^5		460-378820	460-378760	07/13/2016	04:11	5	TAL EDI	TJS
A:7471B	460-116858-E-9-A SD ^5		460-378820	460-378760	07/13/2016	09:25	5	TAL EDI	TJS
P:3060A	460-116858-D-9-D MSI		460-379018	460-379011	07/14/2016	08:45	50	TAL EDI	MAL
A:7196A	460-116858-D-9-D MSI		460-379018	460-379011	07/14/2016	11:50	50	TAL EDI	MAL

**Lab ID: 460-116858-10**

**Client ID: W108-SB-4(0-2)**

Sample Date/Time: 07/12/2016 15:20    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116858-B-10-A		460-378974	460-378784	07/13/2016	07:20	1	TAL EDI	DBM
A:8260C	460-116858-B-10-A		460-378974	460-378784	07/14/2016	12:06	1	TAL EDI	KLB
P:3546	460-116858-F-10-A		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-10-A		460-379179	460-379075	07/15/2016	10:13	1	TAL EDI	MMC
P:3546	460-116858-E-10-D		460-379216	460-379172	07/14/2016	23:15	1	TAL EDI	JMS
A:8081B	460-116858-E-10-D		460-379216	460-379172	07/15/2016	15:01	1	TAL EDI	CDC
P:3546	460-116858-E-10-C		460-379213	460-379169	07/14/2016	22:07	1	TAL EDI	JMS
A:8082A	460-116858-E-10-C		460-379213	460-379169	07/15/2016	14:51	1	TAL EDI	CDC
P:3050B	460-116858-E-10-B ^20		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-10-B ^20		460-379057	460-378796	07/14/2016	03:33	20	TAL EDI	VAD
P:3050B	460-116858-E-10-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-10-B ^20		460-379259	460-378796	07/15/2016	02:45	20	TAL EDI	VAD
P:7471B	460-116858-E-10-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-10-A		460-378820	460-378760	07/13/2016	09:12	1	TAL EDI	TJS
P:3060A	460-116858-E-10-E		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-10-E		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-E-10		460-379325		07/15/2016	14:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-11

Client ID: W108-SB-4(5-7)

Sample Date/Time: 07/12/2016 15:40    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116858-A-11-A		460-379260	460-378794	07/13/2016	07:31	100	TAL EDI	DBM
A:8260C	460-116858-A-11-A		460-379260	460-378794	07/15/2016	16:36	100	TAL EDI	EMM
P:3546	460-116858-E-11-A		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-E-11-A		460-379179	460-379075	07/15/2016	10:39	1	TAL EDI	MMC
P:3546	460-116858-E-11-C		460-379777	460-379394	07/16/2016	02:32	1	TAL EDI	JMS
A:8081B	460-116858-E-11-C		460-379777	460-379394	07/19/2016	08:32	1	TAL EDI	SAK
P:3546	460-116858-E-11-B		460-379556	460-379397	07/15/2016	23:59	1	TAL EDI	JMS
A:8082A	460-116858-E-11-B		460-379556	460-379397	07/18/2016	14:24	1	TAL EDI	JHP
P:3050B	460-116858-F-11-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-11-B ^20		460-379057	460-378796	07/14/2016	03:39	20	TAL EDI	VAD
P:3050B	460-116858-F-11-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-11-B ^20		460-379259	460-378796	07/15/2016	02:51	20	TAL EDI	VAD
P:7471B	460-116858-F-11-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-F-11-A		460-378820	460-378760	07/13/2016	09:14	1	TAL EDI	TJS
P:3060A	460-116858-E-11-D		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-11-D		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-E-11		460-379327		07/15/2016	15:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116858-12

Client ID: W108-SB-1(0-2)

Sample Date/Time: 07/12/2016 15:45    Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	460-116858-B-12-A		460-378974	460-378784	07/13/2016	07:22	1	TAL EDI	DBM
A:8260C	460-116858-B-12-A		460-378974	460-378784	07/14/2016	12:31	1	TAL EDI	KLB
P:3546	460-116858-F-12-A		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-F-12-A		460-379179	460-379075	07/15/2016	11:05	1	TAL EDI	MMC
P:3546	460-116858-E-12-D		460-379595	460-379394	07/16/2016	02:32	1	TAL EDI	JMS
A:8081B	460-116858-E-12-D		460-379595	460-379394	07/18/2016	16:50	1	TAL EDI	SAK
P:3546	460-116858-E-12-C		460-379556	460-379397	07/15/2016	23:59	1	TAL EDI	JMS
A:8082A	460-116858-E-12-C		460-379556	460-379397	07/18/2016	14:40	1	TAL EDI	JHP
P:3050B	460-116858-E-12-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-12-B ^20		460-379057	460-378796	07/14/2016	03:44	20	TAL EDI	VAD
P:3050B	460-116858-E-12-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-E-12-B ^20		460-379259	460-378796	07/15/2016	02:57	20	TAL EDI	VAD
P:7471B	460-116858-E-12-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-E-12-A		460-378820	460-378760	07/13/2016	09:15	1	TAL EDI	TJS
P:3060A	460-116858-F-12-B		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-F-12-B		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-F-12		460-379327		07/15/2016	15:10	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116858-13

Client ID: W108-SB-1(5-7)

Sample Date/Time: 07/12/2016 15:50 Received Date/Time: 07/12/2016 18:40

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116858-C-13-A		460-379152	460-378784	07/13/2016	07:23	1	TAL EDI	DBM
A:8260C	460-116858-C-13-A		460-379152	460-378784	07/15/2016	04:58	1	TAL EDI	EMM
P:3546	460-116858-E-13-A		460-379179	460-379075	07/14/2016	12:49	1	TAL EDI	GRB
A:8270D	460-116858-E-13-A		460-379179	460-379075	07/15/2016	14:58	1	TAL EDI	MMC
P:3546	460-116858-E-13-C		460-379595	460-379394	07/16/2016	02:32	1	TAL EDI	JMS
A:8081B	460-116858-E-13-C		460-379595	460-379394	07/18/2016	17:03	1	TAL EDI	SAK
P:3546	460-116858-E-13-B		460-379556	460-379397	07/15/2016	23:59	1	TAL EDI	JMS
A:8082A	460-116858-E-13-B		460-379556	460-379397	07/18/2016	14:56	1	TAL EDI	JHP
P:3050B	460-116858-F-13-B		460-379057	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-13-B ^20		460-379057	460-378796	07/14/2016	03:50	20	TAL EDI	VAD
P:3050B	460-116858-F-13-B ^20		460-379259	460-378796	07/13/2016	07:28	20	TAL EDI	MDC
A:6020A	460-116858-F-13-B ^20		460-379259	460-378796	07/15/2016	03:02	20	TAL EDI	VAD
P:7471B	460-116858-F-13-A		460-378820	460-378760	07/13/2016	04:11	1	TAL EDI	TJS
A:7471B	460-116858-F-13-A		460-378820	460-378760	07/13/2016	09:17	1	TAL EDI	TJS
P:3060A	460-116858-E-13-D		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116858-E-13-D		460-380067	460-380031	07/20/2016	14:30	1	TAL EDI	MAL
A:Moisture	460-116858-E-13		460-379327		07/15/2016	15:10	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116922-1

Client ID: W108-SB-7 (0-2)

Sample Date/Time: 07/13/2016 14:45    Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116922-B-1-A		460-379129	460-378935	07/13/2016	21:03	1	TAL EDI	DAS
A:8260C	460-116922-B-1-A		460-379129	460-378935	07/15/2016	01:06	1	TAL EDI	AAT
P:3546	460-116922-F-1-A		460-379270	460-379071	07/14/2016	12:44	5	TAL EDI	GRB
A:8270D	460-116922-F-1-A		460-379270	460-379071	07/15/2016	20:27	5	TAL EDI	DAN
P:3546	460-116922-E-1-D		460-379595	460-379394	07/15/2016	23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-1-D		460-379595	460-379394	07/18/2016	15:33	1	TAL EDI	SAK
P:3546	460-116922-E-1-C		460-379556	460-379397	07/15/2016	23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-1-C		460-379556	460-379397	07/18/2016	13:21	1	TAL EDI	JHP
P:3050B	460-116922-E-1-B		460-379259	460-379003	07/14/2016	07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-1-B ^20		460-379259	460-379003	07/15/2016	09:22	20	TAL EDI	VAD
P:3050B	460-116922-E-1-B ^20		460-379602	460-379003	07/14/2016	07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-1-B ^20		460-379602	460-379003	07/16/2016	16:35	20	TAL EDI	PHP
P:7471B	460-116922-E-1-A		460-379043	460-378973	07/14/2016	04:38	1	TAL EDI	TJS
A:7471B	460-116922-E-1-A		460-379043	460-378973	07/14/2016	09:43	1	TAL EDI	TJS
P:3060A	460-116922-F-1-B		460-379492	460-379478	07/16/2016	15:35	1	TAL EDI	MAL
A:7196A	460-116922-F-1-B		460-379492	460-379478	07/17/2016	13:07	1	TAL EDI	MAL
A:Moisture	460-116922-F-1		460-379349		07/15/2016	16:00	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116922-2

Client ID: W108-SB-9 (0-2)

Sample Date/Time: 07/13/2016 14:05 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116922-B-2-A		460-379129	460-378935	07/13/2016 21:04	1	TAL EDI	DAS
A:8260C	460-116922-B-2-A		460-379129	460-378935	07/15/2016 01:33	1	TAL EDI	AAT
P:3546	460-116922-F-2-A		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	460-116922-F-2-A		460-379174	460-379071	07/15/2016 06:43	1	TAL EDI	FAM
P:3546	460-116922-E-2-D		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-2-D		460-379595	460-379394	07/18/2016 15:46	1	TAL EDI	SAK
P:3546	460-116922-E-2-C		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-2-C		460-379556	460-379397	07/18/2016 13:37	1	TAL EDI	JHP
P:3050B	460-116922-E-2-B		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-2-B ^20		460-379259	460-379003	07/15/2016 09:28	20	TAL EDI	VAD
P:3050B	460-116922-E-2-B ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-2-B ^20		460-379602	460-379003	07/16/2016 16:41	20	TAL EDI	PHP
P:7471B	460-116922-E-2-A		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	460-116922-E-2-A		460-379043	460-378973	07/14/2016 09:45	1	TAL EDI	TJS
P:3060A	460-116922-F-2-B		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
A:7196A	460-116922-F-2-B		460-379492	460-379478	07/17/2016 14:00	1	TAL EDI	MAL
A:Moisture	460-116922-F-2		460-379349		07/15/2016 16:00	1	TAL EDI	GTSV

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116922-3

Client ID: W108-SB-8 (0-2)

Sample Date/Time: 07/13/2016 11:15      Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	460-116922-B-3-A		460-379129	460-378935	07/13/2016	21:05	1	TAL EDI	DAS
A:8260C	460-116922-B-3-A		460-379129	460-378935	07/15/2016	01:59	1	TAL EDI	AAT
P:3546	460-116922-F-3-A		460-379174	460-379071	07/14/2016	12:44	1	TAL EDI	GRB
A:8270D	460-116922-F-3-A		460-379174	460-379071	07/15/2016	07:07	1	TAL EDI	FAM
P:3546	460-116922-E-3-D		460-379595	460-379394	07/15/2016	23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-3-D		460-379595	460-379394	07/18/2016	15:59	1	TAL EDI	SAK
P:3546	460-116922-E-3-C		460-379556	460-379397	07/15/2016	23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-3-C		460-379556	460-379397	07/18/2016	13:53	1	TAL EDI	JHP
P:3050B	460-116922-E-3-B		460-379259	460-379003	07/14/2016	07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-3-B ^20		460-379259	460-379003	07/15/2016	09:51	20	TAL EDI	VAD
P:3050B	460-116922-E-3-B ^20		460-379602	460-379003	07/14/2016	07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-3-B ^20		460-379602	460-379003	07/16/2016	16:46	20	TAL EDI	PHP
P:7471B	460-116922-E-3-A		460-379043	460-378973	07/14/2016	04:38	1	TAL EDI	TJS
A:7471B	460-116922-E-3-A		460-379043	460-378973	07/14/2016	09:50	1	TAL EDI	TJS
P:3060A	460-116922-E-3-E		460-379492	460-379478	07/16/2016	15:35	1	TAL EDI	MAL
A:7196A	460-116922-E-3-E		460-379492	460-379478	07/17/2016	14:00	1	TAL EDI	MAL
A:Moisture	460-116922-F-3		460-379349		07/15/2016	16:00	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116922-4

Client ID: W108-SB-10 (0-2)

Sample Date/Time: 07/13/2016 12:30 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116922-B-4-A		460-379129	460-378935	07/13/2016 21:06	1	TAL EDI	DAS
A:8260C	460-116922-B-4-A		460-379129	460-378935	07/15/2016 02:25	1	TAL EDI	AAT
P:3546	460-116922-E-4-A		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	460-116922-E-4-A		460-379174	460-379071	07/15/2016 07:31	1	TAL EDI	FAM
P:3546	460-116922-F-4-D		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	460-116922-F-4-D		460-379595	460-379394	07/18/2016 16:12	1	TAL EDI	SAK
P:3546	460-116922-F-4-C		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	460-116922-F-4-C		460-379556	460-379397	07/18/2016 14:08	1	TAL EDI	JHP
P:3050B	460-116922-F-4-B		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-F-4-B ^20		460-379259	460-379003	07/15/2016 09:57	20	TAL EDI	VAD
P:3050B	460-116922-F-4-B		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-F-4-B ^20		460-379602	460-379003	07/16/2016 19:16	20	TAL EDI	PHP
P:7471B	460-116922-F-4-A		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	460-116922-F-4-A		460-379043	460-378973	07/14/2016 09:52	1	TAL EDI	TJS
P:3060A	460-116922-F-4-E		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
A:7196A	460-116922-F-4-E		460-379492	460-379478	07/17/2016 14:00	1	TAL EDI	MAL
A:Moisture	460-116922-E-4		460-379349		07/15/2016 16:00	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116922-5

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116922-B-5-A		460-379129	460-378935	07/13/2016 21:07	1	TAL EDI	DAS
A:8260C	460-116922-B-5-A		460-379129	460-378935	07/15/2016 02:52	1	TAL EDI	AAT
P:3546	460-116922-E-5-E		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	460-116922-E-5-E		460-379174	460-379071	07/15/2016 07:55	1	TAL EDI	FAM
P:3546	460-116922-E-5-K		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-5-K		460-379595	460-379394	07/18/2016 16:25	1	TAL EDI	SAK
P:3546	460-116922-E-5-H		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-5-H		460-379556	460-379397	07/18/2016 12:31	1	TAL EDI	JHP
P:3050B	460-116922-E-5-B ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-B ^20		460-379259	460-379003	07/15/2016 09:11	20	TAL EDI	VAD
P:3050B	460-116922-E-5-B ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-B ^20		460-379602	460-379003	07/16/2016 16:24	20	TAL EDI	PHP
P:7471B	460-116922-E-5-A		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	460-116922-E-5-A		460-379043	460-378973	07/14/2016 09:54	1	TAL EDI	TJS
P:3060A	460-116922-E-5-L		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
A:7196A	460-116922-E-5-L		460-379492	460-379478	07/17/2016 13:07	1	TAL EDI	MAL
A:Moisture	460-116922-F-5		460-379349		07/15/2016 16:00	1	TAL EDI	GTSV

Lab ID: 460-116922-5 MS

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-116922-E-5-I MS		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-5-I MS		460-379595	460-379394	07/18/2016 15:09	1	TAL EDI	SAK
P:3546	460-116922-E-5-F MS		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-5-F MS		460-379556	460-379397	07/18/2016 12:49	1	TAL EDI	JHP
P:3050B	460-116922-E-5-D MS ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-D MS ^20		460-379259	460-379003	07/15/2016 08:59	20	TAL EDI	VAD
P:3050B	460-116922-E-5-D MS ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-D MS ^20		460-379602	460-379003	07/16/2016 16:12	20	TAL EDI	PHP

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116922-5 MSD

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-116922-E-5-J MSD		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	460-116922-E-5-J MSD		460-379595	460-379394	07/18/2016 15:20	1	TAL EDI	SAK
P:3546	460-116922-E-5-G MSD		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	460-116922-E-5-G MSD		460-379556	460-379397	07/18/2016 13:05	1	TAL EDI	JHP

Lab ID: 460-116922-5 PDS

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116922-E-5-B PDS ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-B PDS ^20		460-379259	460-379003	07/15/2016 08:54	20	TAL EDI	VAD
P:3050B	460-116922-E-5-B PDS ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-B PDS ^20		460-379602	460-379003	07/16/2016 16:06	20	TAL EDI	PHP
P:3060A	460-116922-E-5-L PDS		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
A:7196A	460-116922-E-5-L PDS		460-379492	460-379478	07/17/2016 13:07	1	TAL EDI	MAL

Lab ID: 460-116922-5 DU

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116922-E-5-C DU ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-C DU ^20		460-379259	460-379003	07/15/2016 09:05	20	TAL EDI	VAD
P:3050B	460-116922-E-5-C DU ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-C DU ^20		460-379602	460-379003	07/16/2016 16:18	20	TAL EDI	PHP
P:3060A	460-116922-E-5-M DU		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
A:7196A	460-116922-E-5-M DU		460-379492	460-379478	07/17/2016 13:07	1	TAL EDI	MAL

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116922-5 SD

Client ID: W108-SB-6 (0-2)

Sample Date/Time: 07/12/2016 10:25 Received Date/Time: 07/13/2016 19:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116922-E-5-B SD ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	460-116922-E-5-B SD ^20		460-379259	460-379003	07/15/2016 09:17	20	TAL EDI	VAD
P:3060A	460-116922-E-5-N MSS		460-379492	460-379478	07/16/2016 15:35	1	TAL EDI	MAL
P:3060A	460-116922-E-5-O MSI		460-379492	460-379478	07/16/2016 15:35	50	TAL EDI	MAL
A:7196A	460-116922-E-5-N MSS		460-379492	460-379478	07/17/2016 13:07	1	TAL EDI	MAL
A:7196A	460-116922-E-5-O MSI		460-379492	460-379478	07/17/2016 13:07	50	TAL EDI	MAL

Lab ID: 460-116994-1

Client ID: W108-SB-13(0-2)

Sample Date/Time: 07/14/2016 14:05 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-1-A		460-379471	460-379235	07/15/2016 07:44	1	TAL EDI	DBM
A:8260C	460-116994-B-1-A		460-379471	460-379235	07/17/2016 10:19	1	TAL EDI	AAT
P:3546	460-116994-F-1-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-1-A		460-379720	460-379309	07/19/2016 07:04	1	TAL EDI	AAS
P:3546	460-116994-E-1-A		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-E-1-A		460-379548	460-379501	07/18/2016 09:26	1	TAL EDI	SAK
P:3546	460-116994-E-1-B		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-E-1-B		460-379648	460-379502	07/18/2016 20:33	1	TAL EDI	JHP
P:3050B	460-116994-F-1-B ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-F-1-B ^20		460-379842	460-379489	07/19/2016 00:16	20	TAL EDI	PHP
P:7471B	460-116994-D-1-A		460-379593	460-379530	07/18/2016 04:26	1	TAL EDI	TJS
A:7471B	460-116994-D-1-A		460-379593	460-379530	07/18/2016 08:53	1	TAL EDI	TJS
P:3060A	460-116994-E-1-C		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-E-1-C		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL
A:Moisture	460-116994-D-1		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

Lab ID: 460-116994-1 PDS

Client ID: W108-SB-13(0-2)

Sample Date/Time: 07/14/2016 14:05 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-116994-E-1-C PDS		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-E-1-C PDS		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116994-1 DU

Client ID: W108-SB-13(0-2)

Sample Date/Time: 07/14/2016 14:05 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-116994-E-1-D DU		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-E-1-D DU		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL

Lab ID: 460-116994-1 MSS

Client ID: W108-SB-13(0-2)

Sample Date/Time: 07/14/2016 14:05 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-116994-E-1-E MSS		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
P:3060A	460-116994-E-1-F MSI		460-380067	460-380031	07/20/2016 09:25	50	TAL EDI	MAL
A:7196A	460-116994-E-1-E MSS		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL
A:7196A	460-116994-E-1-F MSI		460-380067	460-380031	07/20/2016 13:29	50	TAL EDI	MAL

Lab ID: 460-116994-2

Client ID: W108-SB-14(0-2)

Sample Date/Time: 07/14/2016 14:55 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-2-A		460-379471	460-379235	07/15/2016 07:45	1	TAL EDI	DBM
A:8260C	460-116994-B-2-A		460-379471	460-379235	07/17/2016 10:43	1	TAL EDI	AAT
P:3546	460-116994-E-2-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-E-2-A		460-379720	460-379309	07/19/2016 15:14	1	TAL EDI	AAS
P:3546	460-116994-F-2-B		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-2-B		460-379548	460-379501	07/18/2016 09:39	1	TAL EDI	SAK
P:3546	460-116994-F-2-C		460-379779	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-2-C		460-379779	460-379502	07/19/2016 09:29	1	TAL EDI	JHP
P:3050B	460-116994-F-2-A ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-F-2-A ^20		460-379842	460-379489	07/19/2016 00:21	20	TAL EDI	PHP
P:7471B	460-116994-D-2-A		460-379593	460-379530	07/18/2016 04:26	1	TAL EDI	TJS
A:7471B	460-116994-D-2-A		460-379593	460-379530	07/18/2016 08:55	1	TAL EDI	TJS
P:3060A	460-116994-F-2-D		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-F-2-D		460-380067	460-380031	07/20/2016 14:30	1	TAL EDI	MAL
A:Moisture	460-116994-D-2		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116994-3

Client ID: W108-SB-Y

Sample Date/Time: 07/14/2016 10:15 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-3-A		460-379471	460-379235	07/15/2016 07:46	1	TAL EDI	DBM
A:8260C	460-116994-B-3-A		460-379471	460-379235	07/17/2016 11:08	1	TAL EDI	AAT
P:3546	460-116994-F-3-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-3-A		460-379720	460-379309	07/19/2016 07:28	1	TAL EDI	AAS
P:3546	460-116994-E-3-A		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-E-3-A		460-379548	460-379501	07/18/2016 09:52	1	TAL EDI	SAK
P:3546	460-116994-E-3-B		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-E-3-B		460-379648	460-379502	07/18/2016 21:04	1	TAL EDI	JHP
P:3050B	460-116994-F-3-B		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-F-3-B ^20		460-379842	460-379489	07/19/2016 00:27	20	TAL EDI	PHP
P:7471B	460-116994-D-3-A		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-3-A		460-379593	460-379531	07/18/2016 09:31	1	TAL EDI	TJS
P:3060A	460-116994-E-3-C		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-E-3-C		460-380067	460-380031	07/20/2016 15:34	1	TAL EDI	MAL
A:Moisture	460-116994-D-3		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

Lab ID: 460-116994-4

Client ID: W108-SB-12C(0-2)

Sample Date/Time: 07/14/2016 11:10 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-C-4-A		460-379524	460-379235	07/15/2016 07:48	1	TAL EDI	DBM
A:8260C	460-116994-C-4-A		460-379524	460-379235	07/18/2016 13:05	1	TAL EDI	EMM
P:3546	460-116994-F-4-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-4-A		460-379720	460-379309	07/19/2016 07:53	1	TAL EDI	AAS
P:3546	460-116994-F-4-B		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-4-B		460-379548	460-379501	07/18/2016 10:06	1	TAL EDI	SAK
P:3546	460-116994-F-4-C		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-4-C		460-379648	460-379502	07/18/2016 21:20	1	TAL EDI	JHP
P:3050B	460-116994-E-4-A		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-E-4-A ^20		460-379842	460-379489	07/19/2016 00:33	20	TAL EDI	PHP
P:7471B	460-116994-D-4-A		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-4-A		460-379593	460-379531	07/18/2016 09:32	1	TAL EDI	TJS
P:3060A	460-116994-F-4-D		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-F-4-D		460-380067	460-380031	07/20/2016 15:34	1	TAL EDI	MAL
A:Moisture	460-116994-D-4		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116994-5

Client ID: W108-SB-12B(0-2)

Sample Date/Time: 07/14/2016 09:30 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-C-5-A		460-379524	460-379235	07/15/2016 07:48	1	TAL EDI	DBM
A:8260C	460-116994-C-5-A		460-379524	460-379235	07/18/2016 13:29	1	TAL EDI	EMM
P:3546	460-116994-E-5-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-E-5-A		460-379720	460-379309	07/19/2016 10:20	1	TAL EDI	AAS
P:3546	460-116994-F-5-A		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-5-A		460-379548	460-379501	07/18/2016 10:19	1	TAL EDI	SAK
P:3546	460-116994-F-5-B		460-379779	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-5-B		460-379779	460-379502	07/19/2016 09:45	1	TAL EDI	JHP
P:3050B	460-116994-E-5-B		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-E-5-B ^20		460-379842	460-379489	07/19/2016 00:39	20	TAL EDI	PHP
P:7471B	460-116994-D-5-A		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-5-A		460-379593	460-379531	07/18/2016 09:34	1	TAL EDI	TJS
P:3060A	460-116994-F-5-C		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-F-5-C		460-380067	460-380031	07/20/2016 15:34	1	TAL EDI	MAL
A:Moisture	460-116994-D-5		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

Lab ID: 460-116994-6

Client ID: W108-SB-11(0-2)

Sample Date/Time: 07/14/2016 12:45 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-6-A		460-379471	460-379235	07/15/2016 07:49	1	TAL EDI	DBM
A:8260C	460-116994-B-6-A		460-379471	460-379235	07/17/2016 12:22	1	TAL EDI	AAT
P:3546	460-116994-E-6-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-E-6-A		460-379720	460-379309	07/19/2016 10:44	1	TAL EDI	AAS
P:3546	460-116994-F-6-B		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-6-B		460-379548	460-379501	07/18/2016 10:32	1	TAL EDI	SAK
P:3546	460-116994-F-6-C		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-6-C		460-379648	460-379502	07/18/2016 21:52	1	TAL EDI	JHP
P:3050B	460-116994-F-6-A		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-F-6-A ^20		460-379842	460-379489	07/19/2016 00:44	20	TAL EDI	PHP
P:7471B	460-116994-D-6-A		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-6-A		460-379593	460-379531	07/18/2016 09:36	1	TAL EDI	TJS
P:3060A	460-116994-F-6-D		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	460-116994-F-6-D		460-380067	460-380031	07/20/2016 15:34	1	TAL EDI	MAL
A:Moisture	460-116994-D-6		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116994-7

Client ID: W108-SB-12B(2-4)

Sample Date/Time: 07/14/2016 09:50    Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	460-116994-B-7-A		460-379471	460-379235	07/15/2016	07:50	1	TAL EDI	DBM
A:8260C	460-116994-B-7-A		460-379471	460-379235	07/17/2016	12:46	1	TAL EDI	AAT
P:3546	460-116994-F-7-A		460-379720	460-379309	07/15/2016	14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-7-A		460-379720	460-379309	07/19/2016	11:09	1	TAL EDI	AAS
P:3546	460-116994-E-7-A		460-379548	460-379501	07/18/2016	02:14	1	TAL EDI	ARA
A:8081B	460-116994-E-7-A		460-379548	460-379501	07/18/2016	10:46	1	TAL EDI	SAK
P:3546	460-116994-E-7-B		460-379648	460-379502	07/18/2016	02:19	1	TAL EDI	ARA
A:8082A	460-116994-E-7-B		460-379648	460-379502	07/18/2016	22:08	1	TAL EDI	JHP
P:3050B	460-116994-F-7-B		460-379842	460-379489	07/17/2016	17:57	20	TAL EDI	EAE
A:6020A	460-116994-F-7-B ^20		460-379842	460-379489	07/19/2016	00:56	20	TAL EDI	PHP
P:7471B	460-116994-D-7-A		460-379593	460-379531	07/18/2016	04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-7-A		460-379593	460-379531	07/18/2016	09:38	1	TAL EDI	TJS
P:3060A	460-116994-E-7-C		460-380067	460-380031	07/20/2016	09:25	1	TAL EDI	MAL
A:7196A	460-116994-E-7-C		460-380067	460-380031	07/20/2016	15:34	1	TAL EDI	MAL
A:Moisture	460-116994-D-7		460-379836		07/19/2016	11:45	1	TAL EDI	KRW

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116994-8

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20      Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	460-116994-B-8-A		460-379471	460-379235	07/15/2016	07:51	1	TAL EDI	DBM
A:8260C	460-116994-B-8-A		460-379471	460-379235	07/17/2016	09:54	1	TAL EDI	AAT
P:3546	460-116994-E-8-A		460-379971	460-379309	07/15/2016	14:18	1	TAL EDI	FHW
A:8270D	460-116994-E-8-A		460-379971	460-379309	07/20/2016	12:06	1	TAL EDI	MMC
P:3546	460-116994-F-8-D		460-379548	460-379501	07/18/2016	02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-8-D		460-379548	460-379501	07/18/2016	08:45	1	TAL EDI	SAK
P:3546	460-116994-F-8-F		460-379648	460-379502	07/18/2016	02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-8-F		460-379648	460-379502	07/18/2016	22:24	1	TAL EDI	JHP
P:3050B	460-116994-D-8-A		460-379842	460-379489	07/17/2016	17:57	20	TAL EDI	EAE
A:6020A	460-116994-D-8-A ^20		460-379842	460-379489	07/18/2016	20:01	20	TAL EDI	PHP
P:3050B	460-116994-D-8-A ^20		460-379842	460-379489	07/17/2016	17:57	20	TAL EDI	EAE
A:6020A	460-116994-D-8-A ^20		460-379842	460-379489	07/18/2016	23:24	20	TAL EDI	PHP
P:7471B	460-116994-D-8-B		460-379593	460-379531	07/18/2016	04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-8-B		460-379593	460-379531	07/18/2016	09:21	1	TAL EDI	TJS
P:3060A	460-116994-E-8-B		460-379443	460-379419	07/15/2016	15:30	1	TAL EDI	MAL
P:3060A	460-116994-E-8-D MSS		460-379443	460-379419	07/15/2016	15:30	1	TAL EDI	MAL
A:7196A	460-116994-E-8-B		460-379443	460-379419	07/15/2016	17:23	1	TAL EDI	MAL
A:7196A	460-116994-E-8-D MSS		460-379443	460-379419	07/15/2016	17:23	1	TAL EDI	MAL
A:Moisture	460-116994-D-8		460-379836		07/19/2016	11:45	1	TAL EDI	KRW
A:Moisture	460-116994-D-8 MSS		460-379836		07/19/2016	11:45	1	TAL EDI	KRW

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Chronicle**

Lab ID: 460-116994-8

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-8-B MS		460-379471	460-379235	07/15/2016 07:52	1	TAL EDI	DBM
A:8260C	460-116994-B-8-B MS		460-379471	460-379235	07/17/2016 13:11	1	TAL EDI	AAT
P:3546	460-116994-F-8-A MS		460-379971	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-8-A MS		460-379971	460-379309	07/20/2016 12:30	1	TAL EDI	MMC
P:3546	460-116994-E-8-G MS		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-E-8-G MS		460-379548	460-379501	07/18/2016 08:59	1	TAL EDI	SAK
P:3546	460-116994-E-8-H MS		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-E-8-H MS		460-379648	460-379502	07/18/2016 16:50	1	TAL EDI	JHP
P:3050B	460-116994-E-8-F MS ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-E-8-F MS ^20		460-379842	460-379489	07/18/2016 19:50	20	TAL EDI	PHP
P:3050B	460-116994-E-8-F MS ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-E-8-F MS ^20		460-379842	460-379489	07/18/2016 23:12	20	TAL EDI	PHP
P:7471B	460-116994-D-8-C MS		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-D-8-C MS		460-379593	460-379531	07/18/2016 09:25	1	TAL EDI	TJS
A:Moisture	460-116994-D-8 MS		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

Lab ID: 460-116994-8

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116994-B-8-C MSD		460-379471	460-379235	07/15/2016 07:53	1	TAL EDI	DBM
A:8260C	460-116994-B-8-C MSD		460-379471	460-379235	07/17/2016 13:35	1	TAL EDI	AAT
P:3546	460-116994-F-8-B MSD		460-379971	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	460-116994-F-8-B MSD		460-379971	460-379309	07/20/2016 12:54	1	TAL EDI	MMC
P:3546	460-116994-F-8-C MSD		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	460-116994-F-8-C MSD		460-379548	460-379501	07/18/2016 09:12	1	TAL EDI	SAK
P:3546	460-116994-F-8-E MSD		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	460-116994-F-8-E MSD		460-379648	460-379502	07/18/2016 17:06	1	TAL EDI	JHP
A:Moisture	460-116994-D-8 MSD		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: 460-116994-8 PDS

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20    Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116994-D-8-A PDS ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-D-8-A PDS ^20		460-379842	460-379489	07/18/2016 19:44	20	TAL EDI	PHP
P:3050B	460-116994-D-8-A PDS ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-D-8-A PDS ^20		460-379842	460-379489	07/18/2016 23:07	20	TAL EDI	PHP
P:3060A	460-116994-E-8-B PDS		460-379443	460-379419	07/15/2016 15:30	1	TAL EDI	MAL
A:7196A	460-116994-E-8-B PDS		460-379443	460-379419	07/15/2016 17:23	1	TAL EDI	MAL

Lab ID: 460-116994-8

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20    Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116994-A-8-D DU ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-A-8-D DU ^20		460-379842	460-379489	07/18/2016 19:55	20	TAL EDI	PHP
P:3050B	460-116994-A-8-D DU ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	460-116994-A-8-D DU ^20		460-379842	460-379489	07/18/2016 23:18	20	TAL EDI	PHP
P:7471B	460-116994-A-8-E DU		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	460-116994-A-8-E DU		460-379593	460-379531	07/18/2016 09:23	1	TAL EDI	TJS
P:3060A	460-116994-E-8-C DU		460-379443	460-379419	07/15/2016 15:30	1	TAL EDI	MAL
A:7196A	460-116994-E-8-C DU		460-379443	460-379419	07/15/2016 17:23	1	TAL EDI	MAL
A:Moisture	460-116994-D-8 DU		460-379836		07/19/2016 11:45	1	TAL EDI	KRW

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: 460-116994-8 SD

Client ID: W108-SB-15(0-2)

Sample Date/Time: 07/14/2016 15:20 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-116994-D-8-A SD ^100		460-379842	460-379489	07/17/2016 17:57	100	TAL EDI	EAE
A:6020A	460-116994-D-8-A SD ^100		460-379842	460-379489	07/18/2016 20:07	100	TAL EDI	PHP
P:3050B	460-116994-D-8-A SD ^100		460-379842	460-379489	07/17/2016 17:57	100	TAL EDI	EAE
A:6020A	460-116994-D-8-A SD ^100		460-379842	460-379489	07/18/2016 23:30	100	TAL EDI	PHP
P:7471B	460-116994-D-8-B SD ^5		460-379593	460-379531	07/18/2016 04:53	5	TAL EDI	TJS
A:7471B	460-116994-D-8-B SD ^5		460-379593	460-379531	07/18/2016 10:10	5	TAL EDI	TJS
P:3060A	460-116994-E-8-E MSI		460-379443	460-379419	07/15/2016 15:30	50	TAL EDI	MAL
A:7196A	460-116994-E-8-E MSI		460-379443	460-379419	07/15/2016 17:23	50	TAL EDI	MAL

Lab ID: 460-116994-10

Client ID: FB20160714

Sample Date/Time: 07/14/2016 14:30 Received Date/Time: 07/14/2016 20:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-116994-A-10		460-379337		07/16/2016 06:10	1	TAL EDI	MZS
A:8260C	460-116994-A-10		460-379337		07/16/2016 06:10	1	TAL EDI	MZS
P:3510C	460-116994-K-10-A		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	460-116994-K-10-A		460-379378	460-379320	07/16/2016 07:57	1	TAL EDI	AAS
P:3510C	460-116994-H-10-A		460-379549	460-379236	07/15/2016 07:45	1	TAL EDI	HAW
A:8081B	460-116994-H-10-A		460-379549	460-379236	07/18/2016 11:03	1	TAL EDI	SAK
P:3510C	460-116994-H-10-B		460-379554	460-379239	07/15/2016 07:50	1	TAL EDI	HAW
A:8082A	460-116994-H-10-B		460-379554	460-379239	07/18/2016 14:11	1	TAL EDI	JHP
P:3010A	460-116994-E-10-A ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	460-116994-E-10-A ^2		460-379330	460-379231	07/15/2016 18:56	2	TAL EDI	PHP
P:7470A	460-116994-E-10-B		460-379655	460-379600	07/18/2016 11:55	1	TAL EDI	RBS
A:7470A	460-116994-E-10-B		460-379655	460-379600	07/18/2016 13:57	1	TAL EDI	RBS
A:7196A	460-116994-F-10		460-379300		07/15/2016 13:25	1	TAL EDI	PXP

Lab ID: 460-117248-1

Client ID: TB20160714

Sample Date/Time: 07/14/2016 00:00 Received Date/Time: 07/19/2016 19:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	460-117248-B-1		460-380463		07/22/2016 12:06	1	TAL EDI	MZS
A:8260C	460-117248-B-1		460-380463		07/22/2016 12:06	1	TAL EDI	MZS

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	MB 460-378974/7		460-378974		07/14/2016 07:38	1	TAL EDI	KLB
A:8260C	MB 460-378976/7		460-378976		07/14/2016 07:54	1	TAL EDI	MZS
A:8260C	MB 460-379053/8		460-379053		07/14/2016 14:39	50	TAL EDI	EMM
A:8260C	MB 460-379129/7		460-379129		07/14/2016 19:51	1	TAL EDI	AAT
A:8260C	MB 460-379152/7		460-379152		07/14/2016 22:03	1	TAL EDI	EMM
A:8260C	MB 460-379154/7		460-379154		07/15/2016 03:00	50	TAL EDI	EMM
A:8260C	MB 460-379260/9		460-379260		07/15/2016 15:49	50	TAL EDI	EMM
P:5030C	MB 460-379337/7		460-379337		07/16/2016 00:07	1	TAL EDI	MZS
A:8260C	MB 460-379337/7		460-379337		07/16/2016 00:07	1	TAL EDI	MZS
A:8260C	MB 460-379412/7		460-379412		07/16/2016 07:48	1	TAL EDI	AAT
P:5030C	MB 460-379422/7		460-379422		07/16/2016 12:15	1	TAL EDI	AAT
A:8260C	MB 460-379422/7		460-379422		07/16/2016 12:15	1	TAL EDI	AAT
A:8260C	MB 460-379471/7		460-379471		07/17/2016 09:04	1	TAL EDI	AAT
A:8260C	MB 460-379524/8		460-379524		07/18/2016 08:59	1	TAL EDI	EMM
P:5030C	MB 460-380463/7		460-380463		07/22/2016 11:40	1	TAL EDI	MZS
A:8260C	MB 460-380463/7		460-380463		07/22/2016 11:40	1	TAL EDI	MZS
P:3510C	MB 460-378878/1-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	MB 460-378878/1-A		460-378964	460-378878	07/14/2016 10:11	1	TAL EDI	MMC
P:3546	MB 460-379071/1-A		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	MB 460-379071/1-A		460-379174	460-379071	07/15/2016 00:58	1	TAL EDI	FAM
P:3546	MB 460-379075/1-A		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	MB 460-379075/1-A		460-379179	460-379075	07/15/2016 11:30	1	TAL EDI	MMC
P:3510C	MB 460-379320/1-A		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	MB 460-379320/1-A		460-379378	460-379320	07/16/2016 02:53	1	TAL EDI	AAS
P:3546	MB 460-379309/1-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	MB 460-379309/1-A		460-379720	460-379309	07/19/2016 14:01	1	TAL EDI	AAS
P:3510C	MB 460-378802/1-A		460-378894	460-378802	07/13/2016 08:05	1	TAL EDI	HAW
A:8081B	MB 460-378802/1-A		460-378894	460-378802	07/13/2016 15:43	1	TAL EDI	SAK
P:3546	MB 460-378924/1-A		460-378969	460-378924	07/13/2016 18:09	1	TAL EDI	JMS
A:8081B	MB 460-378924/1-A		460-378969	460-378924	07/14/2016 05:32	1	TAL EDI	SAK
P:3546	MB 460-379172/1-A		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	MB 460-379172/1-A		460-379216	460-379172	07/15/2016 07:32	1	TAL EDI	CDC
P:3546	MB 460-379501/1-A		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	MB 460-379501/1-A		460-379548	460-379501	07/18/2016 07:52	1	TAL EDI	SAK
P:3510C	MB 460-379236/1-A		460-379549	460-379236	07/15/2016 07:45	1	TAL EDI	HAW
A:8081B	MB 460-379236/1-A		460-379549	460-379236	07/18/2016 08:17	1	TAL EDI	SAK
P:3546	MB 460-379394/1-A		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	MB 460-379394/1-A		460-379595	460-379394	07/18/2016 13:54	1	TAL EDI	SAK
P:3546	MB 460-379394/1-A	RA	460-379777	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	MB 460-379394/1-A	RA	460-379777	460-379394	07/19/2016 08:06	1	TAL EDI	SAK
P:3510C	MB 460-378807/1-A		460-378903	460-378807	07/13/2016 08:21	1	TAL EDI	HAW
A:8082A	MB 460-378807/1-A		460-378903	460-378807	07/13/2016 15:47	1	TAL EDI	JHP
P:3546	MB 460-378922/1-A		460-378970	460-378922	07/13/2016 18:05	1	TAL EDI	JMS
A:8082A	MB 460-378922/1-A		460-378970	460-378922	07/14/2016 05:16	1	TAL EDI	JHP

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 460-379169/1-A		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	MB 460-379169/1-A		460-379213	460-379169	07/15/2016 09:11	1	TAL EDI	CDC
P:3546	MB 460-379169/1-A	RA	460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	MB 460-379169/1-A	RA	460-379213	460-379169	07/15/2016 16:47	1	TAL EDI	CDC
P:3546	MB 460-379397/1-A		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	MB 460-379397/1-A		460-379556	460-379397	07/18/2016 11:58	1	TAL EDI	JHP
P:3510C	MB 460-379239/1-A		460-379554	460-379239	07/15/2016 07:50	1	TAL EDI	HAW
A:8082A	MB 460-379239/1-A		460-379554	460-379239	07/18/2016 12:58	1	TAL EDI	JHP
P:3546	MB 460-379502/1-A		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	MB 460-379502/1-A		460-379648	460-379502	07/18/2016 16:18	1	TAL EDI	JHP
P:3050B	MB 460-378796/1-A ^20		460-379057	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	MB 460-378796/1-A ^20		460-379057	460-378796	07/14/2016 02:01	20	TAL EDI	VAD
P:3050B	MB 460-378796/1-A ^20		460-379259	460-378796	07/13/2016 07:28	20	TAL EDI	MDC
A:6020A	MB 460-378796/1-A ^20		460-379259	460-378796	07/15/2016 01:13	20	TAL EDI	VAD
P:3050B	MB 460-379003/1-A ^20		460-379259	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	MB 460-379003/1-A ^20		460-379259	460-379003	07/15/2016 08:42	20	TAL EDI	VAD
P:3010A	MB 460-378992/1-A ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	MB 460-378992/1-A ^2		460-379330	460-378992	07/15/2016 15:20	2	TAL EDI	PHP
P:3010A	MB 460-379231/1-A ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	MB 460-379231/1-A ^2		460-379330	460-379231	07/15/2016 17:41	2	TAL EDI	PHP
P:3050B	MB 460-379003/1-A ^20		460-379602	460-379003	07/14/2016 07:50	20	TAL EDI	MDC
A:6020A	MB 460-379003/1-A ^20		460-379602	460-379003	07/16/2016 15:55	20	TAL EDI	PHP
P:3050B	MB 460-379489/1-A ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	MB 460-379489/1-A ^20		460-379842	460-379489	07/18/2016 19:32	20	TAL EDI	PHP
P:3050B	MB 460-379489/1-A ^20		460-379842	460-379489	07/17/2016 17:57	20	TAL EDI	EAE
A:6020A	MB 460-379489/1-A ^20		460-379842	460-379489	07/18/2016 22:55	20	TAL EDI	PHP
P:7470A	MB 460-378838/1-A		460-378906	460-378838	07/13/2016 11:57	1	TAL EDI	RBS
A:7470A	MB 460-378838/1-A		460-378906	460-378838	07/13/2016 14:10	1	TAL EDI	RBS
P:7470A	MB 460-379600/1-A		460-379655	460-379600	07/18/2016 11:55	1	TAL EDI	RBS
A:7470A	MB 460-379600/1-A		460-379655	460-379600	07/18/2016 13:31	1	TAL EDI	RBS
P:7471B	MB 460-378753/10-A		460-378820	460-378753	07/13/2016 03:39	1	TAL EDI	TJS
A:7471B	MB 460-378753/10-A		460-378820	460-378753	07/13/2016 07:38	1	TAL EDI	TJS
P:7471B	MB 460-378760/1-A		460-378820	460-378760	07/13/2016 04:11	1	TAL EDI	TJS

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7471B	MB 460-378760/1-A		460-378820	460-378760	07/13/2016 08:32	1	TAL EDI	TJS
P:7471B	MB 460-378973/10-A		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	MB 460-378973/10-A		460-379043	460-378973	07/14/2016 09:05	1	TAL EDI	TJS
P:7471B	MB 460-379530/10-A		460-379593	460-379530	07/18/2016 04:26	1	TAL EDI	TJS
A:7471B	MB 460-379530/10-A		460-379593	460-379530	07/18/2016 08:23	1	TAL EDI	TJS
P:7471B	MB 460-379531/1-A		460-379593	460-379531	07/18/2016 04:53	1	TAL EDI	TJS
A:7471B	MB 460-379531/1-A		460-379593	460-379531	07/18/2016 09:17	1	TAL EDI	TJS
A:7196A	MB 460-378812/9		460-378812		07/13/2016 07:45	1	TAL EDI	PXP
P:3060A	MB 460-378798/1-A		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
A:7196A	MB 460-378798/1-A		460-378837	460-378798	07/13/2016 09:40	1	TAL EDI	RAK
P:3060A	MB 460-379011/1-A		460-379018	460-379011	07/14/2016 08:45	1	TAL EDI	MAL
A:7196A	MB 460-379011/1-A		460-379018	460-379011	07/14/2016 11:50	1	TAL EDI	MAL
A:7196A	MB 460-379300/9		460-379300		07/15/2016 13:25	1	TAL EDI	PXP
P:3060A	MB 460-379419/1-A		460-379443	460-379419	07/15/2016 15:30	1	TAL EDI	MAL
A:7196A	MB 460-379419/1-A		460-379443	460-379419	07/15/2016 17:23	1	TAL EDI	MAL
P:3060A	MB 460-380031/1-A		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	MB 460-380031/1-A		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL

Lab ID: LB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LB 460-378662/1-C		460-379001	460-378802	07/13/2016 08:05	1	TAL EDI	HAW
A:8081B	LB 460-378662/1-C		460-379001	460-378802	07/14/2016 09:18	1	TAL EDI	SAK

Lab ID: LB3

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LB3 460-378784/1-A		460-378974	460-378784	07/13/2016 07:14	1	TAL EDI	DBM
A:8260C	LB3 460-378784/1-A		460-378974	460-378784	07/14/2016 08:02	1	TAL EDI	KLB
P:5035	LB3 460-378935/1-A		460-378976	460-378935	07/13/2016 21:00	1	TAL EDI	DAS
A:8260C	LB3 460-378935/1-A		460-378976	460-378935	07/14/2016 16:41	1	TAL EDI	MZS
P:5035	LB3 460-379235/1-A		460-379471	460-379235	07/15/2016 07:44	1	TAL EDI	DBM
A:8260C	LB3 460-379235/1-A		460-379471	460-379235	07/17/2016 09:29	1	TAL EDI	AAT

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	LCS 460-378974/3		460-378974		07/14/2016 05:47	1	TAL EDI	KLB
A:8260C	LCS 460-378976/3		460-378976		07/14/2016 05:52	1	TAL EDI	MZS
A:8260C	LCS 460-379053/3		460-379053		07/14/2016 12:38	50	TAL EDI	EMM
A:8260C	LCS 460-379129/3		460-379129		07/14/2016 18:08	1	TAL EDI	AAT
A:8260C	LCS 460-379152/3		460-379152		07/14/2016 20:24	1	TAL EDI	EMM
A:8260C	LCS 460-379154/3		460-379154		07/15/2016 01:23	50	TAL EDI	EMM
A:8260C	LCS 460-379260/5		460-379260		07/15/2016 14:08	50	TAL EDI	EMM
P:5030C	LCS 460-379337/3		460-379337		07/15/2016 22:19	1	TAL EDI	MZS
A:8260C	LCS 460-379337/3		460-379337		07/15/2016 22:19	1	TAL EDI	MZS
A:8260C	LCS 460-379412/3		460-379412		07/16/2016 05:54	1	TAL EDI	AAT
P:5030C	LCS 460-379422/3		460-379422		07/16/2016 10:27	1	TAL EDI	AAT
A:8260C	LCS 460-379422/3		460-379422		07/16/2016 10:27	1	TAL EDI	AAT
A:8260C	LCS 460-379471/3		460-379471		07/17/2016 07:13	1	TAL EDI	AAT
A:8260C	LCS 460-379524/4		460-379524		07/18/2016 07:21	1	TAL EDI	EMM
P:5030C	LCS 460-380463/3		460-380463		07/22/2016 09:57	1	TAL EDI	MZS
A:8260C	LCS 460-380463/3		460-380463		07/22/2016 09:57	1	TAL EDI	MZS
P:3510C	LCS 460-378878/4-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	LCS 460-378878/4-A		460-378964	460-378878	07/14/2016 07:17	1	TAL EDI	MMC
P:3510C	LCS 460-378878/2-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	LCS 460-378878/2-A		460-378964	460-378878	07/14/2016 10:33	1	TAL EDI	MMC
P:3546	LCS 460-379071/2-A		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	LCS 460-379071/2-A		460-379174	460-379071	07/15/2016 01:29	1	TAL EDI	FAM
P:3546	LCS 460-379071/3-A		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	LCS 460-379071/3-A		460-379174	460-379071	07/15/2016 01:53	1	TAL EDI	FAM
P:3546	LCS 460-379075/2-A		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	LCS 460-379075/2-A		460-379179	460-379075	07/15/2016 07:13	1	TAL EDI	MMC
P:3546	LCS 460-379075/3-A		460-379179	460-379075	07/14/2016 12:49	1	TAL EDI	GRB
A:8270D	LCS 460-379075/3-A		460-379179	460-379075	07/15/2016 07:39	1	TAL EDI	MMC
P:3510C	LCS 460-379320/2-A		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	LCS 460-379320/2-A		460-379378	460-379320	07/16/2016 03:15	1	TAL EDI	AAS
P:3510C	LCS 460-379320/3-A		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	LCS 460-379320/3-A		460-379378	460-379320	07/16/2016 03:36	1	TAL EDI	AAS
P:3546	LCS 460-379309/2-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	LCS 460-379309/2-A		460-379720	460-379309	07/19/2016 05:50	1	TAL EDI	AAS
P:3546	LCS 460-379309/3-A		460-379720	460-379309	07/15/2016 14:18	1	TAL EDI	FHW
A:8270D	LCS 460-379309/3-A		460-379720	460-379309	07/19/2016 06:14	1	TAL EDI	AAS
P:3510C	LCS 460-378802/2-A		460-378894	460-378802	07/13/2016 08:05	1	TAL EDI	HAW
A:8081B	LCS 460-378802/2-A		460-378894	460-378802	07/13/2016 15:56	1	TAL EDI	SAK
P:3546	LCS 460-378924/2-A		460-378969	460-378924	07/13/2016 18:09	1	TAL EDI	JMS
A:8081B	LCS 460-378924/2-A		460-378969	460-378924	07/14/2016 05:45	1	TAL EDI	SAK
P:3546	LCS 460-379172/2-A		460-379216	460-379172	07/14/2016 23:15	1	TAL EDI	JMS
A:8081B	LCS 460-379172/2-A		460-379216	460-379172	07/15/2016 07:46	1	TAL EDI	CDC
P:3546	LCS 460-379501/2-A		460-379548	460-379501	07/18/2016 02:14	1	TAL EDI	ARA
A:8081B	LCS 460-379501/2-A		460-379548	460-379501	07/18/2016 08:05	1	TAL EDI	SAK

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCS 460-379236/2-A		460-379549	460-379236	07/15/2016 07:45	1	TAL EDI	HAW
A:8081B	LCS 460-379236/2-A		460-379549	460-379236	07/18/2016 08:29	1	TAL EDI	SAK
P:3546	LCS 460-379394/2-A		460-379595	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	LCS 460-379394/2-A		460-379595	460-379394	07/18/2016 14:07	1	TAL EDI	SAK
P:3546	LCS 460-379394/2-A	RA	460-379777	460-379394	07/15/2016 23:56	1	TAL EDI	JMS
A:8081B	LCS 460-379394/2-A	RA	460-379777	460-379394	07/19/2016 08:19	1	TAL EDI	SAK
P:3510C	LCS 460-378807/2-A		460-378903	460-378807	07/13/2016 08:21	1	TAL EDI	HAW
A:8082A	LCS 460-378807/2-A		460-378903	460-378807	07/13/2016 16:02	1	TAL EDI	JHP
P:3546	LCS 460-378922/2-A		460-378970	460-378922	07/13/2016 18:05	1	TAL EDI	JMS
A:8082A	LCS 460-378922/2-A		460-378970	460-378922	07/14/2016 05:31	1	TAL EDI	JHP
P:3546	LCS 460-379169/2-A		460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	LCS 460-379169/2-A		460-379213	460-379169	07/15/2016 09:25	1	TAL EDI	CDC
P:3546	LCS 460-379169/2-A	RA	460-379213	460-379169	07/14/2016 22:07	1	TAL EDI	JMS
A:8082A	LCS 460-379169/2-A	RA	460-379213	460-379169	07/15/2016 16:32	1	TAL EDI	CDC
P:3546	LCS 460-379397/2-A		460-379556	460-379397	07/15/2016 23:59	1	TAL EDI	JMS
A:8082A	LCS 460-379397/2-A		460-379556	460-379397	07/18/2016 12:14	1	TAL EDI	JHP
P:3510C	LCS 460-379239/2-A		460-379554	460-379239	07/15/2016 07:50	1	TAL EDI	HAW
A:8082A	LCS 460-379239/2-A		460-379554	460-379239	07/18/2016 13:13	1	TAL EDI	JHP
P:3546	LCS 460-379502/2-A		460-379648	460-379502	07/18/2016 02:19	1	TAL EDI	ARA
A:8082A	LCS 460-379502/2-A		460-379648	460-379502	07/18/2016 16:34	1	TAL EDI	JHP
P:3010A	LCS 460-378992/2-A ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	LCS 460-378992/2-A ^2		460-379330	460-378992	07/15/2016 15:25	2	TAL EDI	PHP
P:3010A	LCS 460-379231/2-A ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	LCS 460-379231/2-A ^2		460-379330	460-379231	07/15/2016 17:47	2	TAL EDI	PHP
P:7470A	LCS 460-378838/2-A		460-378906	460-378838	07/13/2016 11:57	1	TAL EDI	RBS
A:7470A	LCS 460-378838/2-A		460-378906	460-378838	07/13/2016 14:12	1	TAL EDI	RBS
P:7470A	LCS 460-379600/2-A		460-379655	460-379600	07/18/2016 11:55	1	TAL EDI	RBS
A:7470A	LCS 460-379600/2-A		460-379655	460-379600	07/18/2016 13:33	1	TAL EDI	RBS

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260C	LCSD 460-378976/4		460-378976		07/14/2016 06:18	1	TAL EDI	MZS
A:8260C	LCSD 460-379129/4		460-379129		07/14/2016 18:33	1	TAL EDI	AAT
A:8260C	LCSD 460-379152/4		460-379152		07/14/2016 20:49	1	TAL EDI	EMM
A:8260C	LCSD 460-379154/4		460-379154		07/15/2016 01:48	50	TAL EDI	EMM
P:5030C	LCSD 460-379337/4		460-379337		07/15/2016 22:46	1	TAL EDI	MZS
A:8260C	LCSD 460-379337/4		460-379337		07/15/2016 22:46	1	TAL EDI	MZS
A:8260C	LCSD 460-379412/4		460-379412		07/16/2016 06:19	1	TAL EDI	AAT
A:8260C	LCSD 460-379524/5		460-379524		07/18/2016 07:45	1	TAL EDI	EMM
P:3510C	LCSD 460-378878/5-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	LCSD 460-378878/5-A		460-378964	460-378878	07/14/2016 07:39	1	TAL EDI	MMC
P:3510C	LCSD 460-378878/3-A		460-378964	460-378878	07/13/2016 14:44	1	TAL EDI	AFR
A:8270D	LCSD 460-378878/3-A		460-378964	460-378878	07/14/2016 10:55	1	TAL EDI	MMC
P:3510C	LCSD 460-378802/3-A		460-378894	460-378802	07/13/2016 08:05	1	TAL EDI	HAW
A:8081B	LCSD 460-378802/3-A		460-378894	460-378802	07/13/2016 16:09	1	TAL EDI	SAK
P:3510C	LCSD 460-378807/3-A		460-378903	460-378807	07/13/2016 08:21	1	TAL EDI	HAW
A:8082A	LCSD 460-378807/3-A		460-378903	460-378807	07/13/2016 16:16	1	TAL EDI	JHP
P:3510C	LCSD 460-379239/3-A		460-379554	460-379239	07/15/2016 07:50	1	TAL EDI	HAW
A:8082A	LCSD 460-379239/3-A		460-379554	460-379239	07/18/2016 13:27	1	TAL EDI	JHP

**Quality Control Results**

Client: AKRF Inc

Job Number: 460-116807-1

**Laboratory Chronicle**

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM		460-379057	460-378796	07/13/2016 07:28	100	TAL EDI	MDC
A:6020A	460-378796/2-A ^100		460-379057	460-378796	07/14/2016 02:07	100	TAL EDI	VAD
P:3050B	LCSSRM		460-379259	460-378796	07/13/2016 07:28	100	TAL EDI	MDC
A:6020A	460-378796/2-A ^100		460-379259	460-378796	07/15/2016 01:19	100	TAL EDI	VAD
P:3050B	LCSSRM		460-379259	460-379003	07/14/2016 07:50	100	TAL EDI	MDC
A:6020A	460-379003/2-A ^100		460-379259	460-379003	07/15/2016 08:48	100	TAL EDI	VAD
P:3050B	LCSSRM		460-379602	460-379003	07/14/2016 07:50	100	TAL EDI	MDC
A:6020A	460-379003/2-A ^100		460-379602	460-379003	07/16/2016 16:01	100	TAL EDI	PHP
P:3050B	LCSSRM		460-379842	460-379489	07/17/2016 17:57	100	TAL EDI	EAE
A:6020A	460-379489/2-A ^100		460-379842	460-379489	07/18/2016 19:38	100	TAL EDI	PHP
P:3050B	LCSSRM		460-379842	460-379489	07/17/2016 17:57	100	TAL EDI	EAE
A:6020A	460-379489/2-A ^100		460-379842	460-379489	07/18/2016 23:01	100	TAL EDI	PHP
P:7471B	LCSSRM		460-378820	460-378753	07/13/2016 03:39	20	TAL EDI	TJS
A:7471B	460-378753/11-A ^20		460-378820	460-378753	07/13/2016 07:40	20	TAL EDI	TJS
P:7471B	LCSSRM		460-378820	460-378760	07/13/2016 04:11	20	TAL EDI	TJS
A:7471B	460-378760/2-A ^20		460-378820	460-378760	07/13/2016 08:34	20	TAL EDI	TJS
P:7471B	LCSSRM		460-379043	460-378973	07/14/2016 04:38	20	TAL EDI	TJS
A:7471B	460-378973/11-A ^20		460-379043	460-378973	07/14/2016 09:07	20	TAL EDI	TJS
P:7471B	LCSSRM		460-379593	460-379530	07/18/2016 04:26	20	TAL EDI	TJS
A:7471B	460-379530/11-A ^20		460-379593	460-379530	07/18/2016 08:25	20	TAL EDI	TJS
P:7471B	LCSSRM		460-379593	460-379531	07/18/2016 04:53	20	TAL EDI	TJS
A:7471B	460-379531/2-A ^20		460-379593	460-379531	07/18/2016 09:19	20	TAL EDI	TJS
A:7196A	LCSSRM		460-378812		07/13/2016 07:45	1	TAL EDI	PXP
P:3060A	460-378812/10		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
A:7196A	460-378798/2-A		460-378837	460-378798	07/13/2016 09:40	1	TAL EDI	RAK
P:3060A	LCSSRM		460-379018	460-379011	07/14/2016 08:45	1	TAL EDI	MAL
	460-379011/2-A							

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7196A	LCSSRM 460-379011/2-A		460-379018	460-379011	07/14/2016 11:50	1	TAL EDI	MAL
A:7196A	LCSSRM 460-379300/10		460-379300		07/15/2016 13:25	1	TAL EDI	PXP
P:3060A	LCSSRM 460-379419/2-A		460-379443	460-379419	07/15/2016 15:30	1	TAL EDI	MAL
A:7196A	LCSSRM 460-379419/2-A		460-379443	460-379419	07/15/2016 17:23	1	TAL EDI	MAL
P:3060A	LCSSRM 460-380031/2-A		460-380067	460-380031	07/20/2016 09:25	1	TAL EDI	MAL
A:7196A	LCSSRM 460-380031/2-A		460-380067	460-380031	07/20/2016 13:29	1	TAL EDI	MAL

Lab ID: LCDSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7196A	LCDSRM 460-379300/11		460-379300		07/15/2016 13:25	1	TAL EDI	PXP

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: MS

Client ID: N/A

Sample Date/Time: 07/06/2016 13:33 Received Date/Time: 07/07/2016 13:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116581-A-13-A MS		460-379053	460-377867	07/07/2016 17:59	100	TAL EDI	AVM
A:8260C	460-116581-A-13-A MS		460-379053	460-377867	07/14/2016 15:51	100	TAL EDI	EMM
P:5035	460-116771-B-1-A MS		460-379260	460-378456	07/11/2016 18:10	50	TAL EDI	AVM
A:8260C	460-116771-B-1-A MS		460-379260	460-378456	07/15/2016 21:25	50	TAL EDI	EMM
P:5030C	460-116741-B-1 MS		460-379422		07/16/2016 16:18	10	TAL EDI	AAT
A:8260C	460-116741-B-1 MS		460-379422		07/16/2016 16:18	10	TAL EDI	AAT
P:5030C	460-117128-C-3 MS		460-380463		07/22/2016 16:25	10	TAL EDI	MZS
A:8260C	460-117128-C-3 MS		460-380463		07/22/2016 16:25	10	TAL EDI	MZS
P:3546	460-116902-D-4-C MS		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	460-116902-D-4-C MS		460-379174	460-379071	07/15/2016 03:06	1	TAL EDI	FAM
P:3510C	460-116960-G-1-A MS		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	460-116960-G-1-A MS		460-379378	460-379320	07/16/2016 03:58	1	TAL EDI	AAS
P:3546	460-116815-A-1-D MS		460-378969	460-378924	07/13/2016 18:09	1	TAL EDI	JMS
A:8081B	460-116815-A-1-D MS		460-378969	460-378924	07/14/2016 05:58	1	TAL EDI	SAK
P:3510C	460-116966-G-4-A MS		460-379549	460-379236	07/15/2016 07:45	1	TAL EDI	HAW
A:8081B	460-116966-G-4-A MS		460-379549	460-379236	07/18/2016 08:42	1	TAL EDI	SAK
P:3546	460-116794-B-1-E MS		460-378970	460-378922	07/13/2016 18:05	1	TAL EDI	JMS
A:8082A	460-116794-B-1-E MS		460-378970	460-378922	07/14/2016 05:45	1	TAL EDI	JHP
P:3010A	460-116763-A-6-D MS ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	460-116763-A-6-D MS ^2		460-379330	460-378992	07/15/2016 15:37	2	TAL EDI	PHP
P:3010A	460-116960-H-1-B MS ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	460-116960-H-1-B MS ^2		460-379330	460-379231	07/15/2016 17:58	2	TAL EDI	PHP
P:7470A	460-116860-A-3-C MS		460-378906	460-378838	07/13/2016 11:57	1	TAL EDI	RBS
A:7470A	460-116860-A-3-C MS		460-378906	460-378838	07/13/2016 14:17	1	TAL EDI	RBS
P:7470A	460-117036-B-1-E MS		460-379655	460-379600	07/18/2016 11:55	1	TAL EDI	RBS
A:7470A	460-117036-B-1-E MS		460-379655	460-379600	07/18/2016 13:39	1	TAL EDI	RBS
P:7471B	460-116768-A-1-C MS		460-378820	460-378753	07/13/2016 03:39	1	TAL EDI	TJS

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: MS

Client ID: N/A

Sample Date/Time: 07/08/2016 13:21      Received Date/Time: 07/11/2016 10:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7471B	460-116768-A-1-C MS		460-378820	460-378753	07/13/2016 07:46	1	TAL EDI	TJS
P:7471B	460-116816-A-14-C MS		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	460-116816-A-14-C MS		460-379043	460-378973	07/14/2016 09:13	1	TAL EDI	TJS
P:7471B	460-117049-D-1-C MS		460-379593	460-379530	07/18/2016 04:26	1	TAL EDI	TJS
A:7471B	460-117049-D-1-C MS		460-379593	460-379530	07/18/2016 08:31	1	TAL EDI	TJS
A:7196A	460-116851-B-1 MS		460-378812		07/13/2016 07:45	1	TAL EDI	PXP

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 07/06/2016 13:33      Received Date/Time: 07/07/2016 13:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-116581-A-13-A MSD		460-379053	460-377867	07/07/2016 17:59	100	TAL EDI	AVM
A:8260C	460-116581-A-13-A MSD		460-379053	460-377867	07/14/2016 16:15	100	TAL EDI	EMM
P:5035	460-116771-B-1-A MSD		460-379260	460-378456	07/11/2016 18:10	50	TAL EDI	AVM
A:8260C	460-116771-B-1-A MSD		460-379260	460-378456	07/15/2016 21:49	50	TAL EDI	EMM
P:5030C	460-116741-B-1 MSD		460-379422		07/16/2016 16:45	10	TAL EDI	AAT
A:8260C	460-116741-B-1 MSD		460-379422		07/16/2016 16:45	10	TAL EDI	AAT
P:5030C	460-117128-C-3 MSD		460-380463		07/22/2016 16:51	10	TAL EDI	MZS
A:8260C	460-117128-C-3 MSD		460-380463		07/22/2016 16:51	10	TAL EDI	MZS
P:3546	460-116902-D-4-D MSD		460-379174	460-379071	07/14/2016 12:44	1	TAL EDI	GRB
A:8270D	460-116902-D-4-D MSD		460-379174	460-379071	07/15/2016 03:30	1	TAL EDI	FAM
P:3510C	460-116960-D-1-A MSD		460-379378	460-379320	07/15/2016 15:05	1	TAL EDI	AFR
A:8270D	460-116960-D-1-A MSD		460-379378	460-379320	07/16/2016 04:20	1	TAL EDI	AAS
P:3546	460-116815-A-1-E MSD		460-378969	460-378924	07/13/2016 18:09	1	TAL EDI	JMS
A:8081B	460-116815-A-1-E MSD		460-378969	460-378924	07/14/2016 06:12	1	TAL EDI	SAK
P:3510C	460-116966-I-4-A MSD		460-379549	460-379236	07/15/2016 07:45	1	TAL EDI	HAW
A:8081B	460-116966-I-4-A MSD		460-379549	460-379236	07/18/2016 09:21	1	TAL EDI	SAK
P:3546	460-116794-B-1-F MSD		460-378970	460-378922	07/13/2016 18:05	1	TAL EDI	JMS
A:8082A	460-116794-B-1-F MSD		460-378970	460-378922	07/14/2016 06:00	1	TAL EDI	JHP

## Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

### Laboratory Chronicle

Lab ID: PDS

Client ID: N/A

Sample Date/Time: 07/07/2016 14:02    Received Date/Time: 07/08/2016 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-116763-A-6-B PDS ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	460-116763-A-6-B PDS ^2		460-379330	460-378992	07/15/2016 15:31	2	TAL EDI	PHP
P:3010A	460-116960-H-1-A PDS ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	460-116960-H-1-A PDS ^2		460-379330	460-379231	07/15/2016 17:53	2	TAL EDI	PHP
P:3060A	460-116627-A-1-K PDS		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
A:7196A	460-116627-A-1-K PDS		460-378837	460-378798	07/13/2016 10:10	1	TAL EDI	RAK

Lab ID: DU

Client ID: N/A

Sample Date/Time: 07/07/2016 14:02    Received Date/Time: 07/08/2016 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-116763-A-6-C DU ^2		460-379330	460-378992	07/14/2016 07:18	2	TAL EDI	QZY
A:6020A	460-116763-A-6-C DU ^2		460-379330	460-378992	07/15/2016 15:43	2	TAL EDI	PHP
P:3010A	460-116960-A-1-A DU ^2		460-379330	460-379231	07/15/2016 07:30	2	TAL EDI	QZY
A:6020A	460-116960-A-1-A DU ^2		460-379330	460-379231	07/15/2016 18:04	2	TAL EDI	PHP
P:7470A	460-116860-A-3-B DU		460-378906	460-378838	07/13/2016 11:57	1	TAL EDI	RBS
A:7470A	460-116860-A-3-B DU		460-378906	460-378838	07/13/2016 14:15	1	TAL EDI	RBS
P:7470A	460-117036-B-1-D DU		460-379655	460-379600	07/18/2016 11:55	1	TAL EDI	RBS
A:7470A	460-117036-B-1-D DU		460-379655	460-379600	07/18/2016 13:37	1	TAL EDI	RBS
P:7471B	460-116768-A-1-B DU		460-378820	460-378753	07/13/2016 03:39	1	TAL EDI	TJS
A:7471B	460-116768-A-1-B DU		460-378820	460-378753	07/13/2016 07:44	1	TAL EDI	TJS
P:7471B	460-116816-A-14-B DU		460-379043	460-378973	07/14/2016 04:38	1	TAL EDI	TJS
A:7471B	460-116816-A-14-B DU		460-379043	460-378973	07/14/2016 09:11	1	TAL EDI	TJS
P:7471B	460-117049-D-1-B DU		460-379593	460-379530	07/18/2016 04:26	1	TAL EDI	TJS
A:7471B	460-117049-D-1-B DU		460-379593	460-379530	07/18/2016 08:29	1	TAL EDI	TJS
A:7196A	460-116851-B-1 DU		460-378812		07/13/2016 07:45	1	TAL EDI	PXP
P:3060A	460-116627-A-1-L DU		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
A:7196A	460-116627-A-1-L DU		460-378837	460-378798	07/13/2016 09:40	1	TAL EDI	RAK
A:Moisture	460-116811-A-1 DU		460-378889		07/13/2016 16:01	1	TAL EDI	GTSV
A:Moisture	460-116894-A-7 DU		460-379327		07/15/2016 15:10	1	TAL EDI	GTSV
A:Moisture	460-116958-A-3 DU		460-379349		07/15/2016 16:00	1	TAL EDI	GTSV

# Quality Control Results

Client: AKRF Inc

Job Number: 460-116807-1

## Laboratory Chronicle

Lab ID: SD

Client ID: N/A

Sample Date/Time: 07/07/2016 14:02 Received Date/Time: 07/08/2016 19:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-116763-A-6-B SD ^10		460-379330	460-378992	07/14/2016 07:18	10	TAL EDI	QZY
A:6020A	460-116763-A-6-B SD ^10		460-379330	460-378992	07/15/2016 16:26	10	TAL EDI	PHP
P:3010A	460-116960-H-1-A SD ^10		460-379330	460-379231	07/15/2016 07:30	10	TAL EDI	QZY
A:6020A	460-116960-H-1-A SD ^10		460-379330	460-379231	07/15/2016 18:16	10	TAL EDI	PHP
P:7470A	460-116860-A-3-A SD ^5		460-378906	460-378838	07/13/2016 11:57	5	TAL EDI	RBS
A:7470A	460-116860-A-3-A SD ^5		460-378906	460-378838	07/13/2016 14:19	5	TAL EDI	RBS
P:7470A	460-117036-B-1-C SD ^5		460-379655	460-379600	07/18/2016 11:55	5	TAL EDI	RBS
A:7470A	460-117036-B-1-C SD ^5		460-379655	460-379600	07/18/2016 13:40	5	TAL EDI	RBS
P:7471B	460-116768-A-1-A SD ^5		460-378820	460-378753	07/13/2016 03:39	5	TAL EDI	TJS
A:7471B	460-116768-A-1-A SD ^5		460-378820	460-378753	07/13/2016 08:30	5	TAL EDI	TJS
P:7471B	460-116816-A-14-A SD ^5		460-379043	460-378973	07/14/2016 04:38	5	TAL EDI	TJS
A:7471B	460-116816-A-14-A SD ^5		460-379043	460-378973	07/14/2016 09:58	5	TAL EDI	TJS
P:7471B	460-117049-D-1-A SD ^5		460-379593	460-379530	07/18/2016 04:26	5	TAL EDI	TJS
A:7471B	460-117049-D-1-A SD ^5		460-379593	460-379530	07/18/2016 09:16	5	TAL EDI	TJS
P:3060A	460-116627-A-1-M MSS		460-378837	460-378798	07/13/2016 05:00	1	TAL EDI	IAA
P:3060A	460-116627-A-1-N MSI		460-378837	460-378798	07/13/2016 05:00	50	TAL EDI	IAA
P:3060A	LCSI 460-378798/3-A		460-378837	460-378798	07/13/2016 05:00	50	TAL EDI	IAA
A:7196A	460-116627-A-1-M MSS		460-378837	460-378798	07/13/2016 09:40	1	TAL EDI	RAK
A:7196A	460-116627-A-1-N MSI		460-378837	460-378798	07/13/2016 09:40	50	TAL EDI	RAK
A:7196A	LCSI 460-378798/3-A		460-378837	460-378798	07/13/2016 09:40	50	TAL EDI	RAK
P:3060A	LCSI 460-379011/3-A		460-379018	460-379011	07/14/2016 08:45	50	TAL EDI	MAL
A:7196A	LCSI 460-379011/3-A		460-379018	460-379011	07/14/2016 11:50	50	TAL EDI	MAL
P:3060A	LCSI 460-379419/3-A		460-379443	460-379419	07/15/2016 15:30	50	TAL EDI	MAL
A:7196A	LCSI 460-379419/3-A		460-379443	460-379419	07/15/2016 17:23	50	TAL EDI	MAL
P:3060A	LCSI 460-380031/3-A		460-380067	460-380031	07/20/2016 09:25	50	TAL EDI	MAL
A:7196A	LCSI 460-380031/3-A		460-380067	460-380031	07/20/2016 13:29	50	TAL EDI	MAL

### Lab References:

TAL EDI = TestAmerica Edison

# 8260C

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Volatile Organic Compounds by GC/MS

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
W108-SB-12 (0-2)	460-116807-1	101	103	100	99
W108-SB-5(0-2)	460-116858-1	94	98	96	95
W108-SB-5(8-10)	460-116858-2	91	96	92	91
W108-SB-X(3-4)	460-116858-7	96	131	103	92
W108-SB-3(0-2)	460-116858-9	90	101	103	101
W108-SB-4(0-2)	460-116858-10	98	103	99	99
W108-SB-1(0-2)	460-116858-12	100	106	102	100
W108-SB-1(5-7)	460-116858-13	92	100	103	124
W108-SB-7 (0-2)	460-116922-1	72	107	99	97
W108-SB-9 (0-2)	460-116922-2	112	108	102	104
W108-SB-8 (0-2)	460-116922-3	113	108	104	105
W108-SB-10 (0-2)	460-116922-4	110	107	100	103
W108-SB-6 (0-2)	460-116922-5	114	110	105	107
W108-SB-13(0-2)	460-116994-1	102	104	99	99
W108-SB-14(0-2)	460-116994-2	103	109	102	102
W108-SB-Y	460-116994-3	102	104	98	101
W108-SB-12C(0-2)	460-116994-4	91	95	102	104
W108-SB-12B(0-2)	460-116994-5	90	93	97	102
W108-SB-11(0-2)	460-116994-6	104	106	106	107
W108-SB-12B(2-4)	460-116994-7	102	105	108	104
W108-SB-15(0-2)	460-116994-8	108	109	108	107
	MB 460-378974/7	95	99	98	96
	MB 460-378976/7	106	103	103	103
	MB 460-379129/7	108	101	101	101
	MB 460-379152/7	95	99	97	95
	MB 460-379412/7	97	99	99	97
	MB 460-379471/7	102	104	102	101
	MB 460-379524/8	83	82	90	91
	LB3 460-378784/1-A	95	101	99	98
	LB3 460-378935/1-A	108	104	101	106
	LB3 460-379235/1-A	103	104	102	100
	LCS 460-378974/3	101	104	102	100
	LCS 460-378976/3	103	100	103	103

QC LIMITS

DBFM = Dibromofluoromethane (Surr)  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene

61-149  
78-135  
73-121  
67-126

# Column to be used to flag recovery values

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	LCS 460-379129/3	105	100	103	104
	LCS 460-379152/3	102	103	101	98
	LCS 460-379412/3	103	103	102	99
	LCS 460-379471/3	110	105	105	104
	LCS 460-379524/4	93	92	97	97
	LCSD 460-378976/4	103	102	102	103
	LCSD 460-379129/4	105	99	103	104
	LCSD 460-379152/4	108	109	105	104
	LCSD 460-379412/4	98	98	99	95
	LCSD 460-379524/5	89	87	93	93
W108-SB-3(0-2) MS	460-116858-9 MS	91	105	104	103
W108-SB-15(0-2) MS	460-116994-8 MS	104	106	103	102
W108-SB-3(0-2) MSD	460-116858-9 MSD	89	100	103	102
W108-SB-15(0-2) MSD	460-116994-8 MSD	110	110	107	106

DBFM = Dibromofluoromethane (Surr)  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene

QC LIMITS

61-149  
78-135  
73-121  
67-126

# Column to be used to flag recovery values

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
W108-SB-2-(0-2)	460-116858-6	94	113	101	96
W108-SB-2(3-4)	460-116858-8	96	118	99	98
W108-SB-4(5-7)	460-116858-11	93	111	102	95
	MB 460-379053/8	97	108	100	94
	MB 460-379154/7	101	106	99	100
	MB 460-379260/9	97	107	98	95
	LCS 460-379053/3	97	105	99	97
	LCS 460-379154/3	100	109	99	95
	LCS 460-379260/5	99	110	97	96
	LCSD 460-379154/4	100	111	100	102
	460-116581-A-13-A MS	94	105	94	97
	460-116771-B-1-A MS	100	120	106	100
	460-116581-A-13-A MSD	101	111	100	104
	460-116771-B-1-A MSD	100	116	95	96

DBFM = Dibromofluoromethane (Surr)  
DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene

QC LIMITS  
74-134  
69-145  
72-136  
64-131

# Column to be used to flag recovery values

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low  
 GC Column (1): Rtx-VMS ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB20160712	460-116858-4	103	112	103	92
FB20160712	460-116858-5	104	113	105	80
FB20160714	460-116994-10	100	110	101	87
TB20160714	460-117248-1	90	90	95	102
	MB 460-379337/7	104	111	103	93
	MB 460-379422/7	104	111	103	94
	MB 460-380463/7	89	91	94	101
	LCS 460-379337/3	114	124	116	110
	LCS 460-379422/3	104	112	103	96
	LCS 460-380463/3	87	87	92	99
	LCSD 460-379337/4	103	108	102	97
	460-116741-B-1 MS	104	110	100	95
	460-117128-C-3 MS	87	91	93	101
	460-116741-B-1 MSD	102	109	102	96
	460-117128-C-3 MSD	90	90	91	100

DBFM = Dibromofluoromethane (Surr)  
 DCA = 1,2-Dichloroethane-d4 (Surr)  
 TOL = Toluene-d8 (Surr)  
 BFB = 4-Bromofluorobenzene

QC LIMITS  
 72-136  
 70-137  
 74-120  
 70-131

# Column to be used to flag recovery values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23804.D

Lab ID: LCS 460-378974/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0181	91	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0163	81	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0174	87	78-132	
1,1,2-Trichloroethane	0.0200	0.0173	87	76-124	
1,1-Dichloroethane	0.0200	0.0192	96	80-124	
1,1-Dichloroethene	0.0200	0.0185	92	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0202	101	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0197	99	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0157	78	65-129	
1,2-Dichlorobenzene	0.0200	0.0184	92	80-121	
1,2-Dichloroethane	0.0200	0.0191	96	68-120	
1,2-Dichloropropane	0.0200	0.0181	90	77-124	
1,3-Dichlorobenzene	0.0200	0.0191	95	79-124	
1,4-Dichlorobenzene	0.0200	0.0189	94	79-121	
1,4-Dioxane	0.400	0.388	97	67-150	
2-Butanone (MEK)	0.100	0.0896	90	61-140	
2-Hexanone	0.100	0.0935	94	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0928	93	80-120	
Acetone	0.100	0.0904	90	75-120	
Benzene	0.0200	0.0185	92	75-127	
Bromodichloromethane	0.0200	0.0171	85	76-129	
Bromoform	0.0200	0.0165	82	19-150	
Bromomethane	0.0200	0.0246	123	59-136	
Carbon disulfide	0.0200	0.0162	81	74-130	
Carbon tetrachloride	0.0200	0.0187	93	77-138	
Chlorobenzene	0.0200	0.0191	96	80-120	
Chlorobromomethane	0.0200	0.0182	91	80-125	
Chloroethane	0.0200	0.0281	141	50-139	*
Chloroform	0.0200	0.0192	96	80-122	
Chloromethane	0.0200	0.0178	89	66-128	
cis-1,2-Dichloroethene	0.0200	0.0184	92	80-123	
cis-1,3-Dichloropropene	0.0200	0.0171	85	75-124	
Cyclohexane	0.0200	0.0173	87	67-135	
Dibromochloromethane	0.0200	0.0167	83	67-143	
Dichlorodifluoromethane	0.0200	0.0275	137	72-127	*
Ethylbenzene	0.0200	0.0187	93	79-124	
Ethylene Dibromide	0.0200	0.0173	86	80-122	
Isopropylbenzene	0.0200	0.0195	97	80-125	
m&p-Xylene	0.0200	0.0190	95	79-121	
Methyl acetate	0.100	0.0955	95	73-123	
Methyl tert-butyl ether	0.0200	0.0188	94	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23804.D

Lab ID: LCS 460-378974/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0191	95	71-137	
Methylene Chloride	0.0200	0.0178	89	79-128	
o-Xylene	0.0200	0.0188	94	79-123	
Styrene	0.0200	0.0183	91	78-123	
Tetrachloroethene	0.0200	0.0206	103	73-130	
Toluene	0.0200	0.0183	92	75-122	
trans-1,2-Dichloroethene	0.0200	0.0185	92	80-129	
trans-1,3-Dichloropropene	0.0200	0.0163	82	72-121	
Trichloroethene	0.0200	0.0185	93	79-122	
Trichlorofluoromethane	0.0200	0.0301	151	68-136	*
Vinyl chloride	0.0200	0.0200	100	70-134	
Xylenes, Total	0.0400	0.0377	94	79-122	

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: K55788.D

Lab ID: LCS 460-378976/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0191	95	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0183	91	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0209	105	78-132	
1,1,2-Trichloroethane	0.0200	0.0185	92	76-124	
1,1-Dichloroethane	0.0200	0.0188	94	80-124	
1,1-Dichloroethene	0.0200	0.0184	92	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0190	95	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0189	95	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0180	90	65-129	
1,2-Dichlorobenzene	0.0200	0.0188	94	80-121	
1,2-Dichloroethane	0.0200	0.0180	90	68-120	
1,2-Dichloropropane	0.0200	0.0184	92	77-124	
1,3-Dichlorobenzene	0.0200	0.0187	94	79-124	
1,4-Dichlorobenzene	0.0200	0.0184	92	79-121	
1,4-Dioxane	0.400	0.428	107	67-150	
2-Butanone (MEK)	0.100	0.0905	90	61-140	
2-Hexanone	0.100	0.0917	92	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0939	94	80-120	
Acetone	0.100	0.0851	85	75-120	
Benzene	0.0200	0.0192	96	75-127	
Bromodichloromethane	0.0200	0.0185	93	76-129	
Bromoform	0.0200	0.0178	89	19-150	
Bromomethane	0.0200	0.0227	114	59-136	
Carbon disulfide	0.0200	0.0178	89	74-130	
Carbon tetrachloride	0.0200	0.0192	96	77-138	
Chlorobenzene	0.0200	0.0188	94	80-120	
Chlorobromomethane	0.0200	0.0181	90	80-125	
Chloroethane	0.0200	0.0219	110	50-139	
Chloroform	0.0200	0.0187	94	80-122	
Chloromethane	0.0200	0.0229	115	66-128	
cis-1,2-Dichloroethene	0.0200	0.0187	93	80-123	
cis-1,3-Dichloropropene	0.0200	0.0184	92	75-124	
Cyclohexane	0.0200	0.0186	93	67-135	
Dibromochloromethane	0.0200	0.0184	92	67-143	
Dichlorodifluoromethane	0.0200	0.0240	120	72-127	
Ethylbenzene	0.0200	0.0186	93	79-124	
Ethylene Dibromide	0.0200	0.0184	92	80-122	
Isopropylbenzene	0.0200	0.0194	97	80-125	
m&p-Xylene	0.0200	0.0187	93	79-121	
Methyl acetate	0.100	0.0933	93	73-123	
Methyl tert-butyl ether	0.0200	0.0186	93	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: K55788.D

Lab ID: LCS 460-378976/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0205	102	71-137	
Methylene Chloride	0.0200	0.0172	86	79-128	
o-Xylene	0.0200	0.0191	96	79-123	
Styrene	0.0200	0.0192	96	78-123	
Tetrachloroethene	0.0200	0.0191	96	73-130	
Toluene	0.0200	0.0186	93	75-122	
trans-1,2-Dichloroethene	0.0200	0.0189	95	80-129	
trans-1,3-Dichloropropene	0.0200	0.0184	92	72-121	
Trichloroethene	0.0200	0.0189	94	79-122	
Trichlorofluoromethane	0.0200	0.0218	109	68-136	
Vinyl chloride	0.0200	0.0234	117	70-134	
Xylenes, Total	0.0400	0.0378	94	79-122	

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02797.D

Lab ID: LCS 460-379053/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.00	0.867	87	81-125	
1,1,2,2-Tetrachloroethane	1.00	0.865	87	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.869	87	69-135	
1,1,2-Trichloroethane	1.00	0.927	93	72-117	
1,1-Dichloroethane	1.00	0.871	87	78-123	
1,1-Dichloroethene	1.00	0.781	78	78-125	
1,2,3-Trichlorobenzene	1.00	0.932	93	35-143	
1,2,4-Trichlorobenzene	1.00	0.960	96	45-137	
1,2-Dibromo-3-Chloropropane	1.00	0.904	90	37-130	
1,2-Dichlorobenzene	1.00	0.892	89	80-120	
1,2-Dichloroethane	1.00	0.891	89	75-122	
1,2-Dichloropropane	1.00	0.874	87	76-124	
1,3-Dichlorobenzene	1.00	0.892	89	80-120	
1,4-Dichlorobenzene	1.00	0.850	85	80-120	
1,4-Dioxane	20.0	18.9	94	65-145	
2-Butanone (MEK)	5.00	4.20	84	40-150	
2-Hexanone	5.00	4.60	92	44-136	
4-Methyl-2-pentanone (MIBK)	5.00	4.58	92	62-124	
Acetone	5.00	4.19	84	10-150	
Benzene	1.00	0.873	87	77-121	
Bromodichloromethane	1.00	0.784	78	78-122	
Bromoform	1.00	0.574	57	68-124	*
Bromomethane	1.00	1.01	101	66-145	
Carbon disulfide	1.00	0.656	66	72-127	*
Carbon tetrachloride	1.00	0.757	76	77-136	*
Chlorobenzene	1.00	0.862	86	84-114	
Chlorobromomethane	1.00	0.891	89	82-124	
Chloroethane	1.00	1.02	102	68-144	
Chloroform	1.00	0.877	88	82-123	
Chloromethane	1.00	1.06	106	63-138	
cis-1,2-Dichloroethene	1.00	0.843	84	80-120	
cis-1,3-Dichloropropene	1.00	0.881	88	78-120	
Cyclohexane	1.00	0.903	90	64-128	
Dibromochloromethane	1.00	0.712	71	83-121	*
Dichlorodifluoromethane	1.00	1.00	100	51-145	
Ethylbenzene	1.00	0.846	85	80-120	
Ethylene Dibromide	1.00	0.779	78	76-117	
Isopropylbenzene	1.00	0.877	88	81-124	
m&p-Xylene	1.00	0.828	83	81-117	
Methyl acetate	5.00	4.77	95	58-140	
Methyl tert-butyl ether	1.00	0.863	86	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02797.D

Lab ID: LCS 460-379053/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	1.00	0.865	86	55-133	
Methylene Chloride	1.00	0.800	80	78-122	
o-Xylene	1.00	0.817	82	79-116	
Styrene	1.00	0.846	85	80-120	
Tetrachloroethene	1.00	0.844	84	71-133	
Toluene	1.00	0.914	91	80-120	
trans-1,2-Dichloroethene	1.00	0.829	83	79-123	
trans-1,3-Dichloropropene	1.00	0.889	89	74-121	
Trichloroethene	1.00	0.853	85	82-122	
Trichlorofluoromethane	1.00	1.06	106	72-140	
Vinyl chloride	1.00	1.02	102	69-139	
Xylenes, Total	2.00	1.64	82	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: K55814.D  
 Lab ID: LCS 460-379129/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0203	102	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0172	86	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0232	116	78-132	
1,1,2-Trichloroethane	0.0200	0.0183	91	76-124	
1,1-Dichloroethane	0.0200	0.0195	97	80-124	
1,1-Dichloroethene	0.0200	0.0199	99	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0191	96	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0190	95	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0162	81	65-129	
1,2-Dichlorobenzene	0.0200	0.0186	93	80-121	
1,2-Dichloroethane	0.0200	0.0181	90	68-120	
1,2-Dichloropropane	0.0200	0.0191	95	77-124	
1,3-Dichlorobenzene	0.0200	0.0191	96	79-124	
1,4-Dichlorobenzene	0.0200	0.0186	93	79-121	
1,4-Dioxane	0.400	0.410	103	67-150	
2-Butanone (MEK)	0.100	0.0900	90	61-140	
2-Hexanone	0.100	0.0944	94	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0930	93	80-120	
Acetone	0.100	0.0895	89	75-120	
Benzene	0.0200	0.0190	95	75-127	
Bromodichloromethane	0.0200	0.0189	95	76-129	
Bromoform	0.0200	0.0174	87	19-150	
Bromomethane	0.0200	0.0229	114	59-136	
Carbon disulfide	0.0200	0.0191	96	74-130	
Carbon tetrachloride	0.0200	0.0209	105	77-138	
Chlorobenzene	0.0200	0.0192	96	80-120	
Chlorobromomethane	0.0200	0.0189	94	80-125	
Chloroethane	0.0200	0.0222	111	50-139	
Chloroform	0.0200	0.0200	100	80-122	
Chloromethane	0.0200	0.0241	121	66-128	
cis-1,2-Dichloroethene	0.0200	0.0192	96	80-123	
cis-1,3-Dichloropropene	0.0200	0.0179	90	75-124	
Cyclohexane	0.0200	0.0201	100	67-135	
Dibromochloromethane	0.0200	0.0182	91	67-143	
Dichlorodifluoromethane	0.0200	0.0249	124	72-127	
Ethylbenzene	0.0200	0.0187	93	79-124	
Ethylene Dibromide	0.0200	0.0178	89	80-122	
Isopropylbenzene	0.0200	0.0195	97	80-125	
m&p-Xylene	0.0200	0.0186	93	79-121	
Methyl acetate	0.100	0.0852	85	73-123	
Methyl tert-butyl ether	0.0200	0.0184	92	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: K55814.D

Lab ID: LCS 460-379129/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0214	107	71-137	
Methylene Chloride	0.0200	0.0183	91	79-128	
o-Xylene	0.0200	0.0188	94	79-123	
Styrene	0.0200	0.0190	95	78-123	
Tetrachloroethene	0.0200	0.0197	98	73-130	
Toluene	0.0200	0.0186	93	75-122	
trans-1,2-Dichloroethene	0.0200	0.0197	98	80-129	
trans-1,3-Dichloropropene	0.0200	0.0177	88	72-121	
Trichloroethene	0.0200	0.0194	97	79-122	
Trichlorofluoromethane	0.0200	0.0242	121	68-136	
Vinyl chloride	0.0200	0.0244	122	70-134	
Xylenes, Total	0.0400	0.0374	94	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23834.D  
 Lab ID: LCS 460-379152/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0227	114	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0182	91	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0227	114	78-132	
1,1,2-Trichloroethane	0.0200	0.0200	100	76-124	
1,1-Dichloroethane	0.0200	0.0225	113	80-124	
1,1-Dichloroethene	0.0200	0.0233	116	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0232	116	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0227	113	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0186	93	65-129	
1,2-Dichlorobenzene	0.0200	0.0217	108	80-121	
1,2-Dichloroethane	0.0200	0.0226	113	68-120	
1,2-Dichloropropane	0.0200	0.0210	105	77-124	
1,3-Dichlorobenzene	0.0200	0.0218	109	79-124	
1,4-Dichlorobenzene	0.0200	0.0214	107	79-121	
1,4-Dioxane	0.400	0.434	109	67-150	
2-Butanone (MEK)	0.100	0.105	105	61-140	
2-Hexanone	0.100	0.109	109	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.110	110	80-120	
Acetone	0.100	0.0989	99	75-120	
Benzene	0.0200	0.0211	106	75-127	
Bromodichloromethane	0.0200	0.0203	101	76-129	
Bromoform	0.0200	0.0197	98	19-150	
Bromomethane	0.0200	0.0246	123	59-136	
Carbon disulfide	0.0200	0.0216	108	74-130	
Carbon tetrachloride	0.0200	0.0229	115	77-138	
Chlorobenzene	0.0200	0.0222	111	80-120	
Chlorobromomethane	0.0200	0.0221	111	80-125	
Chloroethane	0.0200	0.0257	129	50-139	
Chloroform	0.0200	0.0223	111	80-122	
Chloromethane	0.0200	0.0149	74	66-128	
cis-1,2-Dichloroethene	0.0200	0.0218	109	80-123	
cis-1,3-Dichloropropene	0.0200	0.0194	97	75-124	
Cyclohexane	0.0200	0.0210	105	67-135	
Dibromochloromethane	0.0200	0.0202	101	67-143	
Dichlorodifluoromethane	0.0200	0.0259	129	72-127	*
Ethylbenzene	0.0200	0.0221	111	79-124	
Ethylene Dibromide	0.0200	0.0198	99	80-122	
Isopropylbenzene	0.0200	0.0229	114	80-125	
m&p-Xylene	0.0200	0.0223	111	79-121	
Methyl acetate	0.100	0.104	104	73-123	
Methyl tert-butyl ether	0.0200	0.0219	110	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23834.D

Lab ID: LCS 460-379152/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0237	118	71-137	
Methylene Chloride	0.0200	0.0216	108	79-128	
o-Xylene	0.0200	0.0224	112	79-123	
Styrene	0.0200	0.0215	108	78-123	
Tetrachloroethene	0.0200	0.0247	124	73-130	
Toluene	0.0200	0.0214	107	75-122	
trans-1,2-Dichloroethene	0.0200	0.0227	114	80-129	
trans-1,3-Dichloropropene	0.0200	0.0187	94	72-121	
Trichloroethene	0.0200	0.0219	110	79-122	
Trichlorofluoromethane	0.0200	0.0273	137	68-136	*
Vinyl chloride	0.0200	0.0167	84	70-134	
Xylenes, Total	0.0400	0.0446	112	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02828.D

Lab ID: LCS 460-379154/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.00	0.955	96	81-125	
1,1,2,2-Tetrachloroethane	1.00	0.860	86	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.02	102	69-135	
1,1,2-Trichloroethane	1.00	0.906	91	72-117	
1,1-Dichloroethane	1.00	0.970	97	78-123	
1,1-Dichloroethene	1.00	0.908	91	78-125	
1,2,3-Trichlorobenzene	1.00	0.957	96	35-143	
1,2,4-Trichlorobenzene	1.00	0.943	94	45-137	
1,2-Dibromo-3-Chloropropane	1.00	0.786	79	37-130	
1,2-Dichlorobenzene	1.00	0.880	88	80-120	
1,2-Dichloroethane	1.00	1.02	102	75-122	
1,2-Dichloropropane	1.00	0.944	94	76-124	
1,3-Dichlorobenzene	1.00	0.917	92	80-120	
1,4-Dichlorobenzene	1.00	0.918	92	80-120	
1,4-Dioxane	20.0	19.7	99	65-145	
2-Butanone (MEK)	5.00	4.64	93	40-150	
2-Hexanone	5.00	4.82	96	44-136	
4-Methyl-2-pentanone (MIBK)	5.00	4.72	94	62-124	
Acetone	5.00	4.46	89	10-150	
Benzene	1.00	0.946	95	77-121	
Bromodichloromethane	1.00	0.824	82	78-122	
Bromoform	1.00	0.657	66	68-124	*
Bromomethane	1.00	0.950	95	66-145	
Carbon disulfide	1.00	0.800	80	72-127	
Carbon tetrachloride	1.00	0.831	83	77-136	
Chlorobenzene	1.00	0.936	94	84-114	
Chlorobromomethane	1.00	0.968	97	82-124	
Chloroethane	1.00	0.952	95	68-144	
Chloroform	1.00	0.996	100	82-123	
Chloromethane	1.00	0.945	95	63-138	
cis-1,2-Dichloroethene	1.00	0.952	95	80-120	
cis-1,3-Dichloropropene	1.00	0.939	94	78-120	
Cyclohexane	1.00	0.989	99	64-128	
Dibromochloromethane	1.00	0.786	79	83-121	*
Dichlorodifluoromethane	1.00	0.932	93	51-145	
Ethylbenzene	1.00	0.911	91	80-120	
Ethylene Dibromide	1.00	0.902	90	76-117	
Isopropylbenzene	1.00	0.935	94	81-124	
m&p-Xylene	1.00	0.914	91	81-117	
Methyl acetate	5.00	5.28	106	58-140	
Methyl tert-butyl ether	1.00	0.995	100	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02828.D

Lab ID: LCS 460-379154/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	1.00	0.960	96	55-133	
Methylene Chloride	1.00	0.903	90	78-122	
o-Xylene	1.00	0.914	91	79-116	
Styrene	1.00	0.884	88	80-120	
Tetrachloroethene	1.00	0.938	94	71-133	
Toluene	1.00	0.956	96	80-120	
trans-1,2-Dichloroethene	1.00	0.957	96	79-123	
trans-1,3-Dichloropropene	1.00	0.919	92	74-121	
Trichloroethene	1.00	0.916	92	82-122	
Trichlorofluoromethane	1.00	0.984	98	72-140	
Vinyl chloride	1.00	0.926	93	69-139	
Xylenes, Total	2.00	1.83	91	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02856.D

Lab ID: LCS 460-379260/5 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.00	0.852	85	81-125	
1,1,2,2-Tetrachloroethane	1.00	0.816	82	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.902	90	69-135	
1,1,2-Trichloroethane	1.00	0.891	89	72-117	
1,1-Dichloroethane	1.00	0.888	89	78-123	
1,1-Dichloroethene	1.00	0.782	78	78-125	
1,2,3-Trichlorobenzene	1.00	0.867	87	35-143	
1,2,4-Trichlorobenzene	1.00	0.773	77	45-137	
1,2-Dibromo-3-Chloropropane	1.00	0.779	78	37-130	
1,2-Dichlorobenzene	1.00	0.799	80	80-120	
1,2-Dichloroethane	1.00	0.906	91	75-122	
1,2-Dichloropropane	1.00	0.901	90	76-124	
1,3-Dichlorobenzene	1.00	0.762	76	80-120	*
1,4-Dichlorobenzene	1.00	0.793	79	80-120	*
1,4-Dioxane	20.0	13.3	66	65-145	
2-Butanone (MEK)	5.00	4.59	92	40-150	
2-Hexanone	5.00	4.55	91	44-136	
4-Methyl-2-pentanone (MIBK)	5.00	4.51	90	62-124	
Acetone	5.00	4.09	82	10-150	
Benzene	1.00	0.850	85	77-121	
Bromodichloromethane	1.00	0.776	78	78-122	
Bromoform	1.00	0.594	59	68-124	*
Bromomethane	1.00	1.02	102	66-145	
Carbon disulfide	1.00	0.648	65	72-127	*
Carbon tetrachloride	1.00	0.794	79	77-136	
Chlorobenzene	1.00	0.813	81	84-114	*
Chlorobromomethane	1.00	0.891	89	82-124	
Chloroethane	1.00	1.06	106	68-144	
Chloroform	1.00	0.912	91	82-123	
Chloromethane	1.00	1.09	109	63-138	
cis-1,2-Dichloroethene	1.00	0.868	87	80-120	
cis-1,3-Dichloropropene	1.00	0.851	85	78-120	
Cyclohexane	1.00	0.874	87	64-128	
Dibromochloromethane	1.00	0.694	69	83-121	*
Dichlorodifluoromethane	1.00	0.999	100	51-145	
Ethylbenzene	1.00	0.810	81	80-120	
Ethylene Dibromide	1.00	0.792	79	76-117	
Isopropylbenzene	1.00	0.808	81	81-124	
m&p-Xylene	1.00	0.843	84	81-117	
Methyl acetate	5.00	4.87	97	58-140	
Methyl tert-butyl ether	1.00	0.906	91	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Medium Lab File ID: B02856.D  
 Lab ID: LCS 460-379260/5 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	1.00	0.767	77	55-133	
Methylene Chloride	1.00	0.862	86	78-122	
o-Xylene	1.00	0.804	80	79-116	
Styrene	1.00	0.797	80	80-120	
Tetrachloroethene	1.00	0.791	79	71-133	
Toluene	1.00	0.849	85	80-120	
trans-1,2-Dichloroethene	1.00	0.856	86	79-123	
trans-1,3-Dichloropropene	1.00	0.787	79	74-121	
Trichloroethene	1.00	0.850	85	82-122	
Trichlorofluoromethane	1.00	0.979	98	72-140	
Vinyl chloride	1.00	0.998	100	69-139	
Xylenes, Total	2.00	1.65	82	80-120	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: E57310.D

Lab ID: LCS 460-379337/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.5	117	76-131	
1,1,2,2-Tetrachloroethane	20.0	22.1	110	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.8	104	53-149	
1,1,2-Trichloroethane	20.0	23.3	117	77-122	
1,1-Dichloroethane	20.0	24.3	121	77-129	
1,1-Dichloroethene	20.0	22.0	110	67-133	
1,2,3-Trichlorobenzene	20.0	21.3	107	64-142	
1,2,4-Trichlorobenzene	20.0	22.2	111	66-137	
1,2-Dibromo-3-Chloropropane	20.0	19.3	96	55-133	
1,2-Dichlorobenzene	20.0	22.5	112	80-121	
1,2-Dichloroethane	20.0	24.5	123	73-131	
1,2-Dichloropropane	20.0	24.1	121	75-129	
1,3-Dichlorobenzene	20.0	22.1	110	80-120	
1,4-Dichlorobenzene	20.0	22.0	110	79-120	
1,4-Dioxane	400	458	114	65-150	
2-Butanone (MEK)	100	99.7	100	56-150	
2-Hexanone	100	108	108	64-150	
4-Methyl-2-pentanone (MIBK)	100	115	115	77-130	
Acetone	100	87.4	87	19-150	
Benzene	20.0	23.6	118	76-125	
Bromodichloromethane	20.0	22.7	113	78-127	
Bromoform	20.0	17.4	87	65-124	
Bromomethane	20.0	24.7	123	10-150	
Carbon disulfide	20.0	22.3	111	69-131	
Carbon tetrachloride	20.0	23.1	116	71-138	
Chlorobenzene	20.0	22.2	111	80-120	
Chlorobromomethane	20.0	21.3	107	71-137	
Chloroethane	20.0	31.1	156	40-150	*
Chloroform	20.0	23.8	119	81-127	
Chloromethane	20.0	23.1	116	45-150	
cis-1,2-Dichloroethene	20.0	22.3	112	82-127	
cis-1,3-Dichloropropene	20.0	21.8	109	72-125	
Cyclohexane	20.0	26.7	134	51-147	
Dibromochloromethane	20.0	20.9	104	78-120	
Dichlorodifluoromethane	20.0	21.8	109	32-150	
Ethylbenzene	20.0	22.0	110	80-120	
Ethylene Dibromide	20.0	21.3	107	80-120	
Isopropylbenzene	20.0	22.7	114	80-127	
m&p-Xylene	20.0	21.5	108	80-121	
Methyl acetate	100	111	111	63-150	
Methyl tert-butyl ether	20.0	22.5	113	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: E57310.D

Lab ID: LCS 460-379337/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	20.8	104	52-142	
Methylene Chloride	20.0	23.4	117	80-126	
o-Xylene	20.0	21.2	106	80-120	
Styrene	20.0	21.3	106	75-124	
Tetrachloroethene	20.0	21.2	106	71-132	
Toluene	20.0	22.8	114	80-120	
trans-1,2-Dichloroethene	20.0	21.8	109	78-127	
trans-1,3-Dichloropropene	20.0	22.1	111	69-125	
Trichloroethene	20.0	22.4	112	77-127	
Trichlorofluoromethane	20.0	29.3	146	50-150	
Vinyl chloride	20.0	22.8	114	53-142	
Xylenes, Total	40.0	42.7	107	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23899.D

Lab ID: LCS 460-379412/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0199	99	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0151	76	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0197	99	78-132	
1,1,2-Trichloroethane	0.0200	0.0160	80	76-124	
1,1-Dichloroethane	0.0200	0.0189	95	80-124	
1,1-Dichloroethene	0.0200	0.0183	91	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0195	97	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0194	97	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0146	73	65-129	
1,2-Dichlorobenzene	0.0200	0.0184	92	80-121	
1,2-Dichloroethane	0.0200	0.0188	94	68-120	
1,2-Dichloropropane	0.0200	0.0173	86	77-124	
1,3-Dichlorobenzene	0.0200	0.0186	93	79-124	
1,4-Dichlorobenzene	0.0200	0.0183	92	79-121	
1,4-Dioxane	0.400	0.371	93	67-150	
2-Butanone (MEK)	0.100	0.0902	90	61-140	
2-Hexanone	0.100	0.0916	92	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0930	93	80-120	
Acetone	0.100	0.0941	94	75-120	
Benzene	0.0200	0.0173	86	75-127	
Bromodichloromethane	0.0200	0.0167	84	76-129	
Bromoform	0.0200	0.0159	79	19-150	
Bromomethane	0.0200	0.0238	119	59-136	
Carbon disulfide	0.0200	0.0163	82	74-130	
Carbon tetrachloride	0.0200	0.0200	100	77-138	
Chlorobenzene	0.0200	0.0187	94	80-120	
Chlorobromomethane	0.0200	0.0188	94	80-125	
Chloroethane	0.0200	0.0249	124	50-139	
Chloroform	0.0200	0.0194	97	80-122	
Chloromethane	0.0200	0.0155	77	66-128	
cis-1,2-Dichloroethene	0.0200	0.0183	92	80-123	
cis-1,3-Dichloropropene	0.0200	0.0157	79	75-124	
Cyclohexane	0.0200	0.0172	86	67-135	
Dibromochloromethane	0.0200	0.0164	82	67-143	
Dichlorodifluoromethane	0.0200	0.0248	124	72-127	
Ethylbenzene	0.0200	0.0188	94	79-124	
Ethylene Dibromide	0.0200	0.0163	81	80-122	
Isopropylbenzene	0.0200	0.0197	98	80-125	
m&p-Xylene	0.0200	0.0190	95	79-121	
Methyl acetate	0.100	0.0840	84	73-123	
Methyl tert-butyl ether	0.0200	0.0185	93	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23899.D  
 Lab ID: LCS 460-379412/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0199	100	71-137	
Methylene Chloride	0.0200	0.0196	98	79-128	
o-Xylene	0.0200	0.0188	94	79-123	
Styrene	0.0200	0.0181	91	78-123	
Tetrachloroethene	0.0200	0.0210	105	73-130	
Toluene	0.0200	0.0181	90	75-122	
trans-1,2-Dichloroethene	0.0200	0.0192	96	80-129	
trans-1,3-Dichloropropene	0.0200	0.0150	75	72-121	
Trichloroethene	0.0200	0.0187	94	79-122	
Trichlorofluoromethane	0.0200	0.0270	135	68-136	
Vinyl chloride	0.0200	0.0176	88	70-134	
Xylenes, Total	0.0400	0.0378	95	79-122	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: E57329.D

Lab ID: LCS 460-379422/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	22.1	110	76-131	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5	97	53-149	
1,1,2-Trichloroethane	20.0	20.3	101	77-122	
1,1-Dichloroethane	20.0	23.1	116	77-129	
1,1-Dichloroethene	20.0	20.8	104	67-133	
1,2,3-Trichlorobenzene	20.0	19.2	96	64-142	
1,2,4-Trichlorobenzene	20.0	19.5	98	66-137	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	55-133	
1,2-Dichlorobenzene	20.0	20.3	102	80-121	
1,2-Dichloroethane	20.0	22.3	111	73-131	
1,2-Dichloropropane	20.0	23.0	115	75-129	
1,3-Dichlorobenzene	20.0	20.1	101	80-120	
1,4-Dichlorobenzene	20.0	20.1	100	79-120	
1,4-Dioxane	400	399	100	65-150	
2-Butanone (MEK)	100	89.8	90	56-150	
2-Hexanone	100	95.5	96	64-150	
4-Methyl-2-pentanone (MIBK)	100	101	101	77-130	
Acetone	100	87.3	87	19-150	
Benzene	20.0	21.7	108	76-125	
Bromodichloromethane	20.0	21.3	107	78-127	
Bromoform	20.0	15.2	76	65-124	
Bromomethane	20.0	24.8	124	10-150	
Carbon disulfide	20.0	20.9	105	69-131	
Carbon tetrachloride	20.0	21.6	108	71-138	
Chlorobenzene	20.0	20.3	101	80-120	
Chlorobromomethane	20.0	19.3	97	71-137	
Chloroethane	20.0	35.9	179	40-150	*
Chloroform	20.0	22.1	111	81-127	
Chloromethane	20.0	22.8	114	45-150	
cis-1,2-Dichloroethene	20.0	20.6	103	82-127	
cis-1,3-Dichloropropene	20.0	20.3	101	72-125	
Cyclohexane	20.0	25.5	128	51-147	
Dibromochloromethane	20.0	18.6	93	78-120	
Dichlorodifluoromethane	20.0	21.3	106	32-150	
Ethylbenzene	20.0	20.8	104	80-120	
Ethylene Dibromide	20.0	18.7	94	80-120	
Isopropylbenzene	20.0	20.7	104	80-127	
m&p-Xylene	20.0	19.7	98	80-121	
Methyl acetate	100	102	102	63-150	
Methyl tert-butyl ether	20.0	20.2	101	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: E57329.D  
 Lab ID: LCS 460-379422/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	20.0	100	52-142	
Methylene Chloride	20.0	21.3	107	80-126	
o-Xylene	20.0	19.6	98	80-120	
Styrene	20.0	19.7	98	75-124	
Tetrachloroethene	20.0	19.8	99	71-132	
Toluene	20.0	21.1	106	80-120	
trans-1,2-Dichloroethene	20.0	20.5	103	78-127	
trans-1,3-Dichloropropene	20.0	20.4	102	69-125	
Trichloroethene	20.0	21.2	106	77-127	
Trichlorofluoromethane	20.0	28.8	144	50-150	
Vinyl chloride	20.0	22.7	114	53-142	
Xylenes, Total	40.0	39.3	98	80-120	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23927.D

Lab ID: LCS 460-379471/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0204	102	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0154	77	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0197	99	78-132	
1,1,2-Trichloroethane	0.0200	0.0169	84	76-124	
1,1-Dichloroethane	0.0200	0.0196	98	80-124	
1,1-Dichloroethene	0.0200	0.0197	99	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0207	103	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0206	103	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0155	77	65-129	
1,2-Dichlorobenzene	0.0200	0.0195	97	80-121	
1,2-Dichloroethane	0.0200	0.0196	98	68-120	
1,2-Dichloropropane	0.0200	0.0186	93	77-124	
1,3-Dichlorobenzene	0.0200	0.0195	98	79-124	
1,4-Dichlorobenzene	0.0200	0.0191	95	79-121	
1,4-Dioxane	0.400	0.376	94	67-150	
2-Butanone (MEK)	0.100	0.102	102	61-140	
2-Hexanone	0.100	0.101	101	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.101	101	80-120	
Acetone	0.100	0.101	101	75-120	
Benzene	0.0200	0.0182	91	75-127	
Bromodichloromethane	0.0200	0.0178	89	76-129	
Bromoform	0.0200	0.0177	89	19-150	
Bromomethane	0.0200	0.0249	124	59-136	
Carbon disulfide	0.0200	0.0171	86	74-130	
Carbon tetrachloride	0.0200	0.0211	106	77-138	
Chlorobenzene	0.0200	0.0200	100	80-120	
Chlorobromomethane	0.0200	0.0206	103	80-125	
Chloroethane	0.0200	0.0247	124	50-139	
Chloroform	0.0200	0.0205	102	80-122	
Chloromethane	0.0200	0.0150	75	66-128	
cis-1,2-Dichloroethene	0.0200	0.0201	100	80-123	
cis-1,3-Dichloropropene	0.0200	0.0166	83	75-124	
Cyclohexane	0.0200	0.0179	89	67-135	
Dibromochloromethane	0.0200	0.0175	87	67-143	
Dichlorodifluoromethane	0.0200	0.0237	118	72-127	
Ethylbenzene	0.0200	0.0201	100	79-124	
Ethylene Dibromide	0.0200	0.0173	87	80-122	
Isopropylbenzene	0.0200	0.0207	103	80-125	
m&p-Xylene	0.0200	0.0200	100	79-121	
Methyl acetate	0.100	0.0857	86	73-123	
Methyl tert-butyl ether	0.0200	0.0178	89	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23927.D

Lab ID: LCS 460-379471/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0209	104	71-137	
Methylene Chloride	0.0200	0.0201	100	79-128	
o-Xylene	0.0200	0.0201	100	79-123	
Styrene	0.0200	0.0194	97	78-123	
Tetrachloroethene	0.0200	0.0222	111	73-130	
Toluene	0.0200	0.0187	93	75-122	
trans-1,2-Dichloroethene	0.0200	0.0206	103	80-129	
trans-1,3-Dichloropropene	0.0200	0.0157	79	72-121	
Trichloroethene	0.0200	0.0198	99	79-122	
Trichlorofluoromethane	0.0200	0.0270	135	68-136	
Vinyl chloride	0.0200	0.0175	88	70-134	
Xylenes, Total	0.0400	0.0400	100	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23958.D

Lab ID: LCS 460-379524/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0200	0.0196	98	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0179	89	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0197	99	78-132	
1,1,2-Trichloroethane	0.0200	0.0190	95	76-124	
1,1-Dichloroethane	0.0200	0.0199	100	80-124	
1,1-Dichloroethene	0.0200	0.0192	96	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0227	114	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0226	113	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0183	92	65-129	
1,2-Dichlorobenzene	0.0200	0.0212	106	80-121	
1,2-Dichloroethane	0.0200	0.0201	101	68-120	
1,2-Dichloropropane	0.0200	0.0191	96	77-124	
1,3-Dichlorobenzene	0.0200	0.0214	107	79-124	
1,4-Dichlorobenzene	0.0200	0.0210	105	79-121	
1,4-Dioxane	0.400	0.449	112	67-150	
2-Butanone (MEK)	0.100	0.104	104	61-140	
2-Hexanone	0.100	0.109	109	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.108	108	80-120	
Acetone	0.100	0.103	103	75-120	
Benzene	0.0200	0.0193	97	75-127	
Bromodichloromethane	0.0200	0.0184	92	76-129	
Bromoform	0.0200	0.0203	102	19-150	
Bromomethane	0.0200	0.0175	87	59-136	
Carbon disulfide	0.0200	0.0190	95	74-130	
Carbon tetrachloride	0.0200	0.0209	104	77-138	
Chlorobenzene	0.0200	0.0217	109	80-120	
Chlorobromomethane	0.0200	0.0208	104	80-125	
Chloroethane	0.0200	0.0178	89	50-139	
Chloroform	0.0200	0.0204	102	80-122	
Chloromethane	0.0200	0.0105	53	66-128	*
cis-1,2-Dichloroethene	0.0200	0.0196	98	80-123	
cis-1,3-Dichloropropene	0.0200	0.0185	93	75-124	
Cyclohexane	0.0200	0.0187	93	67-135	
Dibromochloromethane	0.0200	0.0195	97	67-143	
Dichlorodifluoromethane	0.0200	0.0188	94	72-127	
Ethylbenzene	0.0200	0.0213	107	79-124	
Ethylene Dibromide	0.0200	0.0193	96	80-122	
Isopropylbenzene	0.0200	0.0222	111	80-125	
m&p-Xylene	0.0200	0.0216	108	79-121	
Methyl acetate	0.100	0.0920	92	73-123	
Methyl tert-butyl ether	0.0200	0.0200	100	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23958.D

Lab ID: LCS 460-379524/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0200	0.0213	106	71-137	
Methylene Chloride	0.0200	0.0202	101	79-128	
o-Xylene	0.0200	0.0217	109	79-123	
Styrene	0.0200	0.0215	107	78-123	
Tetrachloroethene	0.0200	0.0240	120	73-130	
Toluene	0.0200	0.0204	102	75-122	
trans-1,2-Dichloroethene	0.0200	0.0207	104	80-129	
trans-1,3-Dichloropropene	0.0200	0.0180	90	72-121	
Trichloroethene	0.0200	0.0197	98	79-122	
Trichlorofluoromethane	0.0200	0.0199	100	68-136	
Vinyl chloride	0.0200	0.0124	62	70-134	*
Xylenes, Total	0.0400	0.0433	108	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: J43611.D  
 Lab ID: LCS 460-380463/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	17.5	87	76-131	
1,1,2,2-Tetrachloroethane	20.0	15.4	77	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.8	99	53-149	
1,1,2-Trichloroethane	20.0	17.0	85	77-122	
1,1-Dichloroethane	20.0	19.1	95	77-129	
1,1-Dichloroethene	20.0	18.2	91	67-133	
1,2,3-Trichlorobenzene	20.0	18.1	90	64-142	
1,2,4-Trichlorobenzene	20.0	19.8	99	66-137	
1,2-Dibromo-3-Chloropropane	20.0	15.1	76	55-133	
1,2-Dichlorobenzene	20.0	19.1	96	80-121	
1,2-Dichloroethane	20.0	17.3	86	73-131	
1,2-Dichloropropane	20.0	22.6	113	75-129	
1,3-Dichlorobenzene	20.0	19.5	98	80-120	
1,4-Dichlorobenzene	20.0	18.5	93	79-120	
1,4-Dioxane	400	565	141	65-150	
2-Butanone (MEK)	100	84.1	84	56-150	
2-Hexanone	100	101	101	64-150	
4-Methyl-2-pentanone (MIBK)	100	101	101	77-130	
Acetone	100	85.9	86	19-150	
Benzene	20.0	18.6	93	76-125	
Bromodichloromethane	20.0	18.4	92	78-127	
Bromoform	20.0	16.6	83	65-124	
Bromomethane	20.0	14.6	73	10-150	
Carbon disulfide	20.0	19.7	99	69-131	
Carbon tetrachloride	20.0	18.8	94	71-138	
Chlorobenzene	20.0	18.3	92	80-120	
Chlorobromomethane	20.0	16.7	84	71-137	
Chloroethane	20.0	15.1	75	40-150	
Chloroform	20.0	17.6	88	81-127	
Chloromethane	20.0	20.2	101	45-150	
cis-1,2-Dichloroethene	20.0	17.5	87	82-127	
cis-1,3-Dichloropropene	20.0	18.9	95	72-125	
Cyclohexane	20.0	23.8	119	51-147	
Dibromochloromethane	20.0	17.7	88	78-120	
Dichlorodifluoromethane	20.0	17.8	89	32-150	
Ethylbenzene	20.0	18.6	93	80-120	
Ethylene Dibromide	20.0	16.3	82	80-120	
Isopropylbenzene	20.0	23.3	116	80-127	
m&p-Xylene	20.0	20.0	100	80-121	
Methyl acetate	100	78.0	78	63-150	
Methyl tert-butyl ether	20.0	16.9	85	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: J43611.D

Lab ID: LCS 460-380463/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	22.9	114	52-142	
Methylene Chloride	20.0	17.8	89	80-126	
o-Xylene	20.0	20.2	101	80-120	
Styrene	20.0	20.5	103	75-124	
Tetrachloroethene	20.0	17.1	86	71-132	
Toluene	20.0	18.3	91	80-120	
trans-1,2-Dichloroethene	20.0	18.6	93	78-127	
trans-1,3-Dichloropropene	20.0	18.5	92	69-125	
Trichloroethene	20.0	17.5	88	77-127	
Trichlorofluoromethane	20.0	13.3	66	50-150	
Vinyl chloride	20.0	15.9	80	53-142	
Xylenes, Total	40.0	40.2	100	80-120	

# Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: K55789.D

Lab ID: LCSD 460-378976/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0200	0.0184	92	3	30	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0181	90	1	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0207	103	1	30	78-132	
1,1,2-Trichloroethane	0.0200	0.0182	91	1	30	76-124	
1,1-Dichloroethane	0.0200	0.0186	93	1	30	80-124	
1,1-Dichloroethene	0.0200	0.0184	92	0	30	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0191	96	0	30	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0192	96	2	30	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0178	89	1	30	65-129	
1,2-Dichlorobenzene	0.0200	0.0186	93	1	30	80-121	
1,2-Dichloroethane	0.0200	0.0179	90	0	30	68-120	
1,2-Dichloropropane	0.0200	0.0184	92	0	30	77-124	
1,3-Dichlorobenzene	0.0200	0.0186	93	1	30	79-124	
1,4-Dichlorobenzene	0.0200	0.0185	92	0	30	79-121	
1,4-Dioxane	0.400	0.419	105	2	30	67-150	
2-Butanone (MEK)	0.100	0.0889	89	2	30	61-140	
2-Hexanone	0.100	0.0892	89	3	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0911	91	3	30	80-120	
Acetone	0.100	0.0798	80	6	30	75-120	
Benzene	0.0200	0.0187	93	3	30	75-127	
Bromodichloromethane	0.0200	0.0184	92	1	30	76-129	
Bromoform	0.0200	0.0176	88	1	30	19-150	
Bromomethane	0.0200	0.0230	115	1	30	59-136	
Carbon disulfide	0.0200	0.0176	88	1	30	74-130	
Carbon tetrachloride	0.0200	0.0192	96	0	30	77-138	
Chlorobenzene	0.0200	0.0186	93	1	30	80-120	
Chlorobromomethane	0.0200	0.0180	90	0	30	80-125	
Chloroethane	0.0200	0.0227	113	3	30	50-139	
Chloroform	0.0200	0.0189	94	1	30	80-122	
Chloromethane	0.0200	0.0230	115	0	30	66-128	
cis-1,2-Dichloroethene	0.0200	0.0186	93	1	30	80-123	
cis-1,3-Dichloropropene	0.0200	0.0183	92	1	30	75-124	
Cyclohexane	0.0200	0.0186	93	0	30	67-135	
Dibromochloromethane	0.0200	0.0183	91	1	30	67-143	
Dichlorodifluoromethane	0.0200	0.0238	119	1	30	72-127	
Ethylbenzene	0.0200	0.0186	93	0	30	79-124	
Ethylene Dibromide	0.0200	0.0179	90	2	30	80-122	
Isopropylbenzene	0.0200	0.0194	97	0	30	80-125	
m&p-Xylene	0.0200	0.0185	92	1	30	79-121	
Methyl acetate	0.100	0.0913	91	2	30	73-123	
Methyl tert-butyl ether	0.0200	0.0185	93	0	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: K55789.D  
 Lab ID: LCS D 460-378976/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS D CONCENTRATION (mg/Kg)	LCS D % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0200	0.0201	100	2	30	71-137	
Methylene Chloride	0.0200	0.0175	88	2	30	79-128	
o-Xylene	0.0200	0.0191	95	0	30	79-123	
Styrene	0.0200	0.0188	94	2	30	78-123	
Tetrachloroethene	0.0200	0.0185	92	3	30	73-130	
Toluene	0.0200	0.0182	91	3	30	75-122	
trans-1,2-Dichloroethene	0.0200	0.0191	95	1	30	80-129	
trans-1,3-Dichloropropene	0.0200	0.0177	89	4	30	72-121	
Trichloroethene	0.0200	0.0190	95	0	30	79-122	
Trichlorofluoromethane	0.0200	0.0227	114	4	30	68-136	
Vinyl chloride	0.0200	0.0231	116	1	30	70-134	
Xylenes, Total	0.0400	0.0375	94	1	30	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: K55815.D

Lab ID: LCSD 460-379129/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0200	0.0211	105	3	30	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0178	89	3	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0239	120	3	30	78-132	
1,1,2-Trichloroethane	0.0200	0.0186	93	2	30	76-124	
1,1-Dichloroethane	0.0200	0.0207	103	6	30	80-124	
1,1-Dichloroethene	0.0200	0.0207	103	4	30	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0199	100	4	30	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0196	98	3	30	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0174	87	7	30	65-129	
1,2-Dichlorobenzene	0.0200	0.0194	97	4	30	80-121	
1,2-Dichloroethane	0.0200	0.0187	93	3	30	68-120	
1,2-Dichloropropane	0.0200	0.0192	96	0	30	77-124	
1,3-Dichlorobenzene	0.0200	0.0199	100	4	30	79-124	
1,4-Dichlorobenzene	0.0200	0.0192	96	3	30	79-121	
1,4-Dioxane	0.400	0.426	106	4	30	67-150	
2-Butanone (MEK)	0.100	0.0925	93	3	30	61-140	
2-Hexanone	0.100	0.0931	93	1	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0954	95	2	30	80-120	
Acetone	0.100	0.0878	88	2	30	75-120	
Benzene	0.0200	0.0199	100	5	30	75-127	
Bromodichloromethane	0.0200	0.0191	96	1	30	76-129	
Bromoform	0.0200	0.0179	90	3	30	19-150	
Bromomethane	0.0200	0.0237	118	3	30	59-136	
Carbon disulfide	0.0200	0.0199	99	4	30	74-130	
Carbon tetrachloride	0.0200	0.0210	105	0	30	77-138	
Chlorobenzene	0.0200	0.0193	96	1	30	80-120	
Chlorobromomethane	0.0200	0.0193	97	2	30	80-125	
Chloroethane	0.0200	0.0233	116	5	30	50-139	
Chloroform	0.0200	0.0207	104	4	30	80-122	
Chloromethane	0.0200	0.0251	126	4	30	66-128	
cis-1,2-Dichloroethene	0.0200	0.0205	103	6	30	80-123	
cis-1,3-Dichloropropene	0.0200	0.0185	92	3	30	75-124	
Cyclohexane	0.0200	0.0207	103	3	30	67-135	
Dibromochloromethane	0.0200	0.0185	93	2	30	67-143	
Dichlorodifluoromethane	0.0200	0.0254	127	2	30	72-127	
Ethylbenzene	0.0200	0.0195	97	4	30	79-124	
Ethylene Dibromide	0.0200	0.0185	93	4	30	80-122	
Isopropylbenzene	0.0200	0.0204	102	4	30	80-125	
m&p-Xylene	0.0200	0.0190	95	2	30	79-121	
Methyl acetate	0.100	0.0890	89	4	30	73-123	
Methyl tert-butyl ether	0.0200	0.0190	95	3	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: K55815.D  
 Lab ID: LCS D 460-379129/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS D CONCENTRATION (mg/Kg)	LCS D % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0200	0.0224	112	4	30	71-137	
Methylene Chloride	0.0200	0.0192	96	5	30	79-128	
o-Xylene	0.0200	0.0192	96	2	30	79-123	
Styrene	0.0200	0.0196	98	3	30	78-123	
Tetrachloroethene	0.0200	0.0197	99	0	30	73-130	
Toluene	0.0200	0.0187	94	1	30	75-122	
trans-1,2-Dichloroethene	0.0200	0.0206	103	5	30	80-129	
trans-1,3-Dichloropropene	0.0200	0.0179	90	1	30	72-121	
Trichloroethene	0.0200	0.0197	98	1	30	79-122	
Trichlorofluoromethane	0.0200	0.0245	123	1	30	68-136	
Vinyl chloride	0.0200	0.0249	125	2	30	70-134	
Xylenes, Total	0.0400	0.0382	95	2	30	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23835.D

Lab ID: LCSD 460-379152/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0200	0.0223	112	2	30	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0187	94	3	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0223	112	2	30	78-132	
1,1,2-Trichloroethane	0.0200	0.0201	100	0	30	76-124	
1,1-Dichloroethane	0.0200	0.0223	111	1	30	80-124	
1,1-Dichloroethene	0.0200	0.0220	110	5	30	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0236	118	2	30	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0233	116	3	30	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0192	96	3	30	65-129	
1,2-Dichlorobenzene	0.0200	0.0218	109	0	30	80-121	
1,2-Dichloroethane	0.0200	0.0228	114	1	30	68-120	
1,2-Dichloropropane	0.0200	0.0208	104	1	30	77-124	
1,3-Dichlorobenzene	0.0200	0.0219	110	0	30	79-124	
1,4-Dichlorobenzene	0.0200	0.0214	107	0	30	79-121	
1,4-Dioxane	0.400	0.452	113	4	30	67-150	
2-Butanone (MEK)	0.100	0.109	109	3	30	61-140	
2-Hexanone	0.100	0.109	109	1	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.112	112	1	30	80-120	
Acetone	0.100	0.102	102	3	30	75-120	
Benzene	0.0200	0.0212	106	0	30	75-127	
Bromodichloromethane	0.0200	0.0204	102	1	30	76-129	
Bromoform	0.0200	0.0204	102	4	30	19-150	
Bromomethane	0.0200	0.0241	121	2	30	59-136	
Carbon disulfide	0.0200	0.0212	106	2	30	74-130	
Carbon tetrachloride	0.0200	0.0228	114	1	30	77-138	
Chlorobenzene	0.0200	0.0222	111	0	30	80-120	
Chlorobromomethane	0.0200	0.0227	114	3	30	80-125	
Chloroethane	0.0200	0.0256	128	0	30	50-139	
Chloroform	0.0200	0.0227	113	2	30	80-122	
Chloromethane	0.0200	0.0147	74	1	30	66-128	
cis-1,2-Dichloroethene	0.0200	0.0223	111	2	30	80-123	
cis-1,3-Dichloropropene	0.0200	0.0198	99	2	30	75-124	
Cyclohexane	0.0200	0.0199	100	5	30	67-135	
Dibromochloromethane	0.0200	0.0202	101	0	30	67-143	
Dichlorodifluoromethane	0.0200	0.0244	122	6	30	72-127	
Ethylbenzene	0.0200	0.0220	110	1	30	79-124	
Ethylene Dibromide	0.0200	0.0200	100	1	30	80-122	
Isopropylbenzene	0.0200	0.0229	115	0	30	80-125	
m&p-Xylene	0.0200	0.0218	109	2	30	79-121	
Methyl acetate	0.100	0.108	108	4	30	73-123	
Methyl tert-butyl ether	0.0200	0.0224	112	2	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23835.D  
 Lab ID: LCS D 460-379152/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS D CONCENTRATION (mg/Kg)	LCS D % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0200	0.0229	115	3	30	71-137	
Methylene Chloride	0.0200	0.0221	110	2	30	79-128	
o-Xylene	0.0200	0.0221	111	1	30	79-123	
Styrene	0.0200	0.0214	107	1	30	78-123	
Tetrachloroethene	0.0200	0.0247	124	0	30	73-130	
Toluene	0.0200	0.0210	105	2	30	75-122	
trans-1,2-Dichloroethene	0.0200	0.0227	114	0	30	80-129	
trans-1,3-Dichloropropene	0.0200	0.0187	94	0	30	72-121	
Trichloroethene	0.0200	0.0219	110	0	30	79-122	
Trichlorofluoromethane	0.0200	0.0269	135	2	30	68-136	
Vinyl chloride	0.0200	0.0169	85	1	30	70-134	
Xylenes, Total	0.0400	0.0440	110	2	30	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

Lab File ID: B02829.D

Lab ID: LCSD 460-379154/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	1.00	0.971	97	2	30	81-125	
1,1,2,2-Tetrachloroethane	1.00	0.865	87	1	30	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.10	110	8	30	69-135	
1,1,2-Trichloroethane	1.00	0.971	97	7	30	72-117	
1,1-Dichloroethane	1.00	1.03	103	6	30	78-123	
1,1-Dichloroethene	1.00	0.940	94	3	30	78-125	
1,2,3-Trichlorobenzene	1.00	1.01	101	5	30	35-143	
1,2,4-Trichlorobenzene	1.00	0.918	92	3	30	45-137	
1,2-Dibromo-3-Chloropropane	1.00	0.837	84	6	30	37-130	
1,2-Dichlorobenzene	1.00	0.917	92	4	30	80-120	
1,2-Dichloroethane	1.00	1.04	104	2	30	75-122	
1,2-Dichloropropane	1.00	1.00	100	6	30	76-124	
1,3-Dichlorobenzene	1.00	0.950	95	4	30	80-120	
1,4-Dichlorobenzene	1.00	0.912	91	1	30	80-120	
1,4-Dioxane	20.0	17.8	89	10	30	65-145	
2-Butanone (MEK)	5.00	4.80	96	3	30	40-150	
2-Hexanone	5.00	4.93	99	2	30	44-136	
4-Methyl-2-pentanone (MIBK)	5.00	4.82	96	2	30	62-124	
Acetone	5.00	4.58	92	3	30	10-150	
Benzene	1.00	0.954	95	1	30	77-121	
Bromodichloromethane	1.00	0.898	90	9	30	78-122	
Bromoform	1.00	0.669	67	2	30	68-124	*
Bromomethane	1.00	0.916	92	4	30	66-145	
Carbon disulfide	1.00	0.842	84	5	30	72-127	
Carbon tetrachloride	1.00	0.897	90	8	30	77-136	
Chlorobenzene	1.00	0.949	95	1	30	84-114	
Chlorobromomethane	1.00	1.01	101	4	30	82-124	
Chloroethane	1.00	1.05	105	10	30	68-144	
Chloroform	1.00	1.01	101	1	30	82-123	
Chloromethane	1.00	1.05	105	10	30	63-138	
cis-1,2-Dichloroethene	1.00	0.995	100	4	30	80-120	
cis-1,3-Dichloropropene	1.00	0.959	96	2	30	78-120	
Cyclohexane	1.00	1.09	109	9	30	64-128	
Dibromochloromethane	1.00	0.808	81	3	30	83-121	*
Dichlorodifluoromethane	1.00	1.01	101	8	30	51-145	
Ethylbenzene	1.00	0.934	93	3	30	80-120	
Ethylene Dibromide	1.00	0.927	93	3	30	76-117	
Isopropylbenzene	1.00	0.939	94	0	30	81-124	
m&p-Xylene	1.00	0.915	91	0	30	81-117	
Methyl acetate	5.00	5.30	106	0	30	58-140	
Methyl tert-butyl ether	1.00	1.05	105	5	30	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Medium Lab File ID: B02829.D  
 Lab ID: LCSD 460-379154/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	1.00	0.960	96	0	30	55-133	
Methylene Chloride	1.00	0.971	97	7	30	78-122	
o-Xylene	1.00	0.925	92	1	30	79-116	
Styrene	1.00	0.964	96	9	30	80-120	
Tetrachloroethene	1.00	0.908	91	3	30	71-133	
Toluene	1.00	1.01	101	5	30	80-120	
trans-1,2-Dichloroethene	1.00	0.948	95	1	30	79-123	
trans-1,3-Dichloropropene	1.00	0.891	89	3	30	74-121	
Trichloroethene	1.00	1.02	102	11	30	82-122	
Trichlorofluoromethane	1.00	1.02	102	4	30	72-140	
Vinyl chloride	1.00	0.988	99	7	30	69-139	
Xylenes, Total	2.00	1.84	92	1	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: E57311.D

Lab ID: LCSD 460-379337/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	20.0	20.6	103	13	30	76-131	
1,1,2,2-Tetrachloroethane	20.0	19.1	95	15	30	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.2	91	13	30	53-149	
1,1,2-Trichloroethane	20.0	20.0	100	16	30	77-122	
1,1-Dichloroethane	20.0	21.8	109	11	30	77-129	
1,1-Dichloroethene	20.0	19.6	98	11	30	67-133	
1,2,3-Trichlorobenzene	20.0	19.1	95	11	30	64-142	
1,2,4-Trichlorobenzene	20.0	18.9	94	16	30	66-137	
1,2-Dibromo-3-Chloropropane	20.0	16.1	81	18	30	55-133	
1,2-Dichlorobenzene	20.0	19.5	98	14	30	80-121	
1,2-Dichloroethane	20.0	21.2	106	14	30	73-131	
1,2-Dichloropropane	20.0	21.4	107	12	30	75-129	
1,3-Dichlorobenzene	20.0	19.4	97	13	30	80-120	
1,4-Dichlorobenzene	20.0	19.5	97	12	30	79-120	
1,4-Dioxane	400	402	101	13	30	65-150	
2-Butanone (MEK)	100	89.6	90	11	30	56-150	
2-Hexanone	100	98.4	98	9	30	64-150	
4-Methyl-2-pentanone (MIBK)	100	101	101	13	30	77-130	
Acetone	100	87.6	88	0	30	19-150	
Benzene	20.0	20.7	103	13	30	76-125	
Bromodichloromethane	20.0	19.8	99	13	30	78-127	
Bromoform	20.0	15.2	76	14	30	65-124	
Bromomethane	20.0	22.5	113	9	30	10-150	
Carbon disulfide	20.0	19.6	98	13	30	69-131	
Carbon tetrachloride	20.0	19.9	100	15	30	71-138	
Chlorobenzene	20.0	19.4	97	14	30	80-120	
Chlorobromomethane	20.0	18.4	92	15	30	71-137	
Chloroethane	20.0	32.2	161	3	30	40-150	*
Chloroform	20.0	20.7	103	14	30	81-127	
Chloromethane	20.0	21.1	106	9	30	45-150	
cis-1,2-Dichloroethene	20.0	19.6	98	13	30	82-127	
cis-1,3-Dichloropropene	20.0	19.4	97	12	30	72-125	
Cyclohexane	20.0	23.4	117	13	30	51-147	
Dibromochloromethane	20.0	18.2	91	14	30	78-120	
Dichlorodifluoromethane	20.0	20.1	101	8	30	32-150	
Ethylbenzene	20.0	19.7	98	11	30	80-120	
Ethylene Dibromide	20.0	18.8	94	13	30	80-120	
Isopropylbenzene	20.0	20.1	101	12	30	80-127	
m&p-Xylene	20.0	19.1	95	12	30	80-121	
Methyl acetate	100	96.6	97	14	30	63-150	
Methyl tert-butyl ether	20.0	19.6	98	14	30	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: E57311.D  
 Lab ID: LCSD 460-379337/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	20.0	18.5	92	12	30	52-142	
Methylene Chloride	20.0	20.6	103	13	30	80-126	
o-Xylene	20.0	18.7	94	12	30	80-120	
Styrene	20.0	18.7	93	13	30	75-124	
Tetrachloroethene	20.0	19.1	96	11	30	71-132	
Toluene	20.0	20.3	102	11	30	80-120	
trans-1,2-Dichloroethene	20.0	19.0	95	14	30	78-127	
trans-1,3-Dichloropropene	20.0	19.4	97	13	30	69-125	
Trichloroethene	20.0	20.3	102	10	30	77-127	
Trichlorofluoromethane	20.0	26.6	133	10	30	50-150	
Vinyl chloride	20.0	21.2	106	7	30	53-142	
Xylenes, Total	40.0	37.8	94	12	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23900.D

Lab ID: LCSD 460-379412/4

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0200	0.0210	105	5	30	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0153	77	2	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0199	99	1	30	78-132	
1,1,2-Trichloroethane	0.0200	0.0169	85	5	30	76-124	
1,1-Dichloroethane	0.0200	0.0197	99	4	30	80-124	
1,1-Dichloroethene	0.0200	0.0200	100	9	30	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0203	102	4	30	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0205	102	6	30	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0152	76	4	30	65-129	
1,2-Dichlorobenzene	0.0200	0.0191	95	4	30	80-121	
1,2-Dichloroethane	0.0200	0.0198	99	5	30	68-120	
1,2-Dichloropropane	0.0200	0.0185	93	7	30	77-124	
1,3-Dichlorobenzene	0.0200	0.0197	98	6	30	79-124	
1,4-Dichlorobenzene	0.0200	0.0190	95	4	30	79-121	
1,4-Dioxane	0.400	0.395	99	6	30	67-150	
2-Butanone (MEK)	0.100	0.0980	98	8	30	61-140	
2-Hexanone	0.100	0.0979	98	7	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.0985	98	6	30	80-120	
Acetone	0.100	0.101	101	7	30	75-120	
Benzene	0.0200	0.0185	92	7	30	75-127	
Bromodichloromethane	0.0200	0.0178	89	6	30	76-129	
Bromoform	0.0200	0.0174	87	9	30	19-150	
Bromomethane	0.0200	0.0244	122	3	30	59-136	
Carbon disulfide	0.0200	0.0175	87	7	30	74-130	
Carbon tetrachloride	0.0200	0.0211	105	5	30	77-138	
Chlorobenzene	0.0200	0.0201	100	7	30	80-120	
Chlorobromomethane	0.0200	0.0201	101	7	30	80-125	
Chloroethane	0.0200	0.0258	129	3	30	50-139	
Chloroform	0.0200	0.0204	102	5	30	80-122	
Chloromethane	0.0200	0.0157	79	2	30	66-128	
cis-1,2-Dichloroethene	0.0200	0.0198	99	8	30	80-123	
cis-1,3-Dichloropropene	0.0200	0.0168	84	7	30	75-124	
Cyclohexane	0.0200	0.0183	92	6	30	67-135	
Dibromochloromethane	0.0200	0.0174	87	6	30	67-143	
Dichlorodifluoromethane	0.0200	0.0255	128	3	30	72-127	*
Ethylbenzene	0.0200	0.0202	101	7	30	79-124	
Ethylene Dibromide	0.0200	0.0169	85	4	30	80-122	
Isopropylbenzene	0.0200	0.0211	105	7	30	80-125	
m&p-Xylene	0.0200	0.0205	102	7	30	79-121	
Methyl acetate	0.100	0.0871	87	4	30	73-123	
Methyl tert-butyl ether	0.0200	0.0196	98	6	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23900.D  
 Lab ID: LCS D 460-379412/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS D CONCENTRATION (mg/Kg)	LCS D % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0200	0.0215	107	8	30	71-137	
Methylene Chloride	0.0200	0.0206	103	5	30	79-128	
o-Xylene	0.0200	0.0200	100	6	30	79-123	
Styrene	0.0200	0.0191	96	6	30	78-123	
Tetrachloroethene	0.0200	0.0228	114	8	30	73-130	
Toluene	0.0200	0.0190	95	5	30	75-122	
trans-1,2-Dichloroethene	0.0200	0.0207	103	8	30	80-129	
trans-1,3-Dichloropropene	0.0200	0.0158	79	5	30	72-121	
Trichloroethene	0.0200	0.0198	99	5	30	79-122	
Trichlorofluoromethane	0.0200	0.0288	144	6	30	68-136	*
Vinyl chloride	0.0200	0.0182	91	4	30	70-134	
Xylenes, Total	0.0400	0.0404	101	7	30	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23959.D

Lab ID: LCSD 460-379524/5

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0200	0.0199	99	1	30	80-125	
1,1,2,2-Tetrachloroethane	0.0200	0.0169	84	6	30	72-131	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0176	88	11	30	78-132	
1,1,2-Trichloroethane	0.0200	0.0180	90	5	30	76-124	
1,1-Dichloroethane	0.0200	0.0197	99	1	30	80-124	
1,1-Dichloroethene	0.0200	0.0197	98	2	30	79-132	
1,2,3-Trichlorobenzene	0.0200	0.0218	109	4	30	75-123	
1,2,4-Trichlorobenzene	0.0200	0.0220	110	2	30	74-124	
1,2-Dibromo-3-Chloropropane	0.0200	0.0170	85	7	30	65-129	
1,2-Dichlorobenzene	0.0200	0.0207	103	3	30	80-121	
1,2-Dichloroethane	0.0200	0.0191	96	5	30	68-120	
1,2-Dichloropropane	0.0200	0.0184	92	4	30	77-124	
1,3-Dichlorobenzene	0.0200	0.0210	105	2	30	79-124	
1,4-Dichlorobenzene	0.0200	0.0206	103	2	30	79-121	
1,4-Dioxane	0.400	0.433	108	4	30	67-150	
2-Butanone (MEK)	0.100	0.100	100	4	30	61-140	
2-Hexanone	0.100	0.101	101	7	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.100	0.104	104	4	30	80-120	
Acetone	0.100	0.0970	97	6	30	75-120	
Benzene	0.0200	0.0192	96	1	30	75-127	
Bromodichloromethane	0.0200	0.0180	90	2	30	76-129	
Bromoform	0.0200	0.0181	91	11	30	19-150	
Bromomethane	0.0200	0.0176	88	0	30	59-136	
Carbon disulfide	0.0200	0.0192	96	1	30	74-130	
Carbon tetrachloride	0.0200	0.0210	105	1	30	77-138	
Chlorobenzene	0.0200	0.0212	106	3	30	80-120	
Chlorobromomethane	0.0200	0.0198	99	5	30	80-125	
Chloroethane	0.0200	0.0179	89	1	30	50-139	
Chloroform	0.0200	0.0198	99	3	30	80-122	
Chloromethane	0.0200	0.0108	54	2	30	66-128	*
cis-1,2-Dichloroethene	0.0200	0.0197	99	1	30	80-123	
cis-1,3-Dichloropropene	0.0200	0.0179	90	3	30	75-124	
Cyclohexane	0.0200	0.0188	94	1	30	67-135	
Dibromochloromethane	0.0200	0.0184	92	6	30	67-143	
Dichlorodifluoromethane	0.0200	0.0187	93	1	30	72-127	
Ethylbenzene	0.0200	0.0213	107	0	30	79-124	
Ethylene Dibromide	0.0200	0.0183	91	5	30	80-122	
Isopropylbenzene	0.0200	0.0220	110	1	30	80-125	
m&p-Xylene	0.0200	0.0211	106	2	30	79-121	
Methyl acetate	0.100	0.0856	86	7	30	73-123	
Methyl tert-butyl ether	0.0200	0.0185	93	7	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23959.D  
 Lab ID: LCS D 460-379524/5 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS D CONCENTRATION (mg/Kg)	LCS D % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0200	0.0214	107	0	30	71-137	
Methylene Chloride	0.0200	0.0195	98	4	30	79-128	
o-Xylene	0.0200	0.0213	106	2	30	79-123	
Styrene	0.0200	0.0207	104	4	30	78-123	
Tetrachloroethene	0.0200	0.0235	118	2	30	73-130	
Toluene	0.0200	0.0199	100	3	30	75-122	
trans-1,2-Dichloroethene	0.0200	0.0208	104	0	30	80-129	
trans-1,3-Dichloropropene	0.0200	0.0169	85	6	30	72-121	
Trichloroethene	0.0200	0.0193	97	2	30	79-122	
Trichlorofluoromethane	0.0200	0.0199	99	0	30	68-136	
Vinyl chloride	0.0200	0.0126	63	1	30	70-134	*
Xylenes, Total	0.0400	0.0424	106	2	30	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23821.D

Lab ID: 460-116858-9 MS

Client ID: W108-SB-3(0-2) MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0258	0.00080 U	0.0222	86	80-125	
1,1,2,2-Tetrachloroethane	0.0258	0.00036 U	0.00022 U	0	72-131	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0258	0.00093 U	0.0205	79	78-132	
1,1,2-Trichloroethane	0.0258	0.00059 U	0.0181	70	76-124	F1
1,1-Dichloroethane	0.0258	0.00072 U	0.0227	88	80-124	
1,1-Dichloroethene	0.0258	0.00087 U	0.0226	88	79-132	
1,2,3-Trichlorobenzene	0.0258	0.00023 U	0.0144	56	75-123	F1
1,2,4-Trichlorobenzene	0.0258	0.00068 U	0.0129	50	74-124	F1
1,2-Dibromo-3-Chloropropane	0.0258	0.0010 U	0.0146	57	65-129	F1
1,2-Dichlorobenzene	0.0258	0.00030 U	0.0166	64	80-121	F1
1,2-Dichloroethane	0.0258	0.00023 U	0.0218	85	68-120	
1,2-Dichloropropane	0.0258	0.00036 U	0.0212	82	77-124	
1,3-Dichlorobenzene	0.0258	0.00025 U	0.0148	57	79-124	F1
1,4-Dichlorobenzene	0.0258	0.00028 U	0.0136	53	79-121	F1
1,4-Dioxane	0.515	0.014 U	0.550	107	67-150	
2-Butanone (MEK)	0.129	0.0016 U	0.118	92	61-140	
2-Hexanone	0.129	0.0020 U	0.120	94	78-120	
4-Methyl-2-pentanone (MIBK)	0.129	0.0047 U	0.123	95	80-120	
Acetone	0.129	0.014	0.130	90	75-120	
Benzene	0.0258	0.00042 U	0.0206	80	75-127	
Bromodichloromethane	0.0258	0.00080 U	0.0184	71	76-129	F1
Bromoform	0.0258	0.00028 U	0.0185	72	19-150	
Bromomethane	0.0258	0.00068 U	0.0257	100	59-136	
Carbon disulfide	0.0258	0.00091 U	0.0152	59	74-130	F1
Carbon tetrachloride	0.0258	0.00091 U	0.0212	82	77-138	
Chlorobenzene	0.0258	0.00030 U	0.0182	71	80-120	F1
Chlorobromomethane	0.0258	0.00036 U	0.0214	83	80-125	
Chloroethane	0.0258	0.00074 U	0.0268	104	50-139	
Chloroform	0.0258	0.00044 U	0.0230	89	80-122	
Chloromethane	0.0258	0.00080 U	0.0163	63	66-128	F1
cis-1,2-Dichloroethene	0.0258	0.00047 U	0.0204	79	80-123	F1
cis-1,3-Dichloropropene	0.0258	0.00032 U	0.0158	62	75-124	F1
Cyclohexane	0.0258	0.00097 U	0.0176	68	67-135	
Dibromochloromethane	0.0258	0.00032 U	0.0181	70	67-143	
Dichlorodifluoromethane	0.0258	0.00068 U	0.0233	90	72-127	
Ethylbenzene	0.0258	0.00038 U	0.0191	74	79-124	F1
Ethylene Dibromide	0.0258	0.00025 U	0.0172	67	80-122	F1
Isopropylbenzene	0.0258	0.00036 U	0.0194	75	80-125	F1
m&p-Xylene	0.0258	0.00023 U	0.0188	73	79-121	F1
Methyl acetate	0.129	0.0019 U	0.00175 J	1	73-123	F1
Methyl tert-butyl ether	0.0258	0.00036 U	0.0237	92	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23821.D  
 Lab ID: 460-116858-9 MS Client ID: W108-SB-3(0-2) MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0258	0.0011 U	0.0177	69	71-137	F1
Methylene Chloride	0.0258	0.00068 U	0.0215	84	79-128	
o-Xylene	0.0258	0.00034 U	0.0197	77	79-123	F1
Styrene	0.0258	0.00032 U	0.0167	65	78-123	F1
Tetrachloroethene	0.0258	0.00059 U	0.0204	79	73-130	
Toluene	0.0258	0.0023	0.0243	85	75-122	
trans-1,2-Dichloroethene	0.0258	0.00083 U	0.0196	76	80-129	F1
trans-1,3-Dichloropropene	0.0258	0.00021 U	0.0141	55	72-121	F1
Trichloroethene	0.0258	0.00055 U	0.0339	132	79-122	F1
Trichlorofluoromethane	0.0258	0.00072 U	0.0279	108	68-136	
Vinyl chloride	0.0258	0.00083 U	0.0175	68	70-134	F1
Xylenes, Total	0.0515	0.00023 U	0.0386	75	79-122	F1

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23941.D

Lab ID: 460-116994-8 MS

Client ID: W108-SB-15(0-2) MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	0.0276	0.00045 U	0.0261	95	80-125	
1,1,2,2-Tetrachloroethane	0.0276	0.00020 U	0.00149	5	72-131	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0276	0.00053 U	0.0224	81	78-132	
1,1,2-Trichloroethane	0.0276	0.00033 U	0.0223	81	76-124	
1,1-Dichloroethane	0.0276	0.00041 U	0.0256	93	80-124	
1,1-Dichloroethene	0.0276	0.00049 U	0.0234	85	79-132	
1,2,3-Trichlorobenzene	0.0276	0.00013 U	0.0170	62	75-123	F1
1,2,4-Trichlorobenzene	0.0276	0.00038 U	0.0152	55	74-124	F1
1,2-Dibromo-3-Chloropropane	0.0276	0.00056 U	0.0202	73	65-129	
1,2-Dichlorobenzene	0.0276	0.00017 U	0.0197	71	80-121	F1
1,2-Dichloroethane	0.0276	0.00013 U	0.0257	93	68-120	
1,2-Dichloropropane	0.0276	0.00020 U	0.0249	90	77-124	
1,3-Dichlorobenzene	0.0276	0.00014 U	0.0184	67	79-124	F1
1,4-Dichlorobenzene	0.0276	0.00016 U	0.0175	63	79-121	F1
1,4-Dioxane	0.552	0.0076 U	0.536	97	67-150	
2-Butanone (MEK)	0.138	0.00092 U	0.141	102	61-140	
2-Hexanone	0.138	0.0011 U	0.138	100	78-120	
4-Methyl-2-pentanone (MIBK)	0.138	0.0027 U	0.141	102	80-120	
Acetone	0.138	0.0088	0.161	110	75-120	
Benzene	0.0276	0.00024 U	0.0234	85	75-127	
Bromodichloromethane	0.0276	0.00045 U	0.0228	83	76-129	
Bromoform	0.0276	0.00016 U	0.0228	82	19-150	
Bromomethane	0.0276	0.00038 U	0.0279	101	59-136	
Carbon disulfide	0.0276	0.0012	0.0215	74	74-130	
Carbon tetrachloride	0.0276	0.00051 U	0.0250	91	77-138	
Chlorobenzene	0.0276	0.00017 U	0.0230	83	80-120	
Chlorobromomethane	0.0276	0.00020 U	0.0261	94	80-125	
Chloroethane	0.0276	0.00042 U	0.0291	105	50-139	
Chloroform	0.0276	0.00025 U	0.0269	97	80-122	
Chloromethane	0.0276	0.00045 U	0.0188	68	66-128	
cis-1,2-Dichloroethene	0.0276	0.00026 U	0.0243	88	80-123	
cis-1,3-Dichloropropene	0.0276	0.00018 U	0.0185	67	75-124	F1
Cyclohexane	0.0276	0.00055 U	0.0202	73	67-135	
Dibromochloromethane	0.0276	0.00018 U	0.0219	79	67-143	
Dichlorodifluoromethane	0.0276	0.00038 U	0.0267	97	72-127	*
Ethylbenzene	0.0276	0.00022 U	0.0231	84	79-124	
Ethylene Dibromide	0.0276	0.00014 U	0.0217	79	80-122	F1
Isopropylbenzene	0.0276	0.00020 U	0.0233	84	80-125	
m&p-Xylene	0.0276	0.00013 U	0.0234	85	79-121	
Methyl acetate	0.138	0.0011 U	0.0646	47	73-123	F1
Methyl tert-butyl ether	0.0276	0.00020 U	0.0266	96	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23941.D  
 Lab ID: 460-116994-8 MS Client ID: W108-SB-15(0-2) MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	0.0276	0.00060 U	0.0194	70	71-137	F1
Methylene Chloride	0.0276	0.0012	0.0270	94	79-128	
o-Xylene	0.0276	0.00019 U	0.0248	90	79-123	
Styrene	0.0276	0.00018 U	0.0217	79	78-123	
Tetrachloroethene	0.0276	0.00033 U	0.0242	87	73-130	
Toluene	0.0276	0.00054 J	0.0235	83	75-122	
trans-1,2-Dichloroethene	0.0276	0.00047 U	0.0233	84	80-129	
trans-1,3-Dichloropropene	0.0276	0.00012 U	0.0175	63	72-121	F1
Trichloroethene	0.0276	0.00031 U	0.0409	148	79-122	F1
Trichlorofluoromethane	0.0276	0.00041 U	0.0301	109	68-136	*
Vinyl chloride	0.0276	0.00047 U	0.0194	70	70-134	
Xylenes, Total	0.0552	0.00013 U	0.0482	87	79-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

Lab File ID: B02805.D

Lab ID: 460-116581-A-13-A MS

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.41	0.034 U	2.15	89	81-125	
1,1,2,2-Tetrachloroethane	2.41	0.023 U	2.15	89	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.41	0.041 U	2.37	99	69-135	
1,1,2-Trichloroethane	2.41	0.0096 U	2.28	95	72-117	
1,1-Dichloroethane	2.41	0.029 U	2.17	90	78-123	
1,1-Dichloroethene	2.41	0.041 U	2.06	86	78-125	
1,2,3-Trichlorobenzene	2.41	0.042 U	2.21	92	35-143	
1,2,4-Trichlorobenzene	2.41	0.033 U	1.97	82	45-137	
1,2-Dibromo-3-Chloropropane	2.41	0.028 U	2.00	83	37-130	
1,2-Dichlorobenzene	2.41	0.026 U	2.16	90	80-120	
1,2-Dichloroethane	2.41	0.030 U	2.34	97	75-122	
1,2-Dichloropropane	2.41	0.022 U	2.23	93	76-124	
1,3-Dichlorobenzene	2.41	0.040 U	2.17	90	80-120	
1,4-Dichlorobenzene	2.41	0.040 U	2.07	86	80-120	
1,4-Dioxane	48.2	1.0 U	52.2	108	65-145	
2-Butanone (MEK)	12.0	0.26 U	11.7	97	40-150	
2-Hexanone	12.0	0.087 U	11.8	98	44-136	
4-Methyl-2-pentanone (MIBK)	12.0	0.076 U	12.0	99	62-124	
Acetone	12.0	0.13 U	11.0	92	10-150	
Benzene	2.41	0.023 U	2.16	90	77-121	
Bromodichloromethane	2.41	0.018 U	1.67	69	78-122	F1
Bromoform	2.41	0.022 U	1.39	58	68-124	F1
Bromomethane	2.41	0.022 U	2.35	98	66-145	
Carbon disulfide	2.41	0.026 U	1.65	68	72-127	F1
Carbon tetrachloride	2.41	0.040 U	2.00	83	77-136	
Chlorobenzene	2.41	0.029 U	2.19	91	84-114	
Chlorobromomethane	2.41	0.036 U	2.30	96	82-124	
Chloroethane	2.41	0.045 U	2.17	90	68-144	
Chloroform	2.41	0.026 U	2.31	96	82-123	
Chloromethane	2.41	0.026 U	1.92	80	63-138	
cis-1,2-Dichloroethene	2.41	0.036 U	2.21	90	80-120	
cis-1,3-Dichloropropene	2.41	0.019 U	2.06	86	78-120	
Cyclohexane	2.41	0.031 U	2.27	94	64-128	
Dibromochloromethane	2.41	0.026 U	1.75	73	83-121	F1
Dichlorodifluoromethane	2.41	0.017 U	1.63	68	51-145	
Ethylbenzene	2.41	0.036 U	2.17	90	80-120	
Ethylene Dibromide	2.41	0.023 U	2.06	85	76-117	
Isopropylbenzene	2.41	0.039 U	2.17	90	81-124	
m&p-Xylene	2.41	0.034 U	2.30	95	81-117	
Methyl acetate	12.0	0.070 U	12.5	104	58-140	
Methyl tert-butyl ether	2.41	0.016 U	2.29	95	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Medium Lab File ID: B02805.D  
 Lab ID: 460-116581-A-13-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	2.41	0.026 U	2.29	95	55-133	
Methylene Chloride	2.41	0.025 U	2.05	85	78-122	
o-Xylene	2.41	0.039 U	2.10	87	79-116	
Styrene	2.41	0.020 U	2.13	88	80-120	
Tetrachloroethene	2.41	0.043 U	2.21	92	71-133	
Toluene	2.41	0.030 U	2.35	97	80-120	
trans-1,2-Dichloroethene	2.41	0.022 U	2.31	96	79-123	
trans-1,3-Dichloropropene	2.41	0.023 U	1.94	81	74-121	
Trichloroethene	2.41	0.49	2.64	89	82-122	
Trichlorofluoromethane	2.41	0.018 U	1.93	80	72-140	
Vinyl chloride	2.41	0.024 U	2.10	87	69-139	
Xylenes, Total	4.82	0.034 U	4.40	91	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

Lab File ID: B02874.D

Lab ID: 460-116771-B-1-A MS

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.93	0.041 U	2.34	80	81-125	F1
1,1,2,2-Tetrachloroethane	2.93	0.028 U	2.35	80	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.93	0.050 U	1.87	64	69-135	F1
1,1,2-Trichloroethane	2.93	0.012 U	2.73	93	72-117	
1,1-Dichloroethane	2.93	0.035 U	2.55	87	78-123	
1,1-Dichloroethene	2.93	0.050 U	2.11	72	78-125	F1
1,2,3-Trichlorobenzene	2.93	0.051 U	2.43	83	35-143	
1,2,4-Trichlorobenzene	2.93	0.040 U	2.45	83	45-137	
1,2-Dibromo-3-Chloropropane	2.93	0.034 U	2.43	83	37-130	
1,2-Dichlorobenzene	2.93	0.032 U	2.64	90	80-120	
1,2-Dichloroethane	2.93	0.037 U	2.79	95	75-122	
1,2-Dichloropropane	2.93	0.026 U	2.69	92	76-124	
1,3-Dichlorobenzene	2.93	0.048 U	2.62	89	80-120	
1,4-Dichlorobenzene	2.93	0.048 U	2.49	85	80-120	
1,4-Dioxane	58.6	1.3 U	53.6	92	65-145	
2-Butanone (MEK)	14.7	0.32 U	13.1	89	40-150	
2-Hexanone	14.7	0.11 U	13.3	91	44-136	
4-Methyl-2-pentanone (MIBK)	14.7	0.092 U	13.5	92	62-124	
Acetone	14.7	0.16 U	12.5	86	10-150	
Benzene	2.93	0.028 U	2.68	91	77-121	
Bromodichloromethane	2.93	0.022 U	2.26	77	78-122	F1
Bromoform	2.93	0.026 U	1.68	57	68-124	F1
Bromomethane	2.93	0.026 U	3.21	109	66-145	
Carbon disulfide	2.93	0.032 U	1.51	52	72-127	F1
Carbon tetrachloride	2.93	0.048 U	2.00	68	77-136	F1
Chlorobenzene	2.93	0.035 U	2.65	90	84-114	
Chlorobromomethane	2.93	0.044 U	2.65	90	82-124	
Chloroethane	2.93	0.054 U	3.32	113	68-144	
Chloroform	2.93	0.032 U	2.58	88	82-123	
Chloromethane	2.93	0.032 U	3.15	107	63-138	
cis-1,2-Dichloroethene	2.93	0.038 U	2.63	90	80-120	
cis-1,3-Dichloropropene	2.93	0.023 U	2.58	88	78-120	
Cyclohexane	2.93	0.038 U	2.06	70	64-128	
Dibromochloromethane	2.93	0.032 U	2.03	69	83-121	F1
Dichlorodifluoromethane	2.93	0.021 U	2.54	87	51-145	
Ethylbenzene	2.93	0.044 U	2.43	83	80-120	
Ethylene Dibromide	2.93	0.028 U	2.42	83	76-117	
Isopropylbenzene	2.93	0.047 U	2.52	86	81-124	
m&p-Xylene	2.93	0.041 U	2.42	83	81-117	
Methyl acetate	14.7	0.085 U	15.0	102	58-140	
Methyl tert-butyl ether	2.93	0.019 U	2.56	87	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02874.D

Lab ID: 460-116771-B-1-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	2.93	0.032 U	1.81	62	55-133	
Methylene Chloride	2.93	0.031 U	2.50	85	78-122	
o-Xylene	2.93	0.047 U	2.53	86	79-116	
Styrene	2.93	0.025 U	2.49	85	80-120	
Tetrachloroethene	2.93	0.053 U	2.44	83	71-133	
Toluene	2.93	0.037 U	2.77	94	80-120	
trans-1,2-Dichloroethene	2.93	0.026 U	2.42	83	79-123	
trans-1,3-Dichloropropene	2.93	0.028 U	2.51	86	74-121	
Trichloroethene	2.93	0.032 U	2.47	84	82-122	
Trichlorofluoromethane	2.93	0.022 U	3.18	109	72-140	
Vinyl chloride	2.93	0.029 U	2.96	101	69-139	
Xylenes, Total	5.86	0.041 U	4.95	84	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: E57342.D

Lab ID: 460-116741-B-1 MS

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.28 U	221	110	76-131	
1,1,2,2-Tetrachloroethane	200	0.19 U	199	100	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	0.34 U	196	98	53-149	
1,1,2-Trichloroethane	200	0.080 U	198	99	77-122	
1,1-Dichloroethane	200	0.24 U	226	113	77-129	
1,1-Dichloroethene	200	0.34 U	203	101	67-133	
1,2,3-Trichlorobenzene	200	0.35 U	181	91	64-142	
1,2,4-Trichlorobenzene	200	0.27 U	181	90	66-137	
1,2-Dibromo-3-Chloropropane	200	0.23 U	162	81	55-133	
1,2-Dichlorobenzene	200	0.22 U	196	98	80-121	
1,2-Dichloroethane	200	0.25 U	220	110	73-131	
1,2-Dichloropropane	200	0.18 U	217	108	75-129	
1,3-Dichlorobenzene	200	0.33 U	193	96	80-120	
1,4-Dichlorobenzene	200	0.33 U	192	96	79-120	
1,4-Dioxane	4000	8.7 U	3360	84	65-150	
2-Butanone (MEK)	1000	2.2 U	862	86	56-150	
2-Hexanone	1000	0.72 U	951	95	64-150	
4-Methyl-2-pentanone (MIBK)	1000	0.63 U	1010	101	77-130	
Acetone	1000	1.1 U	748	75	19-150	
Benzene	200	0.090 U	210	105	76-125	
Bromodichloromethane	200	0.15 U	209	104	78-127	
Bromoform	200	0.18 U	156	78	65-124	
Bromomethane	200	0.18 U	222	111	10-150	
Carbon disulfide	200	0.22 U	205	102	69-131	
Carbon tetrachloride	200	0.33 U	221	111	71-138	
Chlorobenzene	200	0.24 U	195	98	80-120	
Chlorobromomethane	200	0.30 U	188	94	71-137	
Chloroethane	200	0.37 U	463	231	40-150	F1
Chloroform	200	0.22 U	214	107	81-127	
Chloromethane	200	0.22 U	210	105	45-150	
cis-1,2-Dichloroethene	200	0.26 U	200	100	82-127	
cis-1,3-Dichloropropene	200	0.16 U	187	94	72-125	
Cyclohexane	200	0.26 U	255	127	51-147	
Dibromochloromethane	200	0.22 U	180	90	78-120	
Dichlorodifluoromethane	200	0.14 U	202	101	32-150	
Ethylbenzene	200	0.30 U	201	100	80-120	
Ethylene Dibromide	200	0.19 U	182	91	80-120	
Isopropylbenzene	200	0.32 U	202	101	80-127	
m&p-Xylene	200	0.28 U	192	96	80-121	
Methyl acetate	1000	0.58 U	1000	100	63-150	
Methyl tert-butyl ether	200	0.13 U	197	98	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: E57342.D

Lab ID: 460-116741-B-1 MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	200	0.22 U	202	101	52-142	
Methylene Chloride	200	0.21 U	200	100	80-126	
o-Xylene	200	0.32 U	188	94	80-120	
Styrene	200	0.17 U	186	93	75-124	
Tetrachloroethene	200	0.81 J	195	97	71-132	
Toluene	200	0.25 U	204	102	80-120	
trans-1,2-Dichloroethene	200	0.18 U	199	99	78-127	
trans-1,3-Dichloropropene	200	0.19 U	192	96	69-125	
Trichloroethene	200	1.0	207	103	77-127	
Trichlorofluoromethane	200	0.15 U	270	135	50-150	
Vinyl chloride	200	0.060 U	209	104	53-142	
Xylenes, Total	400	0.28 U	380	95	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: J43626.D

Lab ID: 460-117128-C-3 MS

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	200	0.28 U	174	87	76-131	
1,1,2,2-Tetrachloroethane	200	0.19 U	164	82	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	0.34 U	178	89	53-149	
1,1,2-Trichloroethane	200	0.080 U	177	89	77-122	
1,1-Dichloroethane	200	0.24 U	195	98	77-129	
1,1-Dichloroethene	200	0.34 U	172	86	67-133	
1,2,3-Trichlorobenzene	200	0.35 U	168	84	64-142	
1,2,4-Trichlorobenzene	200	0.27 U	170	85	66-137	
1,2-Dibromo-3-Chloropropane	200	0.23 U	163	82	55-133	
1,2-Dichlorobenzene	200	0.22 U	182	91	80-121	
1,2-Dichloroethane	200	0.25 U	179	89	73-131	
1,2-Dichloropropane	200	0.18 U	229	114	75-129	
1,3-Dichlorobenzene	200	0.33 U	178	89	80-120	
1,4-Dichlorobenzene	200	0.33 U	175	88	79-120	
1,4-Dioxane	4000	8.7 U	3810	95	65-150	
2-Butanone (MEK)	1000	2.2 U	851	85	56-150	
2-Hexanone	1000	0.72 U	973	97	64-150	
4-Methyl-2-pentanone (MIBK)	1000	0.63 U	1000	100	77-130	
Acetone	1000	1.1 U	786	79	19-150	
Benzene	200	0.27 U	187	93	76-125	
Bromodichloromethane	200	0.15 U	183	91	78-127	
Bromoform	200	0.18 U	166	83	65-124	
Bromomethane	200	0.18 U	145	72	10-150	
Carbon disulfide	200	0.22 U	189	94	69-131	
Carbon tetrachloride	200	0.33 U	185	93	71-138	
Chlorobenzene	200	0.24 U	184	92	80-120	
Chlorobromomethane	200	0.30 U	167	84	71-137	
Chloroethane	200	0.37 U	154	77	40-150	
Chloroform	200	0.22 U	179	89	81-127	
Chloromethane	200	0.22 U	206	103	45-150	
cis-1,2-Dichloroethene	200	0.26 U	167	83	82-127	
cis-1,3-Dichloropropene	200	0.16 U	187	93	72-125	
Cyclohexane	200	0.26 U	218	109	51-147	
Dibromochloromethane	200	0.22 U	180	90	78-120	
Dichlorodifluoromethane	200	0.14 U	162	81	32-150	
Ethylbenzene	200	0.30 U	181	91	80-120	
Ethylene Dibromide	200	0.19 U	172	86	80-120	
Isopropylbenzene	200	0.38 U	221	110	80-127	
m&p-Xylene	200	0.28 U	199	99	80-121	
Methyl acetate	1000	0.58 U	848	85	63-150	
Methyl tert-butyl ether	200	0.13 U	178	89	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: J43626.D  
 Lab ID: 460-117128-C-3 MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	200	0.22 U	198	99	52-142	
Methylene Chloride	200	0.21 U	176	88	80-126	
o-Xylene	200	0.32 U	204	102	80-120	
Styrene	200	0.17 U	211	106	75-124	
Tetrachloroethene	200	0.12 U	167	83	71-132	
Toluene	200	0.25 U	183	91	80-120	
trans-1,2-Dichloroethene	200	0.18 U	177	88	78-127	
trans-1,3-Dichloropropene	200	0.19 U	190	95	69-125	
Trichloroethene	200	0.22 U	178	89	77-127	
Trichlorofluoromethane	200	0.15 U	130	65	50-150	
Vinyl chloride	200	0.060 U	160	80	53-142	
Xylenes, Total	400	0.28 U	403	101	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23822.D

Lab ID: 460-116858-9 MSD

Client ID: W108-SB-3(0-2) MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0229	0.0196	85	12	30	80-125	
1,1,2,2-Tetrachloroethane	0.0229	0.00019 U	0	NC	30	72-131	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0229	0.0176	77	15	30	78-132	F1
1,1,2-Trichloroethane	0.0229	0.0150	65	19	30	76-124	F1
1,1-Dichloroethane	0.0229	0.0197	86	14	30	80-124	
1,1-Dichloroethene	0.0229	0.0171	75	28	30	79-132	F1
1,2,3-Trichlorobenzene	0.0229	0.0106	46	30	30	75-123	F1
1,2,4-Trichlorobenzene	0.0229	0.00908	40	35	30	74-124	F1 F2
1,2-Dibromo-3-Chloropropane	0.0229	0.0125	55	15	30	65-129	F1
1,2-Dichlorobenzene	0.0229	0.0139	60	18	30	80-121	F1
1,2-Dichloroethane	0.0229	0.0186	81	16	30	68-120	
1,2-Dichloropropane	0.0229	0.0185	81	13	30	77-124	
1,3-Dichlorobenzene	0.0229	0.0122	53	19	30	79-124	F1
1,4-Dichlorobenzene	0.0229	0.0115	50	16	30	79-121	F1
1,4-Dioxane	0.458	0.413	90	29	30	67-150	
2-Butanone (MEK)	0.115	0.101	88	16	30	61-140	
2-Hexanone	0.115	0.105	92	14	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.115	0.106	93	14	30	80-120	
Acetone	0.115	0.111	85	15	30	75-120	
Benzene	0.0229	0.0181	79	13	30	75-127	
Bromodichloromethane	0.0229	0.0163	71	12	30	76-129	F1
Bromoform	0.0229	0.0150	66	21	30	19-150	
Bromomethane	0.0229	0.0214	94	18	30	59-136	
Carbon disulfide	0.0229	0.0133	58	14	30	74-130	F1
Carbon tetrachloride	0.0229	0.0187	82	13	30	77-138	
Chlorobenzene	0.0229	0.0158	69	14	30	80-120	F1
Chlorobromomethane	0.0229	0.0180	79	17	30	80-125	F1
Chloroethane	0.0229	0.0225	98	18	30	50-139	
Chloroform	0.0229	0.0197	86	15	30	80-122	
Chloromethane	0.0229	0.0137	60	17	30	66-128	F1
cis-1,2-Dichloroethene	0.0229	0.0175	76	15	30	80-123	F1
cis-1,3-Dichloropropene	0.0229	0.0137	60	14	30	75-124	F1
Cyclohexane	0.0229	0.0157	69	12	30	67-135	
Dibromochloromethane	0.0229	0.0156	68	15	30	67-143	
Dichlorodifluoromethane	0.0229	0.0229	100	2	30	72-127	
Ethylbenzene	0.0229	0.0160	70	18	30	79-124	F1
Ethylene Dibromide	0.0229	0.0148	65	15	30	80-122	F1
Isopropylbenzene	0.0229	0.0167	73	15	30	80-125	F1
m&p-Xylene	0.0229	0.0161	70	16	30	79-121	F1
Methyl acetate	0.115	0.00191 J	2	9	30	73-123	F1
Methyl tert-butyl ether	0.0229	0.0198	86	18	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D23822.D

Lab ID: 460-116858-9 MSD Client ID: W108-SB-3(0-2) MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0229	0.0152	66	16	30	71-137	F1
Methylene Chloride	0.0229	0.0184	80	15	30	79-128	
o-Xylene	0.0229	0.0168	73	16	30	79-123	F1
Styrene	0.0229	0.0143	62	16	30	78-123	F1
Tetrachloroethene	0.0229	0.0174	76	16	30	73-130	
Toluene	0.0229	0.0188	72	26	30	75-122	F1
trans-1,2-Dichloroethene	0.0229	0.0169	74	15	30	80-129	F1
trans-1,3-Dichloropropene	0.0229	0.0117	51	18	30	72-121	F1
Trichloroethene	0.0229	0.0288	126	16	30	79-122	F1
Trichlorofluoromethane	0.0229	0.0227	99	21	30	68-136	
Vinyl chloride	0.0229	0.0144	63	19	30	70-134	F1
Xylenes, Total	0.0458	0.0329	72	16	30	79-122	F1

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D23942.D

Lab ID: 460-116994-8 MSD

Client ID: W108-SB-15(0-2) MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	0.0205	0.0202	99	25	30	80-125	
1,1,2,2-Tetrachloroethane	0.0205	0.0118	58	155	30	72-131	F1 F2
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0205	0.0184	90	20	30	78-132	
1,1,2-Trichloroethane	0.0205	0.0187	91	17	30	76-124	
1,1-Dichloroethane	0.0205	0.0204	100	23	30	80-124	
1,1-Dichloroethene	0.0205	0.0183	89	24	30	79-132	
1,2,3-Trichlorobenzene	0.0205	0.0119	58	35	30	75-123	F1 F2
1,2,4-Trichlorobenzene	0.0205	0.0117	57	25	30	74-124	F1
1,2-Dibromo-3-Chloropropane	0.0205	0.0163	79	22	30	65-129	
1,2-Dichlorobenzene	0.0205	0.0152	74	26	30	80-121	F1
1,2-Dichloroethane	0.0205	0.0208	101	21	30	68-120	
1,2-Dichloropropane	0.0205	0.0196	96	24	30	77-124	
1,3-Dichlorobenzene	0.0205	0.0146	71	23	30	79-124	F1
1,4-Dichlorobenzene	0.0205	0.0145	71	19	30	79-121	F1
1,4-Dioxane	0.409	0.498	122	7	30	67-150	
2-Butanone (MEK)	0.102	0.109	106	25	30	61-140	
2-Hexanone	0.102	0.109	107	23	30	78-120	
4-Methyl-2-pentanone (MIBK)	0.102	0.112	109	23	30	80-120	
Acetone	0.102	0.137	126	16	30	75-120	F1
Benzene	0.0205	0.0187	91	22	30	75-127	
Bromodichloromethane	0.0205	0.0182	89	22	30	76-129	
Bromoform	0.0205	0.0175	86	26	30	19-150	
Bromomethane	0.0205	0.0206	101	30	30	59-136	
Carbon disulfide	0.0205	0.0167	76	25	30	74-130	
Carbon tetrachloride	0.0205	0.0188	92	28	30	77-138	
Chlorobenzene	0.0205	0.0186	91	21	30	80-120	
Chlorobromomethane	0.0205	0.0210	103	21	30	80-125	
Chloroethane	0.0205	0.0224	109	26	30	50-139	
Chloroform	0.0205	0.0214	105	23	30	80-122	
Chloromethane	0.0205	0.0134	65	33	30	66-128	F1 F2
cis-1,2-Dichloroethene	0.0205	0.0200	98	20	30	80-123	
cis-1,3-Dichloropropene	0.0205	0.0149	73	22	30	75-124	F1
Cyclohexane	0.0205	0.0162	79	22	30	67-135	
Dibromochloromethane	0.0205	0.0172	84	24	30	67-143	
Dichlorodifluoromethane	0.0205	0.0211	103	23	30	72-127	*
Ethylbenzene	0.0205	0.0183	89	23	30	79-124	
Ethylene Dibromide	0.0205	0.0176	86	21	30	80-122	
Isopropylbenzene	0.0205	0.0177	86	27	30	80-125	
m&p-Xylene	0.0205	0.0183	90	24	30	79-121	
Methyl acetate	0.102	0.0938	92	37	30	73-123	F2
Methyl tert-butyl ether	0.0205	0.0213	104	22	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low Lab File ID: D23942.D  
 Lab ID: 460-116994-8 MSD Client ID: W108-SB-15(0-2) MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	0.0205	0.0158	77	20	30	71-137	
Methylene Chloride	0.0205	0.0209	96	26	30	79-128	
o-Xylene	0.0205	0.0190	93	26	30	79-123	
Styrene	0.0205	0.0175	85	22	30	78-123	
Tetrachloroethene	0.0205	0.0193	94	22	30	73-130	
Toluene	0.0205	0.0187	89	23	30	75-122	
trans-1,2-Dichloroethene	0.0205	0.0196	96	18	30	80-129	
trans-1,3-Dichloropropene	0.0205	0.0147	72	17	30	72-121	
Trichloroethene	0.0205	0.0230	112	56	30	79-122	F2
Trichlorofluoromethane	0.0205	0.0223	109	30	30	68-136	*
Vinyl chloride	0.0205	0.0148	72	27	30	70-134	
Xylenes, Total	0.0409	0.0374	91	25	30	79-122	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

Lab File ID: B02806.D

Lab ID: 460-116581-A-13-A MSD

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	2.41	2.04	85	5	30	81-125	
1,1,2,2-Tetrachloroethane	2.41	2.15	89	0	30	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.41	2.78	115	16	30	69-135	
1,1,2-Trichloroethane	2.41	2.32	97	2	30	72-117	
1,1-Dichloroethane	2.41	2.39	99	9	30	78-123	
1,1-Dichloroethene	2.41	2.29	95	10	30	78-125	
1,2,3-Trichlorobenzene	2.41	2.51	104	13	30	35-143	
1,2,4-Trichlorobenzene	2.41	2.43	101	21	30	45-137	
1,2-Dibromo-3-Chloropropane	2.41	2.22	92	10	30	37-130	
1,2-Dichlorobenzene	2.41	2.31	96	7	30	80-120	
1,2-Dichloroethane	2.41	2.42	100	3	30	75-122	
1,2-Dichloropropane	2.41	2.35	98	5	30	76-124	
1,3-Dichlorobenzene	2.41	2.29	95	5	30	80-120	
1,4-Dichlorobenzene	2.41	2.21	92	7	30	80-120	
1,4-Dioxane	48.2	55.8	116	7	30	65-145	
2-Butanone (MEK)	12.0	11.8	98	1	30	40-150	
2-Hexanone	12.0	11.9	99	1	30	44-136	
4-Methyl-2-pentanone (MIBK)	12.0	12.1	101	1	30	62-124	
Acetone	12.0	11.5	95	4	30	10-150	
Benzene	2.41	2.30	96	6	30	77-121	
Bromodichloromethane	2.41	2.00	83	18	30	78-122	
Bromoform	2.41	1.38	57	1	30	68-124	F1
Bromomethane	2.41	2.34	97	1	30	66-145	
Carbon disulfide	2.41	1.87	78	13	30	72-127	
Carbon tetrachloride	2.41	2.06	86	3	30	77-136	
Chlorobenzene	2.41	2.26	94	4	30	84-114	
Chlorobromomethane	2.41	2.61	109	13	30	82-124	
Chloroethane	2.41	2.36	98	8	30	68-144	
Chloroform	2.41	2.37	98	3	30	82-123	
Chloromethane	2.41	2.28	95	17	30	63-138	
cis-1,2-Dichloroethene	2.41	2.33	95	5	30	80-120	
cis-1,3-Dichloropropene	2.41	2.33	97	12	30	78-120	
Cyclohexane	2.41	2.54	105	11	30	64-128	
Dibromochloromethane	2.41	1.81	75	3	30	83-121	F1
Dichlorodifluoromethane	2.41	1.68	70	3	30	51-145	
Ethylbenzene	2.41	2.40	100	10	30	80-120	
Ethylene Dibromide	2.41	2.13	88	3	30	76-117	
Isopropylbenzene	2.41	2.30	95	6	30	81-124	
m&p-Xylene	2.41	2.35	98	2	30	81-117	
Methyl acetate	12.0	12.4	103	1	30	58-140	
Methyl tert-butyl ether	2.41	2.38	99	4	30	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Medium Lab File ID: B02806.D  
 Lab ID: 460-116581-A-13-A MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	2.41	2.42	100	5	30	55-133	
Methylene Chloride	2.41	2.24	93	9	30	78-122	
o-Xylene	2.41	2.33	97	10	30	79-116	
Styrene	2.41	2.23	92	5	30	80-120	
Tetrachloroethene	2.41	2.32	96	5	30	71-133	
Toluene	2.41	2.44	101	4	30	80-120	
trans-1,2-Dichloroethene	2.41	2.11	88	9	30	79-123	
trans-1,3-Dichloropropene	2.41	2.14	89	10	30	74-121	
Trichloroethene	2.41	2.65	89	0	30	82-122	
Trichlorofluoromethane	2.41	2.54	105	27	30	72-140	
Vinyl chloride	2.41	2.20	91	5	30	69-139	
Xylenes, Total	4.82	4.68	97	6	30	80-120	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

Lab File ID: B02875.D

Lab ID: 460-116771-B-1-A MSD

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	2.93	2.27	77	3	30	81-125	F1
1,1,2,2-Tetrachloroethane	2.93	2.27	77	3	30	59-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.93	1.75	60	7	30	69-135	F1
1,1,2-Trichloroethane	2.93	2.62	89	4	30	72-117	
1,1-Dichloroethane	2.93	2.48	85	3	30	78-123	
1,1-Dichloroethene	2.93	2.09	71	1	30	78-125	F1
1,2,3-Trichlorobenzene	2.93	2.72	93	11	30	35-143	
1,2,4-Trichlorobenzene	2.93	2.53	86	4	30	45-137	
1,2-Dibromo-3-Chloropropane	2.93	2.32	79	5	30	37-130	
1,2-Dichlorobenzene	2.93	2.32	79	13	30	80-120	F1
1,2-Dichloroethane	2.93	2.66	91	5	30	75-122	
1,2-Dichloropropane	2.93	2.43	83	10	30	76-124	
1,3-Dichlorobenzene	2.93	2.41	82	8	30	80-120	
1,4-Dichlorobenzene	2.93	2.30	78	8	30	80-120	F1
1,4-Dioxane	58.6	38.5	66	33	30	65-145	F2
2-Butanone (MEK)	14.7	13.0	88	1	30	40-150	
2-Hexanone	14.7	12.7	87	5	30	44-136	
4-Methyl-2-pentanone (MIBK)	14.7	13.1	89	3	30	62-124	
Acetone	14.7	12.9	88	3	30	10-150	
Benzene	2.93	2.42	82	10	30	77-121	
Bromodichloromethane	2.93	2.08	71	9	30	78-122	F1
Bromoform	2.93	1.61	55	4	30	68-124	F1
Bromomethane	2.93	3.10	106	3	30	66-145	
Carbon disulfide	2.93	1.51	51	1	30	72-127	F1
Carbon tetrachloride	2.93	1.84	63	9	30	77-136	F1
Chlorobenzene	2.93	2.37	81	11	30	84-114	F1
Chlorobromomethane	2.93	2.52	86	5	30	82-124	
Chloroethane	2.93	3.17	108	5	30	68-144	
Chloroform	2.93	2.50	85	3	30	82-123	
Chloromethane	2.93	3.16	108	1	30	63-138	
cis-1,2-Dichloroethene	2.93	2.45	84	7	30	80-120	
cis-1,3-Dichloropropene	2.93	2.44	83	6	30	78-120	
Cyclohexane	2.93	1.92	66	7	30	64-128	
Dibromochloromethane	2.93	1.96	67	3	30	83-121	F1
Dichlorodifluoromethane	2.93	2.37	81	7	30	51-145	
Ethylbenzene	2.93	2.45	84	1	30	80-120	
Ethylene Dibromide	2.93	2.40	82	1	30	76-117	
Isopropylbenzene	2.93	2.31	79	9	30	81-124	F1
m&p-Xylene	2.93	2.30	78	5	30	81-117	F1
Methyl acetate	14.7	14.9	102	0	30	58-140	
Methyl tert-butyl ether	2.93	2.51	86	2	30	77-121	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: B02875.D

Lab ID: 460-116771-B-1-A MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	2.93	1.78	61	2	30	55-133	
Methylene Chloride	2.93	2.64	90	5	30	78-122	
o-Xylene	2.93	2.33	79	8	30	79-116	
Styrene	2.93	2.36	81	5	30	80-120	
Tetrachloroethene	2.93	2.12	72	14	30	71-133	
Toluene	2.93	2.51	86	10	30	80-120	
trans-1,2-Dichloroethene	2.93	2.33	79	4	30	79-123	
trans-1,3-Dichloropropene	2.93	2.22	76	13	30	74-121	
Trichloroethene	2.93	2.32	79	6	30	82-122	F1
Trichlorofluoromethane	2.93	3.00	102	6	30	72-140	
Vinyl chloride	2.93	2.81	96	5	30	69-139	
Xylenes, Total	5.86	4.62	79	7	30	80-120	F1

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: E57343.D

Lab ID: 460-116741-B-1 MSD

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	200	221	111	0	30	76-131	
1,1,2,2-Tetrachloroethane	200	189	95	5	30	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	198	99	1	30	53-149	
1,1,2-Trichloroethane	200	194	97	2	30	77-122	
1,1-Dichloroethane	200	224	112	1	30	77-129	
1,1-Dichloroethene	200	208	104	2	30	67-133	
1,2,3-Trichlorobenzene	200	179	89	1	30	64-142	
1,2,4-Trichlorobenzene	200	182	91	0	30	66-137	
1,2-Dibromo-3-Chloropropane	200	167	84	3	30	55-133	
1,2-Dichlorobenzene	200	190	95	3	30	80-121	
1,2-Dichloroethane	200	215	108	2	30	73-131	
1,2-Dichloropropane	200	216	108	0	30	75-129	
1,3-Dichlorobenzene	200	189	94	2	30	80-120	
1,4-Dichlorobenzene	200	193	96	0	30	79-120	
1,4-Dioxane	4000	3780	95	12	30	65-150	
2-Butanone (MEK)	1000	834	83	3	30	56-150	
2-Hexanone	1000	935	94	2	30	64-150	
4-Methyl-2-pentanone (MIBK)	1000	986	99	3	30	77-130	
Acetone	1000	740	74	1	30	19-150	
Benzene	200	209	105	0	30	76-125	
Bromodichloromethane	200	202	101	3	30	78-127	
Bromoform	200	151	75	3	30	65-124	
Bromomethane	200	267	134	18	30	10-150	
Carbon disulfide	200	207	103	1	30	69-131	
Carbon tetrachloride	200	217	109	2	30	71-138	
Chlorobenzene	200	195	98	0	30	80-120	
Chlorobromomethane	200	187	94	1	30	71-137	
Chloroethane	200	544	272	16	30	40-150	F1
Chloroform	200	212	106	1	30	81-127	
Chloromethane	200	242	121	14	30	45-150	
cis-1,2-Dichloroethene	200	197	98	2	30	82-127	
cis-1,3-Dichloropropene	200	185	93	1	30	72-125	
Cyclohexane	200	257	128	1	30	51-147	
Dibromochloromethane	200	179	89	0	30	78-120	
Dichlorodifluoromethane	200	230	115	13	30	32-150	
Ethylbenzene	200	201	101	0	30	80-120	
Ethylene Dibromide	200	181	91	0	30	80-120	
Isopropylbenzene	200	202	101	0	30	80-127	
m&p-Xylene	200	191	95	1	30	80-121	
Methyl acetate	1000	963	96	4	30	63-150	
Methyl tert-butyl ether	200	195	97	1	30	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: E57343.D  
 Lab ID: 460-116741-B-1 MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	200	197	99	2	30	52-142	
Methylene Chloride	200	201	101	1	30	80-126	
o-Xylene	200	186	93	1	30	80-120	
Styrene	200	185	93	0	30	75-124	
Tetrachloroethene	200	189	94	3	30	71-132	
Toluene	200	203	101	1	30	80-120	
trans-1,2-Dichloroethene	200	200	100	1	30	78-127	
trans-1,3-Dichloropropene	200	189	95	2	30	69-125	
Trichloroethene	200	204	101	2	30	77-127	
Trichlorofluoromethane	200	310	155	14	30	50-150	F1
Vinyl chloride	200	248	124	17	30	53-142	
Xylenes, Total	400	376	94	1	30	80-120	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-116807-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

Lab File ID: J43627.D

Lab ID: 460-117128-C-3 MSD

Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	200	185	92	6	30	76-131	
1,1,2,2-Tetrachloroethane	200	170	85	4	30	65-128	
1,1,2-Trichloro-1,2,2-trifluoroethane	200	185	92	4	30	53-149	
1,1,2-Trichloroethane	200	184	92	4	30	77-122	
1,1-Dichloroethane	200	202	101	3	30	77-129	
1,1-Dichloroethene	200	187	94	9	30	67-133	
1,2,3-Trichlorobenzene	200	197	98	16	30	64-142	
1,2,4-Trichlorobenzene	200	198	99	15	30	66-137	
1,2-Dibromo-3-Chloropropane	200	178	89	8	30	55-133	
1,2-Dichlorobenzene	200	194	97	6	30	80-121	
1,2-Dichloroethane	200	177	88	1	30	73-131	
1,2-Dichloropropane	200	229	115	0	30	75-129	
1,3-Dichlorobenzene	200	191	95	7	30	80-120	
1,4-Dichlorobenzene	200	186	93	6	30	79-120	
1,4-Dioxane	4000	5980	149	44	30	65-150	F2
2-Butanone (MEK)	1000	832	83	2	30	56-150	
2-Hexanone	1000	978	98	1	30	64-150	
4-Methyl-2-pentanone (MIBK)	1000	998	100	0	30	77-130	
Acetone	1000	799	80	2	30	19-150	
Benzene	200	191	95	2	30	76-125	
Bromodichloromethane	200	189	95	3	30	78-127	
Bromoform	200	176	88	6	30	65-124	
Bromomethane	200	151	75	4	30	10-150	
Carbon disulfide	200	200	100	6	30	69-131	
Carbon tetrachloride	200	184	92	1	30	71-138	
Chlorobenzene	200	191	95	4	30	80-120	
Chlorobromomethane	200	174	87	4	30	71-137	
Chloroethane	200	153	76	1	30	40-150	
Chloroform	200	181	90	1	30	81-127	
Chloromethane	200	214	107	4	30	45-150	
cis-1,2-Dichloroethene	200	178	89	7	30	82-127	
cis-1,3-Dichloropropene	200	192	96	3	30	72-125	
Cyclohexane	200	223	111	2	30	51-147	
Dibromochloromethane	200	182	91	2	30	78-120	
Dichlorodifluoromethane	200	171	85	5	30	32-150	
Ethylbenzene	200	190	95	5	30	80-120	
Ethylene Dibromide	200	174	87	1	30	80-120	
Isopropylbenzene	200	228	114	3	30	80-127	
m&p-Xylene	200	203	102	2	30	80-121	
Methyl acetate	1000	885	88	4	30	63-150	
Methyl tert-butyl ether	200	180	90	1	30	78-129	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Water Level: Low Lab File ID: J43627.D  
 Lab ID: 460-117128-C-3 MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	200	206	103	4	30	52-142	
Methylene Chloride	200	181	91	3	30	80-126	
o-Xylene	200	212	106	4	30	80-120	
Styrene	200	213	106	1	30	75-124	
Tetrachloroethene	200	171	85	3	30	71-132	
Toluene	200	188	94	2	30	80-120	
trans-1,2-Dichloroethene	200	193	97	9	30	78-127	
trans-1,3-Dichloropropene	200	190	95	0	30	69-125	
Trichloroethene	200	179	90	1	30	77-127	
Trichlorofluoromethane	200	137	68	5	30	50-150	
Vinyl chloride	200	167	83	4	30	53-142	
Xylenes, Total	400	415	104	3	30	80-120	

# Column to be used to flag recovery and RPD values  
 FORM III 8260C

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02802.D Lab Sample ID: MB 460-379053/8  
 Matrix: Solid Heated Purge: (Y/N) N  
 Instrument ID: CVOAMS2 Date Analyzed: 07/14/2016 14:39  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379053/3	B02797.D	07/14/2016 12:38
	460-116581-A-13-A MS	B02805.D	07/14/2016 15:51
	460-116581-A-13-A MSD	B02806.D	07/14/2016 16:15
W108-SB-2-(0-2)	460-116858-6	B02823.D	07/14/2016 23:05

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
SDG No.: \_\_\_\_\_  
Lab File ID: B02832.D Lab Sample ID: MB 460-379154/7  
Matrix: Solid Heated Purge: (Y/N) N  
Instrument ID: CVOAMS2 Date Analyzed: 07/15/2016 03:00  
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379154/3	B02828.D	07/15/2016 01:23
	LCSD 460-379154/4	B02829.D	07/15/2016 01:48
W108-SB-2(3-4)	460-116858-8	B02837.D	07/15/2016 04:59

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02860.D Lab Sample ID: MB 460-379260/9  
 Matrix: Solid Heated Purge: (Y/N) N  
 Instrument ID: CVOAMS2 Date Analyzed: 07/15/2016 15:49  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379260/5	B02856.D	07/15/2016 14:08
W108-SB-4(5-7)	460-116858-11	B02862.D	07/15/2016 16:36
	460-116771-B-1-A MS	B02874.D	07/15/2016 21:25
	460-116771-B-1-A MSD	B02875.D	07/15/2016 21:49

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23808.D Lab Sample ID: MB 460-378974/7  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS4 Date Analyzed: 07/14/2016 07:38  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-378974/3	D23804.D	07/14/2016 05:47
	LB3 460-378784/1-A	D23809.D	07/14/2016 08:02
W108-SB-3(0-2)	460-116858-9	D23818.D	07/14/2016 11:42
W108-SB-4(0-2)	460-116858-10	D23819.D	07/14/2016 12:06
W108-SB-1(0-2)	460-116858-12	D23820.D	07/14/2016 12:31
W108-SB-3(0-2) MS	460-116858-9 MS	D23821.D	07/14/2016 12:56
W108-SB-3(0-2) MSD	460-116858-9 MSD	D23822.D	07/14/2016 13:20

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23838.D Lab Sample ID: MB 460-379152/7  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS4 Date Analyzed: 07/14/2016 22:03  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379152/3	D23834.D	07/14/2016 20:24
	LCSD 460-379152/4	D23835.D	07/14/2016 20:49
W108-SB-5(8-10)	460-116858-2	D23852.D	07/15/2016 03:45
W108-SB-5(0-2)	460-116858-1	D23853.D	07/15/2016 04:09
W108-SB-X(3-4)	460-116858-7	D23854.D	07/15/2016 04:34
W108-SB-1(5-7)	460-116858-13	D23855.D	07/15/2016 04:58

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23903.D Lab Sample ID: MB 460-379412/7  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS4 Date Analyzed: 07/16/2016 07:48  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379412/3	D23899.D	07/16/2016 05:54
	LCSD 460-379412/4	D23900.D	07/16/2016 06:19
W108-SB-12 (0-2)	460-116807-1	D23904.D	07/16/2016 08:13

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23931.D Lab Sample ID: MB 460-379471/7  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS4 Date Analyzed: 07/17/2016 09:04  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379471/3	D23927.D	07/17/2016 07:13
	LB3 460-379235/1-A	D23932.D	07/17/2016 09:29
W108-SB-15(0-2)	460-116994-8	D23933.D	07/17/2016 09:54
W108-SB-13(0-2)	460-116994-1	D23934.D	07/17/2016 10:19
W108-SB-14(0-2)	460-116994-2	D23935.D	07/17/2016 10:43
W108-SB-Y	460-116994-3	D23936.D	07/17/2016 11:08
W108-SB-11(0-2)	460-116994-6	D23939.D	07/17/2016 12:22
W108-SB-12B(2-4)	460-116994-7	D23940.D	07/17/2016 12:46
W108-SB-15(0-2) MS	460-116994-8 MS	D23941.D	07/17/2016 13:11
W108-SB-15(0-2) MSD	460-116994-8 MSD	D23942.D	07/17/2016 13:35

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23962.D Lab Sample ID: MB 460-379524/8  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS4 Date Analyzed: 07/18/2016 08:59  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379524/4	D23958.D	07/18/2016 07:21
	LCSD 460-379524/5	D23959.D	07/18/2016 07:45
W108-SB-12C(0-2)	460-116994-4	D23972.D	07/18/2016 13:05
W108-SB-12B(0-2)	460-116994-5	D23973.D	07/18/2016 13:29

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
SDG No.: \_\_\_\_\_  
Lab File ID: K55792.D Lab Sample ID: MB 460-378976/7  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: CVOAMS9 Date Analyzed: 07/14/2016 07:54  
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-378976/3	K55788.D	07/14/2016 05:52
	LCSD 460-378976/4	K55789.D	07/14/2016 06:18
	LB3 460-378935/1-A	K55811.D	07/14/2016 16:41

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: K55818.D Lab Sample ID: MB 460-379129/7  
 Matrix: Solid Heated Purge: (Y/N) Y  
 Instrument ID: CVOAMS9 Date Analyzed: 07/14/2016 19:51  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379129/3	K55814.D	07/14/2016 18:08
	LCSD 460-379129/4	K55815.D	07/14/2016 18:33
W108-SB-7 (0-2)	460-116922-1	K55830.D	07/15/2016 01:06
W108-SB-9 (0-2)	460-116922-2	K55831.D	07/15/2016 01:33
W108-SB-8 (0-2)	460-116922-3	K55832.D	07/15/2016 01:59
W108-SB-10 (0-2)	460-116922-4	K55833.D	07/15/2016 02:25
W108-SB-6 (0-2)	460-116922-5	K55834.D	07/15/2016 02:52

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E57314.D Lab Sample ID: MB 460-379337/7  
 Matrix: Water Heated Purge: (Y/N) N  
 Instrument ID: CVOAMS5 Date Analyzed: 07/16/2016 00:07  
 GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379337/3	E57310.D	07/15/2016 22:19
	LCSD 460-379337/4	E57311.D	07/15/2016 22:46
FB20160712	460-116858-5	E57320.D	07/16/2016 05:16
FB20160714	460-116994-10	E57322.D	07/16/2016 06:10

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
SDG No.: \_\_\_\_\_  
Lab File ID: E57333.D Lab Sample ID: MB 460-379422/7  
Matrix: Water Heated Purge: (Y/N) N  
Instrument ID: CVOAMS5 Date Analyzed: 07/16/2016 12:15  
GC Column: Rtx-VMS ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-379422/3	E57329.D	07/16/2016 10:27
TB20160712	460-116858-4	E57334.D	07/16/2016 12:42
	460-116741-B-1 MS	E57342.D	07/16/2016 16:18
	460-116741-B-1 MSD	E57343.D	07/16/2016 16:45

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: J43615.D Lab Sample ID: MB 460-380463/7  
 Matrix: Water Heated Purge: (Y/N) N  
 Instrument ID: CVOAMS8 Date Analyzed: 07/22/2016 11:40  
 GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-380463/3	J43611.D	07/22/2016 09:57
TB20160714	460-117248-1	J43616.D	07/22/2016 12:06
	460-117128-C-3 MS	J43626.D	07/22/2016 16:25
	460-117128-C-3 MSD	J43627.D	07/22/2016 16:51

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02710.D BFB Injection Date: 07/13/2016  
 Instrument ID: CVOAMS2 BFB Injection Time: 00:13  
 Analysis Batch No.: 378704

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.7	
75	30.0 - 60.0 % of mass 95	52.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	50.0 - 120.00 % of mass 95	86.5	
175	5.0 - 9.0 % of mass 174	7.0	(8.1) 1
176	95.0 - 101.0 % of mass 174	85.1	(98.5) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 460-378704/3	B02712.D	07/13/2016	01:02
	STD5 460-378704/4	B02713.D	07/13/2016	01:26
	STD20 460-378704/5	B02714.D	07/13/2016	01:49
	STD50 460-378704/6	B02715.D	07/13/2016	02:14
	STD200 460-378704/7	B02716.D	07/13/2016	02:38
	STD500 460-378704/8	B02717.D	07/13/2016	03:02

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02795.D BFB Injection Date: 07/14/2016  
 Instrument ID: CVOAMS2 BFB Injection Time: 11:49  
 Analysis Batch No.: 379053

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	28.1	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	50.0 - 120.00 % of mass 95	81.5	
175	5.0 - 9.0 % of mass 174	6.6	(8.2) 1
176	95.0 - 101.0 % of mass 174	77.6	(95.3) 1
177	5.0 - 9.0 % of mass 176	4.6	(5.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379053/2	B02796.D	07/14/2016	12:13
	LCS 460-379053/3	B02797.D	07/14/2016	12:38
	MB 460-379053/8	B02802.D	07/14/2016	14:39
	460-116581-A-13-A MS	B02805.D	07/14/2016	15:51
	460-116581-A-13-A MSD	B02806.D	07/14/2016	16:15
W108-SB-2-(0-2)	460-116858-6	B02823.D	07/14/2016	23:05

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02826.D BFB Injection Date: 07/15/2016  
 Instrument ID: CVOAMS2 BFB Injection Time: 00:30  
 Analysis Batch No.: 379154

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.6	
75	30.0 - 60.0 % of mass 95	56.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	50.0 - 120.00 % of mass 95	85.4	
175	5.0 - 9.0 % of mass 174	7.3	(8.6) 1
176	95.0 - 101.0 % of mass 174	82.3	(96.4) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379154/2	B02827.D	07/15/2016	00:59
	LCS 460-379154/3	B02828.D	07/15/2016	01:23
	LCSD 460-379154/4	B02829.D	07/15/2016	01:48
	MB 460-379154/7	B02832.D	07/15/2016	03:00
W108-SB-2(3-4)	460-116858-8	B02837.D	07/15/2016	04:59

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: B02852.D BFB Injection Date: 07/15/2016  
 Instrument ID: CVOAMS2 BFB Injection Time: 11:03  
 Analysis Batch No.: 379260

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.8	
75	30.0 - 60.0 % of mass 95	53.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	50.0 - 120.00 % of mass 95	83.6	
175	5.0 - 9.0 % of mass 174	6.0	(7.2) 1
176	95.0 - 101.0 % of mass 174	81.9	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379260/3	B02854.D	07/15/2016	13:19
	LCS 460-379260/5	B02856.D	07/15/2016	14:08
	MB 460-379260/9	B02860.D	07/15/2016	15:49
W108-SB-4(5-7)	460-116858-11	B02862.D	07/15/2016	16:36
	460-116771-B-1-A MS	B02874.D	07/15/2016	21:25
	460-116771-B-1-A MSD	B02875.D	07/15/2016	21:49

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D22641.D BFB Injection Date: 06/15/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 16:17  
 Analysis Batch No.: 373799

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.2	
75	30.0 - 60.0 % of mass 95	48.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.7	(0.8) 1
174	50.0 - 120.00 % of mass 95	83.5	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	79.9	(95.7) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 460-373799/3	D22643.D	06/15/2016	17:02
	STD5 460-373799/4	D22644.D	06/15/2016	17:27
	STD20 460-373799/5	D22645.D	06/15/2016	17:51
	STD50 460-373799/6	D22646.D	06/15/2016	18:15
	STD200 460-373799/7	D22647.D	06/15/2016	18:40
	STD500 460-373799/8	D22648.D	06/15/2016	19:04

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23802.D BFB Injection Date: 07/14/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 04:56  
 Analysis Batch No.: 378974

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.4	(7.6) 1
176	95.0 - 101.0 % of mass 174	80.7	(96.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-378974/2	D23803.D	07/14/2016	05:23
	LCS 460-378974/3	D23804.D	07/14/2016	05:47
	MB 460-378974/7	D23808.D	07/14/2016	07:38
	LB3 460-378784/1-A	D23809.D	07/14/2016	08:02
W108-SB-3(0-2)	460-116858-9	D23818.D	07/14/2016	11:42
W108-SB-4(0-2)	460-116858-10	D23819.D	07/14/2016	12:06
W108-SB-1(0-2)	460-116858-12	D23820.D	07/14/2016	12:31
W108-SB-3(0-2) MS	460-116858-9 MS	D23821.D	07/14/2016	12:56
W108-SB-3(0-2) MSD	460-116858-9 MSD	D23822.D	07/14/2016	13:20

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23832.D BFB Injection Date: 07/14/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 19:38  
 Analysis Batch No.: 379152

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.9	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	86.8	
175	5.0 - 9.0 % of mass 174	6.4	(7.4) 1
176	95.0 - 101.0 % of mass 174	85.7	(98.8) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379152/2	D23833.D	07/14/2016	20:00
	LCS 460-379152/3	D23834.D	07/14/2016	20:24
	LCSD 460-379152/4	D23835.D	07/14/2016	20:49
	MB 460-379152/7	D23838.D	07/14/2016	22:03
W108-SB-5(8-10)	460-116858-2	D23852.D	07/15/2016	03:45
W108-SB-5(0-2)	460-116858-1	D23853.D	07/15/2016	04:09
W108-SB-X(3-4)	460-116858-7	D23854.D	07/15/2016	04:34
W108-SB-1(5-7)	460-116858-13	D23855.D	07/15/2016	04:58

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23897.D BFB Injection Date: 07/16/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 05:03  
 Analysis Batch No.: 379412

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.5	
175	5.0 - 9.0 % of mass 174	7.1	(7.8) 1
176	95.0 - 101.0 % of mass 174	89.2	(98.5) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379412/2	D23898.D	07/16/2016	05:29
	LCS 460-379412/3	D23899.D	07/16/2016	05:54
	LCSD 460-379412/4	D23900.D	07/16/2016	06:19
	MB 460-379412/7	D23903.D	07/16/2016	07:48
W108-SB-12 (0-2)	460-116807-1	D23904.D	07/16/2016	08:13

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23925.D BFB Injection Date: 07/17/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 06:00  
 Analysis Batch No.: 379471

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.6	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	90.1	
175	5.0 - 9.0 % of mass 174	6.9	(7.7) 1
176	95.0 - 101.0 % of mass 174	86.5	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379471/2	D23926.D	07/17/2016	06:23
	LCS 460-379471/3	D23927.D	07/17/2016	07:13
	MB 460-379471/7	D23931.D	07/17/2016	09:04
	LB3 460-379235/1-A	D23932.D	07/17/2016	09:29
W108-SB-15(0-2)	460-116994-8	D23933.D	07/17/2016	09:54
W108-SB-13(0-2)	460-116994-1	D23934.D	07/17/2016	10:19
W108-SB-14(0-2)	460-116994-2	D23935.D	07/17/2016	10:43
W108-SB-Y	460-116994-3	D23936.D	07/17/2016	11:08
W108-SB-11(0-2)	460-116994-6	D23939.D	07/17/2016	12:22
W108-SB-12B(2-4)	460-116994-7	D23940.D	07/17/2016	12:46
W108-SB-15(0-2) MS	460-116994-8 MS	D23941.D	07/17/2016	13:11
W108-SB-15(0-2) MSD	460-116994-8 MSD	D23942.D	07/17/2016	13:35

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D23955.D BFB Injection Date: 07/18/2016  
 Instrument ID: CVOAMS4 BFB Injection Time: 06:02  
 Analysis Batch No.: 379524

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.3	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	94.0	
175	5.0 - 9.0 % of mass 174	7.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	91.7	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379524/3	D23957.D	07/18/2016	06:47
	LCS 460-379524/4	D23958.D	07/18/2016	07:21
	LCSD 460-379524/5	D23959.D	07/18/2016	07:45
	MB 460-379524/8	D23962.D	07/18/2016	08:59
W108-SB-12C(0-2)	460-116994-4	D23972.D	07/18/2016	13:05
W108-SB-12B(0-2)	460-116994-5	D23973.D	07/18/2016	13:29

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E56273.D BFB Injection Date: 06/22/2016  
 Instrument ID: CVOAMS5 BFB Injection Time: 07:53  
 Analysis Batch No.: 375234

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.0	
75	30.0 - 60.0 % of mass 95	44.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.7	(1.0) 1
174	50.0 - 120.00 % of mass 95	72.2	
175	5.0 - 9.0 % of mass 174	5.2	(7.2) 1
176	95.0 - 101.0 % of mass 174	69.5	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-375234/2	E56274.D	06/22/2016	08:20
	STD1 460-375234/3	E56275.D	06/22/2016	08:47
	STD5 460-375234/4	E56276.D	06/22/2016	09:14
	STD20 460-375234/5	E56277.D	06/22/2016	09:41
	STD50 460-375234/6	E56278.D	06/22/2016	10:09
	STD200 460-375234/7	E56279.D	06/22/2016	10:36
	STD500 460-375234/8	E56280.D	06/22/2016	11:03

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E57308.D BFB Injection Date: 07/15/2016  
 Instrument ID: CVOAMS5 BFB Injection Time: 21:29  
 Analysis Batch No.: 379337

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.7
75	30.0 - 60.0 % of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.4 (0.6) 1
174	50.0 - 120.00 % of mass 95	65.4
175	5.0 - 9.0 % of mass 174	5.7 (8.8) 1
176	95.0 - 101.0 % of mass 174	65.2 (99.7) 1
177	5.0 - 9.0 % of mass 176	4.2 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379337/2	E57309.D	07/15/2016	21:52
	LCS 460-379337/3	E57310.D	07/15/2016	22:19
	LCSD 460-379337/4	E57311.D	07/15/2016	22:46
	MB 460-379337/7	E57314.D	07/16/2016	00:07
FB20160712	460-116858-5	E57320.D	07/16/2016	05:16
FB20160714	460-116994-10	E57322.D	07/16/2016	06:10

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E57327.D BFB Injection Date: 07/16/2016  
 Instrument ID: CVOAMS5 BFB Injection Time: 09:22  
 Analysis Batch No.: 379422

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	47.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.5	(0.8) 1
174	50.0 - 120.00 % of mass 95	60.9	
175	5.0 - 9.0 % of mass 174	5.1	(8.3) 1
176	95.0 - 101.0 % of mass 174	59.5	(97.8) 1
177	5.0 - 9.0 % of mass 176	3.9	(6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379422/2	E57328.D	07/16/2016	09:49
	LCS 460-379422/3	E57329.D	07/16/2016	10:27
	MB 460-379422/7	E57333.D	07/16/2016	12:15
TB20160712	460-116858-4	E57334.D	07/16/2016	12:42
	460-116741-B-1 MS	E57342.D	07/16/2016	16:18
	460-116741-B-1 MSD	E57343.D	07/16/2016	16:45

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: J42494.D BFB Injection Date: 06/28/2016  
 Instrument ID: CVOAMS8 BFB Injection Time: 21:08  
 Analysis Batch No.: 376420

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.8
75	30.0 - 60.0 % of mass 95	52.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.3
173	Less than 2.0 % of mass 174	1.3 (1.5) 1
174	50.0 - 120.00 % of mass 95	87.3
175	5.0 - 9.0 % of mass 174	7.3 (8.4) 1
176	95.0 - 101.0 % of mass 174	87.9 (100.7) 1
177	5.0 - 9.0 % of mass 176	4.8 (5.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-376420/2	J42495.D	06/28/2016	21:36
	STD1 460-376420/3	J42496.D	06/28/2016	22:03
	STD5 460-376420/4	J42497.D	06/28/2016	22:29
	STD20 460-376420/5	J42498.D	06/28/2016	22:56
	STD50 460-376420/6	J42499.D	06/28/2016	23:22
	STD200 460-376420/7	J42500.D	06/28/2016	23:52
	STD500 460-376420/8	J42501.D	06/29/2016	00:18

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: J43609.D BFB Injection Date: 07/22/2016  
 Instrument ID: CVOAMS8 BFB Injection Time: 08:59  
 Analysis Batch No.: 380463

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.6
75	30.0 - 60.0 % of mass 95	50.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.4 (0.5) 1
174	50.0 - 120.00 % of mass 95	82.6
175	5.0 - 9.0 % of mass 174	6.1 (7.4) 1
176	95.0 - 101.0 % of mass 174	80.2 (97.2) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-380463/2	J43610.D	07/22/2016	09:31
	LCS 460-380463/3	J43611.D	07/22/2016	09:57
	MB 460-380463/7	J43615.D	07/22/2016	11:40
TB20160714	460-117248-1	J43616.D	07/22/2016	12:06
	460-117128-C-3 MS	J43626.D	07/22/2016	16:25
	460-117128-C-3 MSD	J43627.D	07/22/2016	16:51

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: K55764.D BFB Injection Date: 07/13/2016  
 Instrument ID: CVOAMS9 BFB Injection Time: 13:13  
 Analysis Batch No.: 378847

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.5	(0.5) 1
174	50.0 - 120.00 % of mass 95	101.3	
175	5.0 - 9.0 % of mass 174	7.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	96.8	(95.5) 1
177	5.0 - 9.0 % of mass 176	6.8	(7.0) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 460-378847/3	K55766.D	07/13/2016	14:03
	STD20 460-378847/5	K55768.D	07/13/2016	14:55
	STD50 460-378847/6	K55769.D	07/13/2016	15:22
	STD200 460-378847/7	K55770.D	07/13/2016	15:48
	STD500 460-378847/8	K55771.D	07/13/2016	16:14
	STD5 460-378847/14	K55777.D	07/13/2016	19:37

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: K55786.D BFB Injection Date: 07/14/2016  
 Instrument ID: CVOAMS9 BFB Injection Time: 04:58  
 Analysis Batch No.: 378976

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.9
75	30.0 - 60.0 % of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.6 (0.5) 1
174	50.0 - 120.00 % of mass 95	106.2
175	5.0 - 9.0 % of mass 174	7.3 (6.9) 1
176	95.0 - 101.0 % of mass 174	103.5 (97.4) 1
177	5.0 - 9.0 % of mass 176	6.3 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-378976/2	K55787.D	07/14/2016	05:26
	LCS 460-378976/3	K55788.D	07/14/2016	05:52
	LCSD 460-378976/4	K55789.D	07/14/2016	06:18
	MB 460-378976/7	K55792.D	07/14/2016	07:54
	LB3 460-378935/1-A	K55811.D	07/14/2016	16:41

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: K55812.D BFB Injection Date: 07/14/2016  
 Instrument ID: CVOAMS9 BFB Injection Time: 17:12  
 Analysis Batch No.: 379129

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.8
75	30.0 - 60.0 % of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	1.4 (1.5) 1
174	50.0 - 120.00 % of mass 95	95.5
175	5.0 - 9.0 % of mass 174	5.8 (6.1) 1
176	95.0 - 101.0 % of mass 174	95.6 (100.2) 1
177	5.0 - 9.0 % of mass 176	6.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-379129/2	K55813.D	07/14/2016	17:42
	LCS 460-379129/3	K55814.D	07/14/2016	18:08
	LCSD 460-379129/4	K55815.D	07/14/2016	18:33
	MB 460-379129/7	K55818.D	07/14/2016	19:51
W108-SB-7 (0-2)	460-116922-1	K55830.D	07/15/2016	01:06
W108-SB-9 (0-2)	460-116922-2	K55831.D	07/15/2016	01:33
W108-SB-8 (0-2)	460-116922-3	K55832.D	07/15/2016	01:59
W108-SB-10 (0-2)	460-116922-4	K55833.D	07/15/2016	02:25
W108-SB-6 (0-2)	460-116922-5	K55834.D	07/15/2016	02:52

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379053/2 Date Analyzed: 07/14/2016 12:13  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02796.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	379197	2.57	520331	3.60	660270	4.74	
UPPER LIMIT	758394	3.07	1040662	4.10	1320540	5.24	
LOWER LIMIT	189599	2.07	260166	3.10	330135	4.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379053/3	450396	2.58	583106	3.60	684495	4.74	
MB 460-379053/8	506446	2.57	555796	3.60	655263	4.73	
460-116581-A-13-A MS	489336	2.57	580227	3.60	648981	4.74	
460-116581-A-13-A MSD	473382	2.56	550940	3.58	626115	4.73	
460-116858-6	W108-SB-2-(0-2)	468839	2.58	511527	3.60	644217	4.73

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379053/2 Date Analyzed: 07/14/2016 12:13  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02796.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	DXE		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	19725	5.54	469362	8.18	250347	10.08
UPPER LIMIT	39450	6.04	938724	8.68	500694	10.58
LOWER LIMIT	9863	5.04	234681	7.68	125174	9.58
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-379053/3	32895	5.54	480362	8.18	251721	10.08
MB 460-379053/8	37031	5.54	481910	8.18	256050	10.08
460-116581-A-13-A MS	35493	5.54	463686	8.18	249704	10.08
460-116581-A-13-A MSD	35262	5.53	431362	8.18	239069	10.08
460-116858-6	32844	5.54	440545	8.18	237744	10.08

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379154/2 Date Analyzed: 07/15/2016 00:59  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02827.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	400462	2.55	502203	3.59	642981	4.73	
UPPER LIMIT	800924	3.05	1004406	4.09	1285962	5.23	
LOWER LIMIT	200231	2.05	251102	3.09	321491	4.23	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379154/3	446573	2.55	550823	3.59	620360	4.73	
LCSD 460-379154/4	457278	2.55	549281	3.59	606440	4.73	
MB 460-379154/7	458760	2.57	495392	3.59	595682	4.73	
460-116858-8	W108-SB-2 (3-4)	423667	2.58	464617	3.60	605893	4.73

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379154/2 Date Analyzed: 07/15/2016 00:59  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02827.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	32342	5.53	441001	8.18	245046	10.08	
UPPER LIMIT	64684	6.03	882002	8.68	490092	10.58	
LOWER LIMIT	16171	5.03	220501	7.68	122523	9.58	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379154/3	34705	5.53	446307	8.18	246763	10.08	
LCSD 460-379154/4	35416	5.52	436694	8.18	241801	10.08	
MB 460-379154/7	32471	5.53	414093	8.18	229521	10.08	
460-116858-8	W108-SB-2(3-4)	31971	5.54	424874	8.18	239891	10.08

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379260/3 Date Analyzed: 07/15/2016 13:19  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02854.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	482499	2.56	612873	3.59	722280	4.73	
UPPER LIMIT	964998	3.06	1225746	4.09	1444560	5.23	
LOWER LIMIT	241250	2.06	306437	3.09	361140	4.23	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379260/5	530744	2.57	643177	3.59	737055	4.73	
MB 460-379260/9	543328	2.56	592916	3.60	732291	4.73	
460-116858-11	W108-SB-4(5-7)	534853	2.58	604646	3.60	759206	4.74
460-116771-B-1-A MS		518933	2.58	629444	3.60	713371	4.73
460-116771-B-1-A MSD		523316	2.57	619049	3.60	698760	4.73

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379260/3 Date Analyzed: 07/15/2016 13:19  
 Instrument ID: CVOAMS2 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): B02854.D Heated Purge: (Y/N) N  
 Calibration ID: 56739

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	36849	5.53	529536	8.18	283809	10.08	
UPPER LIMIT	73698	6.03	1059072	8.68	567618	10.58	
LOWER LIMIT	18425	5.03	264768	7.68	141905	9.58	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379260/5	42869	5.52	538933	8.18	296400	10.08	
MB 460-379260/9	37440	5.53	522366	8.18	276917	10.08	
460-116858-11	W108-SB-4(5-7)	34124	5.54	510788	8.18	267008	10.08
460-116771-B-1-A MS		36678	5.53	483280	8.18	257683	10.08
460-116771-B-1-A MSD		41102	5.52	489596	8.18	262703	10.08

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-378974/2 Date Analyzed: 07/14/2016 05:23  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23803.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	454266	3.61	360533	4.91	667995	6.24	
UPPER LIMIT	908532	4.11	721066	5.41	1335990	6.74	
LOWER LIMIT	227133	3.11	180267	4.41	333998	5.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-378974/3	420572	3.61	337198	4.91	657885	6.24	
MB 460-378974/7	380242	3.61	305330	4.91	620969	6.24	
LB3 460-378784/1-A	377352	3.62	311524	4.91	634151	6.25	
460-116858-9	W108-SB-3(0-2)	336222	3.61	258531	4.91	574469	6.24
460-116858-10	W108-SB-4(0-2)	373292	3.61	298191	4.91	594811	6.24
460-116858-12	W108-SB-1(0-2)	380763	3.61	292891	4.90	575995	6.24
460-116858-9 MS	W108-SB-3(0-2) MS	365032	3.62	290225	4.91	619999	6.24
460-116858-9 MSD	W108-SB-3(0-2) MSD	343719	3.61	269579	4.91	627796	6.24

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-378974/2 Date Analyzed: 07/14/2016 05:23  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23803.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	35193	7.08	525208	9.30	301088	11.06	
UPPER LIMIT	70386	7.58	1050416	9.80	602176	11.56	
LOWER LIMIT	17597	6.58	262604	8.80	150544	10.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-378974/3	32150	7.08	515239	9.30	295435	11.06	
MB 460-378974/7	25040	7.07	473524	9.30	277088	11.06	
LB3 460-378784/1-A	23844	7.08	490959	9.30	286822	11.06	
460-116858-9	W108-SB-3(0-2)	21215	7.08	439493	9.30	257580	11.06
460-116858-10	W108-SB-4(0-2)	24578	7.07	479389	9.30	286568	11.06
460-116858-12	W108-SB-1(0-2)	29198	7.07	448058	9.30	271910	11.06
460-116858-9 MS	W108-SB-3(0-2) MS	26446	7.08	493741	9.30	283649	11.06
460-116858-9 MSD	W108-SB-3(0-2) MSD	26939	7.08	500015	9.30	287184	11.06

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379152/2 Date Analyzed: 07/14/2016 20:00  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23833.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	356688	3.61	287768	4.90	590828	6.24	
UPPER LIMIT	713376	4.11	575536	5.40	1181656	6.74	
LOWER LIMIT	178344	3.11	143884	4.40	295414	5.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379152/3	376827	3.61	296030	4.91	612583	6.24	
LCSD 460-379152/4	375598	3.60	291445	4.90	594404	6.24	
MB 460-379152/7	348772	3.61	273088	4.90	573333	6.24	
460-116858-2	W108-SB-5(8-10)	350512	3.61	253521	4.91	549865	6.24
460-116858-1	W108-SB-5(0-2)	322403	3.61	241972	4.90	542285	6.24
460-116858-7	W108-SB-X(3-4)	343105	3.61	264641	4.90	577713	6.24
460-116858-13	W108-SB-1(5-7)	274972	3.61	212169	4.89	455477	6.24

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379152/2 Date Analyzed: 07/14/2016 20:00  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23833.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	29017	7.07	481904	9.30	278178	11.06	
UPPER LIMIT	58034	7.57	963808	9.80	556356	11.56	
LOWER LIMIT	14509	6.57	240952	8.80	139089	10.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379152/3	31218	7.08	493671	9.30	289289	11.06	
LCSD 460-379152/4	30553	7.08	477200	9.30	279776	11.06	
MB 460-379152/7	25860	7.07	449405	9.30	270885	11.06	
460-116858-2	W108-SB-5(8-10)	25994	7.07	449078	9.30	274438	11.06
460-116858-1	W108-SB-5(0-2)	21772	7.07	432707	9.30	262386	11.06
460-116858-7	W108-SB-X(3-4)	31576	7.08	446586	9.30	278150	11.06
460-116858-13	W108-SB-1(5-7)	22879	7.07	347371	9.30	147130	11.06

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379412/2 Date Analyzed: 07/16/2016 05:29  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23898.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	361149	3.61	260593	4.90	550678	6.23	
UPPER LIMIT	722298	4.11	521186	5.40	1101356	6.73	
LOWER LIMIT	180575	3.11	130297	4.40	275339	5.73	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379412/3	343080	3.61	262413	4.90	568627	6.24	
LCSD 460-379412/4	334792	3.61	256582	4.90	557999	6.24	
MB 460-379412/7	306300	3.61	240504	4.91	549403	6.24	
460-116807-1	W108-SB-12 (0-2)	331775	3.61	246353	4.91	546432	6.24

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379412/2 Date Analyzed: 07/16/2016 05:29  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23898.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	DXE		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	28319	7.08	455889	9.29	274538	11.06
UPPER LIMIT	56638	7.58	911778	9.79	549076	11.56
LOWER LIMIT	14160	6.58	227945	8.79	137269	10.56
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-379412/3	27656	7.08	468874	9.29	277205	11.06
LCSD 460-379412/4	26555	7.08	460150	9.30	275673	11.06
MB 460-379412/7	19648	7.08	447194	9.30	272352	11.06
460-116807-1	24438	7.07	436793	9.29	257889	11.06

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379471/2 Date Analyzed: 07/17/2016 06:23  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23926.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	TBAd9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	357397	3.61	256263	4.90	582259	6.24	
UPPER LIMIT	714794	4.11	512526	5.40	1164518	6.74	
LOWER LIMIT	178699	3.11	128132	4.40	291130	5.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379471/3		324514	3.61	237361	4.90	543840	6.24
MB 460-379471/7		296279	3.61	214779	4.90	518479	6.24
LB3 460-379235/1-A		283464	3.61	210352	4.90	521848	6.24
460-116994-8	W108-SB-15(0-2)	293702	3.61	219092	4.90	506456	6.24
460-116994-1	W108-SB-13(0-2)	323965	3.61	235720	4.91	533048	6.24
460-116994-2	W108-SB-14(0-2)	310568	3.60	224070	4.90	525091	6.24
460-116994-3	W108-SB-Y	308528	3.61	223718	4.90	524710	6.24
460-116994-6	W108-SB-11(0-2)	342416	3.61	252322	4.91	547273	6.24
460-116994-7	W108-SB-12B(2-4)	336195	3.61	247480	4.90	570687	6.24
460-116994-8 MS	W108-SB-15(0-2) MS	335277	3.60	247133	4.90	551655	6.24
460-116994-8 MSD	W108-SB-15(0-2) MSD	332568	3.61	248920	4.90	543023	6.24

TBAd9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379471/2 Date Analyzed: 07/17/2016 06:23  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23926.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	28749	7.08	491407	9.30	293814	11.06	
UPPER LIMIT	57498	7.58	982814	9.80	587628	11.56	
LOWER LIMIT	14375	6.58	245704	8.80	146907	10.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379471/3	26611	7.07	455957	9.30	274137	11.06	
MB 460-379471/7	22344	7.06	430753	9.29	265773	11.06	
LB3 460-379235/1-A	21200	7.07	432235	9.29	263482	11.06	
460-116994-8	W108-SB-15(0-2)	21404	7.07	416583	9.29	256804	11.06
460-116994-1	W108-SB-13(0-2)	24597	7.07	442819	9.30	276131	11.06
460-116994-2	W108-SB-14(0-2)	22829	7.07	438796	9.30	268185	11.06
460-116994-3	W108-SB-Y	23329	7.08	462837	9.30	280726	11.06
460-116994-6	W108-SB-11(0-2)	25153	7.08	433685	9.30	249574	11.06
460-116994-7	W108-SB-12B(2-4)	25798	7.08	477815	9.30	285427	11.06
460-116994-8 MS	W108-SB-15(0-2) MS	27410	7.07	462096	9.30	277819	11.06
460-116994-8 MSD	W108-SB-15(0-2) MSD	25256	7.07	452624	9.30	271046	11.06

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379524/3 Date Analyzed: 07/18/2016 06:47  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23957.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	352315	3.61	278907	4.90	633995	6.24	
UPPER LIMIT	704630	4.11	557814	5.40	1267990	6.74	
LOWER LIMIT	176158	3.11	139454	4.40	316998	5.74	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379524/4	382027	3.61	283362	4.91	617834	6.24	
LCSD 460-379524/5	351085	3.61	277981	4.90	636933	6.24	
MB 460-379524/8	284121	3.61	237607	4.90	605512	6.24	
460-116994-4	W108-SB-12C (0-2)	341769	3.61	273162	4.91	601875	6.24
460-116994-5	W108-SB-12B (0-2)	350356	3.61	271347	4.90	617299	6.24

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379524/3 Date Analyzed: 07/18/2016 06:47  
 Instrument ID: CVOAMS4 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): D23957.D Heated Purge: (Y/N) Y  
 Calibration ID: 56146

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	27877	7.08	487580	9.30	284390	11.06	
UPPER LIMIT	55754	7.58	975160	9.80	568780	11.56	
LOWER LIMIT	13939	6.58	243790	8.80	142195	10.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379524/4	29906	7.08	486950	9.29	290580	11.06	
LCSD 460-379524/5	28198	7.06	501484	9.30	296355	11.06	
MB 460-379524/8	18776	7.07	463410	9.30	278112	11.06	
460-116994-4	W108-SB-12C(0-2)	24915	7.08	437497	9.30	247274	11.06
460-116994-5	W108-SB-12B(0-2)	25209	7.07	459432	9.30	257885	11.06

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379337/2 Date Analyzed: 07/15/2016 21:52  
 Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)  
 Lab File ID (Standard): E57309.D Heated Purge: (Y/N) N  
 Calibration ID: 56415

	TBA <sub>d9</sub>		BUT		FB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	298730	1.88	363184	2.83	614901	3.39
UPPER LIMIT	597460	2.38	726368	3.33	1229802	3.89
LOWER LIMIT	149365	1.38	181592	2.33	307451	2.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-379337/3	284753	1.88	336856	2.83	551843	3.39
LCSD 460-379337/4	327315	1.88	387267	2.83	633547	3.39
MB 460-379337/7	315670	1.87	372087	2.83	617995	3.39
460-116858-5	FB20160712	289410	371919	2.83	591653	3.38
460-116994-10	FB20160714	241102	299008	2.83	528473	3.39

TBA<sub>d9</sub> = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379337/2 Date Analyzed: 07/15/2016 21:52  
 Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)  
 Lab File ID (Standard): E57309.D Heated Purge: (Y/N) N  
 Calibration ID: 56415

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	35102	4.23	499301	6.69	273578	10.17	
UPPER LIMIT	70204	4.73	998602	7.19	547156	10.67	
LOWER LIMIT	17551	3.73	249651	6.19	136789	9.67	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379337/3		32491	4.23	447687	6.69	242680	10.17
LCSD 460-379337/4		37468	4.24	516920	6.69	281757	10.17
MB 460-379337/7		33532	4.22	498998	6.69	258076	10.17
460-116858-5	FB20160712	30087	4.22	445501	6.68	201377	10.17
460-116994-10	FB20160714	26105	4.22	432814	6.69	215519	10.17

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379422/2 Date Analyzed: 07/16/2016 09:49  
 Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)  
 Lab File ID (Standard): E57328.D Heated Purge: (Y/N) N  
 Calibration ID: 56415

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	269762	1.88	336166	2.83	593738	3.39	
UPPER LIMIT	539524	2.38	672332	3.33	1187476	3.89	
LOWER LIMIT	134881	1.38	168083	2.33	296869	2.89	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379422/3		391832	1.88	479901	2.83	816918	3.39
MB 460-379422/7		448117	1.88	518299	2.83	842562	3.39
460-116858-4	TB20160712	430739	1.88	505580	2.83	833760	3.39
460-116741-B-1 MS		396175	1.88	490407	2.83	799044	3.39
460-116741-B-1 MSD		399454	1.87	494135	2.83	812872	3.39

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379422/2 Date Analyzed: 07/16/2016 09:49  
 Instrument ID: CVOAMS5 GC Column: Rtx-VMS ID: 0.18 (mm)  
 Lab File ID (Standard): E57328.D Heated Purge: (Y/N) N  
 Calibration ID: 56415

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	30992	4.23	487807	6.69	268975	10.17	
UPPER LIMIT	61984	4.73	975614	7.19	537950	10.67	
LOWER LIMIT	15496	3.73	243904	6.19	134488	9.67	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379422/3	45092	4.23	674579	6.69	366246	10.17	
MB 460-379422/7	47429	4.23	686797	6.69	356385	10.17	
460-116858-4	TB20160712	47404	4.22	687175	6.69	353166	10.17
460-116741-B-1 MS		45536	4.22	660655	6.69	356161	10.17
460-116741-B-1 MSD		44458	4.22	670623	6.69	363654	10.17

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-380463/2 Date Analyzed: 07/22/2016 09:31  
 Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): J43610.D Heated Purge: (Y/N) N  
 Calibration ID: 56533

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	274445	2.88	407547	4.23	865455	5.53	
UPPER LIMIT	548890	3.38	815094	4.73	1730910	6.03	
LOWER LIMIT	137223	2.38	203774	3.73	432728	5.03	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-380463/3	292083	2.88	418492	4.23	851383	5.53	
MB 460-380463/7	291061	2.88	411494	4.23	822156	5.54	
460-117248-1	TB20160714	285539	2.89	386897	4.24	796593	5.54
460-117128-C-3 MS		299394	2.89	436719	4.24	814439	5.54
460-117128-C-3 MSD		315642	2.89	452372	4.24	809990	5.54

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-380463/2 Date Analyzed: 07/22/2016 09:31  
 Instrument ID: CVOAMS8 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): J43610.D Heated Purge: (Y/N) N  
 Calibration ID: 56533

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	37236	6.35	672197	9.36	370271	11.42	
UPPER LIMIT	74472	6.85	1344394	9.86	740542	11.92	
LOWER LIMIT	18618	5.85	336099	8.86	185136	10.92	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-380463/3	35846	6.34	688561	9.36	358202	11.42	
MB 460-380463/7	36914	6.35	645678	9.36	336647	11.42	
460-117248-1	TB20160714	36424	6.35	627290	9.37	328268	11.42
460-117128-C-3 MS		39275	6.35	652516	9.37	350812	11.45
460-117128-C-3 MSD		36317	6.36	660706	9.37	352940	11.43

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-378976/2 Date Analyzed: 07/14/2016 05:26  
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): K55787.D Heated Purge: (Y/N) Y  
 Calibration ID: 56755

	TBA <sub>d</sub> 9		BUT		FB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	367227	3.48	273200	4.60	573952	5.74
UPPER LIMIT	734454	3.98	546400	5.10	1147904	6.24
LOWER LIMIT	183614	2.98	136600	4.10	286976	5.24
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-378976/3	366525	3.50	255904	4.60	574695	5.74
LCSD 460-378976/4	370471	3.51	258543	4.60	573812	5.74
MB 460-378976/7	330703	3.49	242706	4.60	535745	5.74
LB3 460-378935/1-A	299205	3.48	220878	4.59	496689	5.74

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-378976/2 Date Analyzed: 07/14/2016 05:26  
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): K55787.D Heated Purge: (Y/N) Y  
 Calibration ID: 56755

	DXE		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	33668	6.45	507959	9.25	308575	11.65
UPPER LIMIT	67336	6.95	1015918	9.75	617150	12.15
LOWER LIMIT	16834	5.95	253980	8.75	154288	11.15
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-378976/3	31489	6.44	503225	9.25	303810	11.65
LCSD 460-378976/4	32178	6.46	503552	9.25	304245	11.65
MB 460-378976/7	27277	6.44	462038	9.25	277179	11.65
LB3 460-378935/1-A	25060	6.45	452379	9.25	273990	11.65

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379129/2 Date Analyzed: 07/14/2016 17:42  
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): K55813.D Heated Purge: (Y/N) Y  
 Calibration ID: 56755

	TBA <sub>d</sub> 9		BUT		FB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	294762	3.48	223250	4.60	525712	5.74	
UPPER LIMIT	589524	3.98	446500	5.10	1051424	6.24	
LOWER LIMIT	147381	2.98	111625	4.10	262856	5.24	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379129/3		297335	3.46	214084	4.59	521524	5.73
LCSD 460-379129/4		298870	3.48	214596	4.60	521282	5.74
MB 460-379129/7		253390	3.47	198215	4.59	489928	5.73
460-116922-1	W108-SB-7 (0-2)	253593	3.49	192248	4.60	426379	5.74
460-116922-2	W108-SB-9 (0-2)	282066	3.49	220714	4.60	485036	5.74
460-116922-3	W108-SB-8 (0-2)	244564	3.49	202843	4.60	468569	5.74
460-116922-4	W108-SB-10 (0-2)	324518	3.48	238654	4.60	475769	5.74
460-116922-5	W108-SB-6 (0-2)	276168	3.48	220823	4.60	471641	5.74

TBA<sub>d</sub>9 = TBA-d9 (IS)  
 BUT = 2-Butanone-d5  
 FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 460-379129/2 Date Analyzed: 07/14/2016 17:42  
 Instrument ID: CVOAMS9 GC Column: Rtx-624 ID: 0.25 (mm)  
 Lab File ID (Standard): K55813.D Heated Purge: (Y/N) Y  
 Calibration ID: 56755

	DXE		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	28194	6.45	475570	9.25	292681	11.65	
UPPER LIMIT	56388	6.95	951140	9.75	585362	12.15	
LOWER LIMIT	14097	5.95	237785	8.75	146341	11.15	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-379129/3	30632	6.44	468402	9.24	289312	11.65	
LCSD 460-379129/4	29122	6.44	462653	9.25	283924	11.65	
MB 460-379129/7	22191	6.45	436125	9.25	255692	11.65	
460-116922-1	W108-SB-7 (0-2)	19450	6.46	377548	9.25	213283	11.65
460-116922-2	W108-SB-9 (0-2)	21853	6.45	436678	9.25	258606	11.65
460-116922-3	W108-SB-8 (0-2)	17090	6.45	419564	9.25	252318	11.65
460-116922-4	W108-SB-10 (0-2)	26899	6.45	431242	9.25	259593	11.65
460-116922-5	W108-SB-6 (0-2)	21540	6.45	416113	9.25	253157	11.65

DXE = 1,4-Dioxane-d8

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-12 (0-2) Lab Sample ID: 460-116807-1  
 Matrix: Solid Lab File ID: D23904.D  
 Analysis Method: 8260C Date Collected: 07/11/2016 11:25  
 Sample wt/vol: 4.52(g) Date Analyzed: 07/16/2016 08:13  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 15.0 Level: (low/med) Low  
 Analysis Batch No.: 379412 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.00049	U	0.0013	0.00049
79-34-5	1,1,2,2-Tetrachloroethane	0.00022	U	0.0013	0.00022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00057	U	0.0013	0.00057
79-00-5	1,1,2-Trichloroethane	0.00036	U	0.0013	0.00036
75-34-3	1,1-Dichloroethane	0.00044	U	0.0013	0.00044
75-35-4	1,1-Dichloroethene	0.00053	U	0.0013	0.00053
87-61-6	1,2,3-Trichlorobenzene	0.00014	U	0.0013	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00042	U	0.0013	0.00042
96-12-8	1,2-Dibromo-3-Chloropropane	0.00061	U	0.0013	0.00061
95-50-1	1,2-Dichlorobenzene	0.00018	U	0.0013	0.00018
107-06-2	1,2-Dichloroethane	0.00014	U	0.0013	0.00014
78-87-5	1,2-Dichloropropane	0.00022	U	0.0013	0.00022
541-73-1	1,3-Dichlorobenzene	0.00016	U	0.0013	0.00016
106-46-7	1,4-Dichlorobenzene	0.00017	U	0.0013	0.00017
123-91-1	1,4-Dioxane	0.0083	U	0.026	0.0083
78-93-3	2-Butanone (MEK)	0.0010	U	0.0065	0.0010
591-78-6	2-Hexanone	0.0012	U	0.0065	0.0012
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0029	U	0.0065	0.0029
67-64-1	Acetone	0.0014	U	0.0065	0.0014
71-43-2	Benzene	0.00026	U	0.0013	0.00026
75-27-4	Bromodichloromethane	0.00049	U	0.0013	0.00049
75-25-2	Bromoform	0.00017	U	0.0013	0.00017
74-83-9	Bromomethane	0.00042	U	0.0013	0.00042
75-15-0	Carbon disulfide	0.00056	U	0.0013	0.00056
56-23-5	Carbon tetrachloride	0.00056	U	0.0013	0.00056
108-90-7	Chlorobenzene	0.00018	U	0.0013	0.00018
74-97-5	Chlorobromomethane	0.00022	U	0.0013	0.00022
75-00-3	Chloroethane	0.00046	U	0.0013	0.00046
67-66-3	Chloroform	0.00027	U	0.0013	0.00027
74-87-3	Chloromethane	0.00049	U	0.0013	0.00049
156-59-2	cis-1,2-Dichloroethene	0.00029	U	0.0013	0.00029
10061-01-5	cis-1,3-Dichloropropene	0.00020	U	0.0013	0.00020
110-82-7	Cyclohexane	0.00060	U	0.0013	0.00060
124-48-1	Dibromochloromethane	0.00020	U	0.0013	0.00020
75-71-8	Dichlorodifluoromethane	0.00042	U *	0.0013	0.00042

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-12 (0-2) Lab Sample ID: 460-116807-1  
 Matrix: Solid Lab File ID: D23904.D  
 Analysis Method: 8260C Date Collected: 07/11/2016 11:25  
 Sample wt/vol: 4.52(g) Date Analyzed: 07/16/2016 08:13  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 15.0 Level: (low/med) Low  
 Analysis Batch No.: 379412 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.00023	U	0.0013	0.00023
106-93-4	Ethylene Dibromide	0.00016	U	0.0013	0.00016
98-82-8	Isopropylbenzene	0.00022	U	0.0013	0.00022
179601-23-1	m&p-Xylene	0.00014	U	0.0013	0.00014
79-20-9	Methyl acetate	0.0012	U	0.0065	0.0012
1634-04-4	Methyl tert-butyl ether	0.00022	U	0.0013	0.00022
108-87-2	Methylcyclohexane	0.00065	U	0.0013	0.00065
75-09-2	Methylene Chloride	0.00067	J B	0.0013	0.00042
95-47-6	o-Xylene	0.00021	U	0.0013	0.00021
100-42-5	Styrene	0.00020	U	0.0013	0.00020
127-18-4	Tetrachloroethene	0.00036	U	0.0013	0.00036
108-88-3	Toluene	0.00025	U	0.0013	0.00025
156-60-5	trans-1,2-Dichloroethene	0.00051	U	0.0013	0.00051
10061-02-6	trans-1,3-Dichloropropene	0.00013	U	0.0013	0.00013
79-01-6	Trichloroethene	0.00034	U	0.0013	0.00034
75-69-4	Trichlorofluoromethane	0.00044	U *	0.0013	0.00044
75-01-4	Vinyl chloride	0.00051	U	0.0013	0.00051
1330-20-7	Xylenes, Total	0.00014	U	0.0026	0.00014

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		78-135
460-00-4	4-Bromofluorobenzene	99		67-126
1868-53-7	Dibromofluoromethane (Surr)	101		61-149
2037-26-5	Toluene-d8 (Surr)	100		73-121

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160716-43359.b\D23904.D  
 Lims ID: 460-116807-C-1-A  
 Client ID: W108-SB-12 (0-2)  
 Sample Type: Client  
 Inject. Date: 16-Jul-2016 08:13:30 ALS Bottle#: 7 Worklist Smp#: 8  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116807-C-1-A  
 Misc. Info.: 460-0043359-008  
 Operator ID: Instrument ID: CVOAMS4  
 Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160716-43359.b\8260S\_4.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 18-Jul-2016 11:11:31 Calib Date: 15-Jun-2016 19:04:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160615-42196.b\D22648.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK052

First Level Reviewer: tupayachia Date: 17-Jul-2016 10:59:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
26 Methylene Chloride	84	3.589	3.589	0.000	29	1961	0.5159	
* 27 TBA-d9 (IS)	65	3.613	3.613	0.000	39	331775	1000.0	
* 38 2-Butanone-d5	46	4.906	4.900	0.006	0	246353	250.0	
\$ 51 Dibromofluoromethane (Surr	113	5.479	5.479	0.000	97	154440	50.3	
\$ 56 1,2-Dichloroethane-d4 (Sur	65	5.899	5.899	0.000	100	158996	51.5	
* 61 Fluorobenzene	96	6.235	6.235	0.000	98	546432	50.0	
* 67 1,4-Dioxane-d8	96	7.070	7.076	-0.006	0	24438	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.984	7.984	0.000	99	518851	49.9	
* 89 Chlorobenzene-d5	117	9.289	9.289	0.000	85	436793	50.0	
\$ 100 4-Bromofluorobenzene	174	10.222	10.222	0.000	97	191628	49.5	
* 116 1,4-Dichlorobenzene-d4	152	11.057	11.057	0.000	94	257889	50.0	

Reagents:

8260ISNEW\_00078 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00132 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160716-43359.b\D23904.D

Injection Date: 16-Jul-2016 08:13:30

Instrument ID: CVOAMS4

Operator ID:

Lims ID: 460-116807-C-1-A

Lab Sample ID: 460-116807-1

Worklist Smp#: 8

Client ID: W108-SB-12 (0-2)

Purge Vol: 5.000 mL

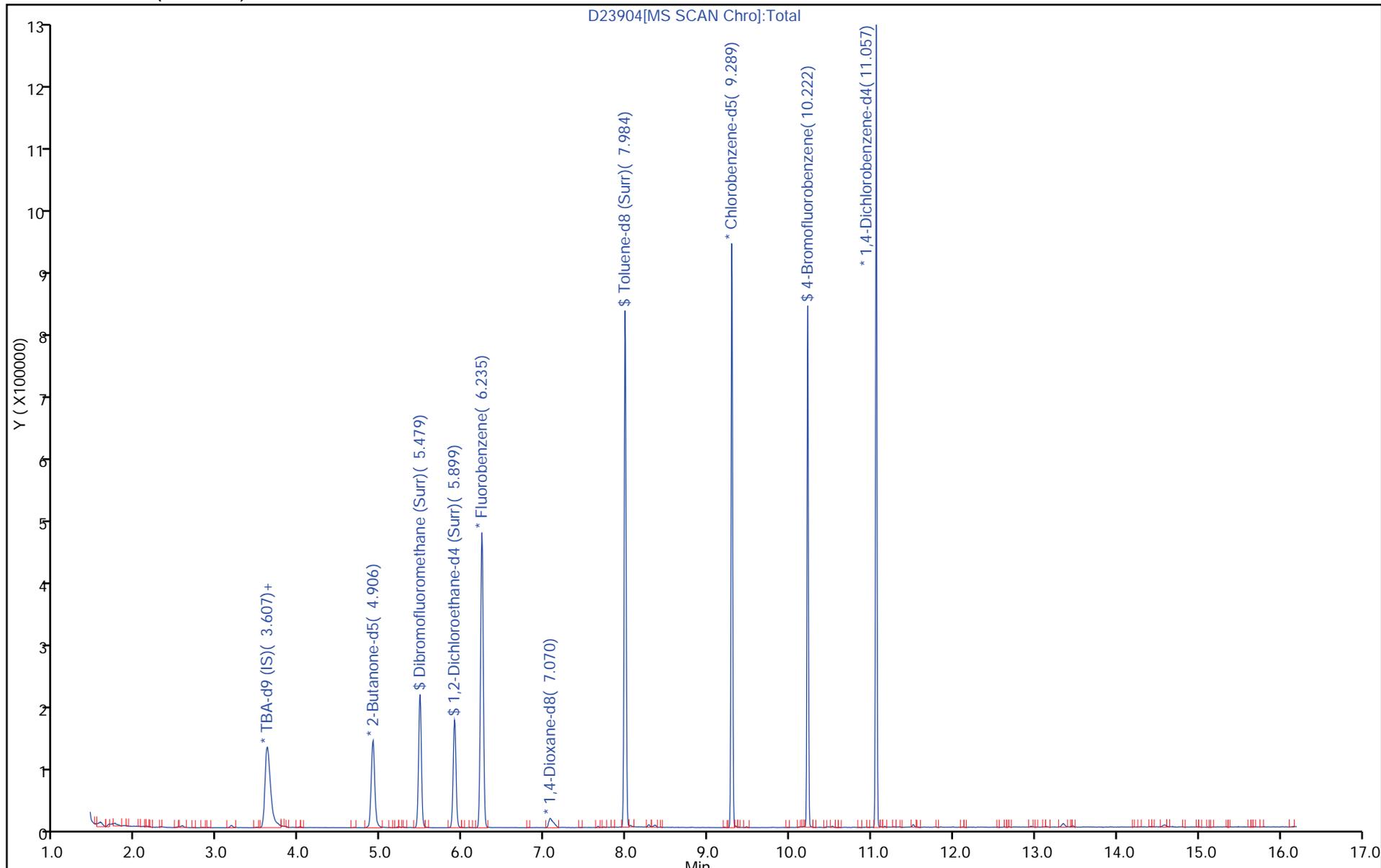
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160716-43359.b\D23904.D

Injection Date: 16-Jul-2016 08:13:30

Instrument ID: CVOAMS4

Lims ID: 460-116807-C-1-A

Lab Sample ID: 460-116807-1

Client ID: W108-SB-12 (0-2)

Operator ID:

ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

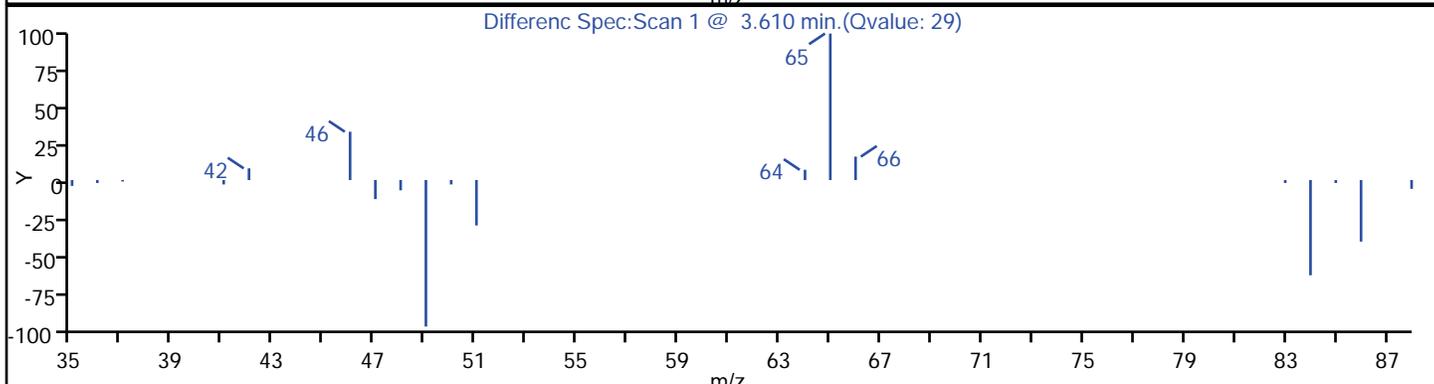
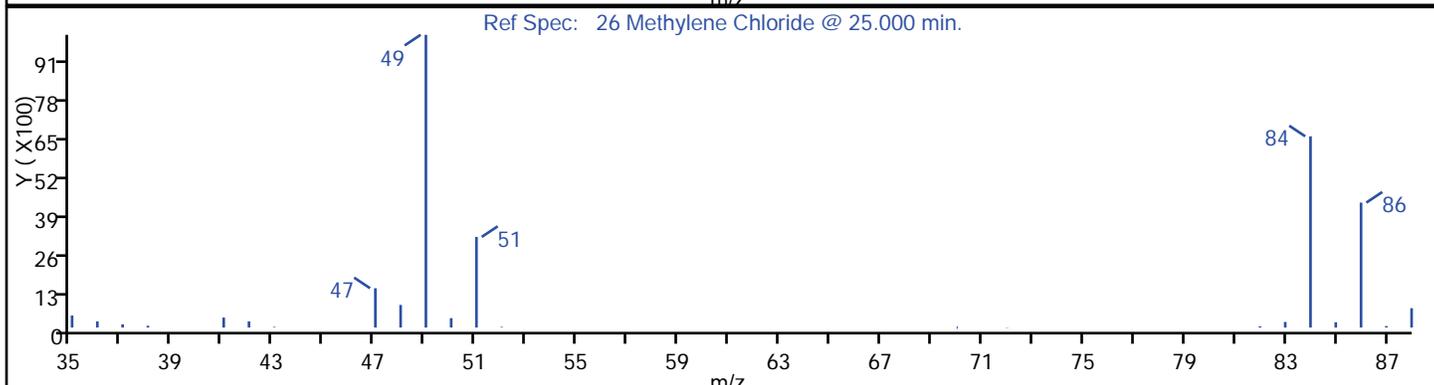
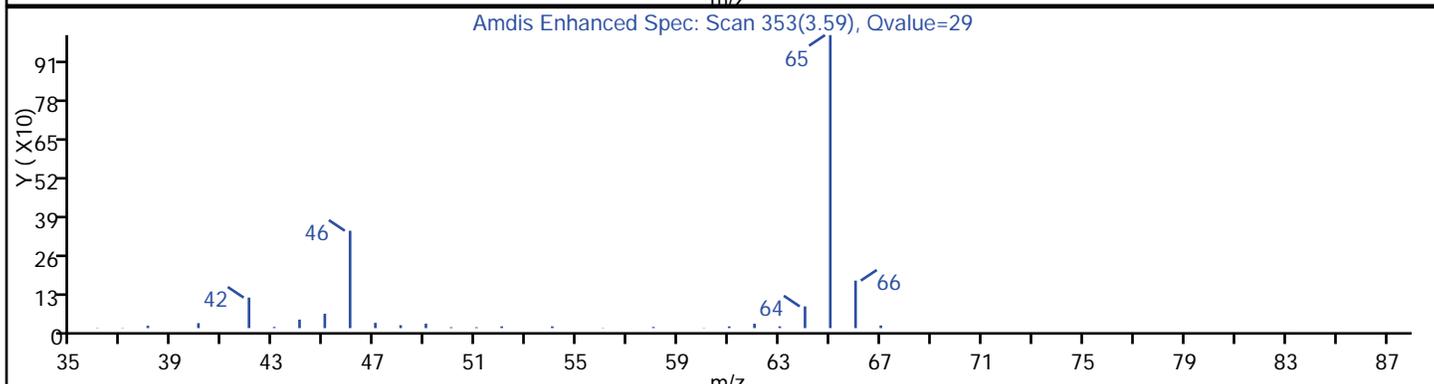
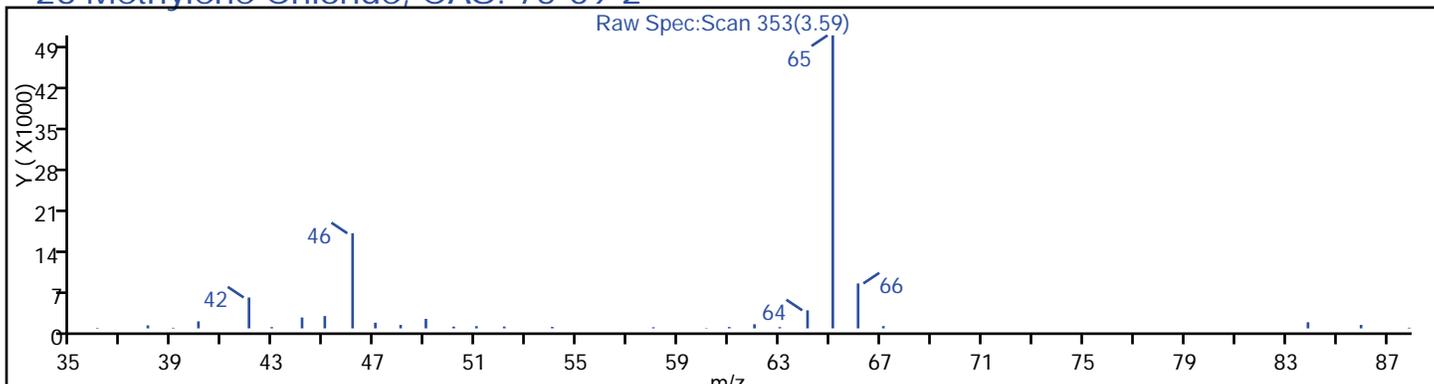
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

26 Methylene Chloride, CAS: 75-09-2



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5(0-2) Lab Sample ID: 460-116858-1  
 Matrix: Solid Lab File ID: D23853.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 11:55  
 Sample wt/vol: 4.52(g) Date Analyzed: 07/15/2016 04:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 10.7 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.00047	U	0.0012	0.00047
79-34-5	1,1,2,2-Tetrachloroethane	0.00021	U	0.0012	0.00021
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00054	U	0.0012	0.00054
79-00-5	1,1,2-Trichloroethane	0.00035	U	0.0012	0.00035
75-34-3	1,1-Dichloroethane	0.00042	U	0.0012	0.00042
75-35-4	1,1-Dichloroethene	0.00051	U	0.0012	0.00051
87-61-6	1,2,3-Trichlorobenzene	0.00014	U	0.0012	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00040	U	0.0012	0.00040
96-12-8	1,2-Dibromo-3-Chloropropane	0.00058	U	0.0012	0.00058
95-50-1	1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017
107-06-2	1,2-Dichloroethane	0.00014	U	0.0012	0.00014
78-87-5	1,2-Dichloropropane	0.00021	U	0.0012	0.00021
541-73-1	1,3-Dichlorobenzene	0.00015	U	0.0012	0.00015
106-46-7	1,4-Dichlorobenzene	0.00016	U	0.0012	0.00016
123-91-1	1,4-Dioxane	0.0079	U	0.025	0.0079
78-93-3	2-Butanone (MEK)	0.00095	U	0.0062	0.00095
591-78-6	2-Hexanone	0.0012	U	0.0062	0.0012
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0027	U	0.0062	0.0027
67-64-1	Acetone	0.0013	U	0.0062	0.0013
71-43-2	Benzene	0.00025	U	0.0012	0.00025
75-27-4	Bromodichloromethane	0.00047	U	0.0012	0.00047
75-25-2	Bromoform	0.00016	U	0.0012	0.00016
74-83-9	Bromomethane	0.00040	U	0.0012	0.00040
75-15-0	Carbon disulfide	0.00053	U	0.0012	0.00053
56-23-5	Carbon tetrachloride	0.00053	U	0.0012	0.00053
108-90-7	Chlorobenzene	0.00017	U	0.0012	0.00017
74-97-5	Chlorobromomethane	0.00021	U	0.0012	0.00021
75-00-3	Chloroethane	0.00043	U	0.0012	0.00043
67-66-3	Chloroform	0.00026	U	0.0012	0.00026
74-87-3	Chloromethane	0.00047	U	0.0012	0.00047
156-59-2	cis-1,2-Dichloroethene	0.00027	U	0.0012	0.00027
10061-01-5	cis-1,3-Dichloropropene	0.00019	U	0.0012	0.00019
110-82-7	Cyclohexane	0.00057	U	0.0012	0.00057
124-48-1	Dibromochloromethane	0.00019	U	0.0012	0.00019
75-71-8	Dichlorodifluoromethane	0.00040	U *	0.0012	0.00040

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5(0-2) Lab Sample ID: 460-116858-1  
 Matrix: Solid Lab File ID: D23853.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 11:55  
 Sample wt/vol: 4.52(g) Date Analyzed: 07/15/2016 04:09  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 10.7 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.00022	U	0.0012	0.00022
106-93-4	Ethylene Dibromide	0.00015	U	0.0012	0.00015
98-82-8	Isopropylbenzene	0.00021	U	0.0012	0.00021
179601-23-1	m&p-Xylene	0.00014	U	0.0012	0.00014
79-20-9	Methyl acetate	0.0011	U	0.0062	0.0011
1634-04-4	Methyl tert-butyl ether	0.00021	U	0.0012	0.00021
108-87-2	Methylcyclohexane	0.00062	U	0.0012	0.00062
75-09-2	Methylene Chloride	0.00040	U	0.0012	0.00040
95-47-6	o-Xylene	0.00020	U	0.0012	0.00020
100-42-5	Styrene	0.00019	U	0.0012	0.00019
127-18-4	Tetrachloroethene	0.00035	U	0.0012	0.00035
108-88-3	Toluene	0.00024	U	0.0012	0.00024
156-60-5	trans-1,2-Dichloroethene	0.00048	U	0.0012	0.00048
10061-02-6	trans-1,3-Dichloropropene	0.00012	U	0.0012	0.00012
79-01-6	Trichloroethene	0.00032	U	0.0012	0.00032
75-69-4	Trichlorofluoromethane	0.00042	U *	0.0012	0.00042
75-01-4	Vinyl chloride	0.00048	U	0.0012	0.00048
1330-20-7	Xylenes, Total	0.00014	U	0.0025	0.00014

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		78-135
460-00-4	4-Bromofluorobenzene	95		67-126
1868-53-7	Dibromofluoromethane (Surr)	94		61-149
2037-26-5	Toluene-d8 (Surr)	96		73-121

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23853.D  
 Lims ID: 460-116858-B-1-A  
 Client ID: W108-SB-5(0-2)  
 Sample Type: Client  
 Inject. Date: 15-Jul-2016 04:09:30 ALS Bottle#: 21 Worklist Smp#: 22  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-B-1-A  
 Misc. Info.: 460-0043309-022  
 Operator ID: Instrument ID: CVOAMS4  
 Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\8260S\_4.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 19-Jul-2016 20:19:16 Calib Date: 15-Jun-2016 19:04:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160615-42196.b\D22648.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK049

First Level Reviewer: martineze Date: 15-Jul-2016 10:12:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.607	3.607	0.000	40	322403	1000.0	
* 38 2-Butanone-d5	46	4.900	4.906	-0.006	0	241972	250.0	
\$ 51 Dibromofluoromethane (Surr	113	5.473	5.479	-0.006	97	142966	46.9	
\$ 56 1,2-Dichloroethane-d4 (Sur	65	5.899	5.899	0.000	99	149796	48.9	
* 61 Fluorobenzene	96	6.235	6.241	-0.006	99	542285	50.0	
* 67 1,4-Dioxane-d8	96	7.070	7.076	-0.006	0	21772	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.984	7.990	-0.006	99	493625	47.9	
* 89 Chlorobenzene-d5	117	9.295	9.295	0.000	86	432707	50.0	
\$ 100 4-Bromofluorobenzene	174	10.222	10.222	0.000	97	186652	47.4	
* 116 1,4-Dichlorobenzene-d4	152	11.057	11.057	0.000	95	262386	50.0	

Reagents:

8260ISNEW\_00078 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00132 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23853.D

Injection Date: 15-Jul-2016 04:09:30

Instrument ID: CVOAMS4

Operator ID:

Lims ID: 460-116858-B-1-A

Lab Sample ID: 460-116858-1

Worklist Smp#: 22

Client ID: W108-SB-5(0-2)

Purge Vol: 5.000 mL

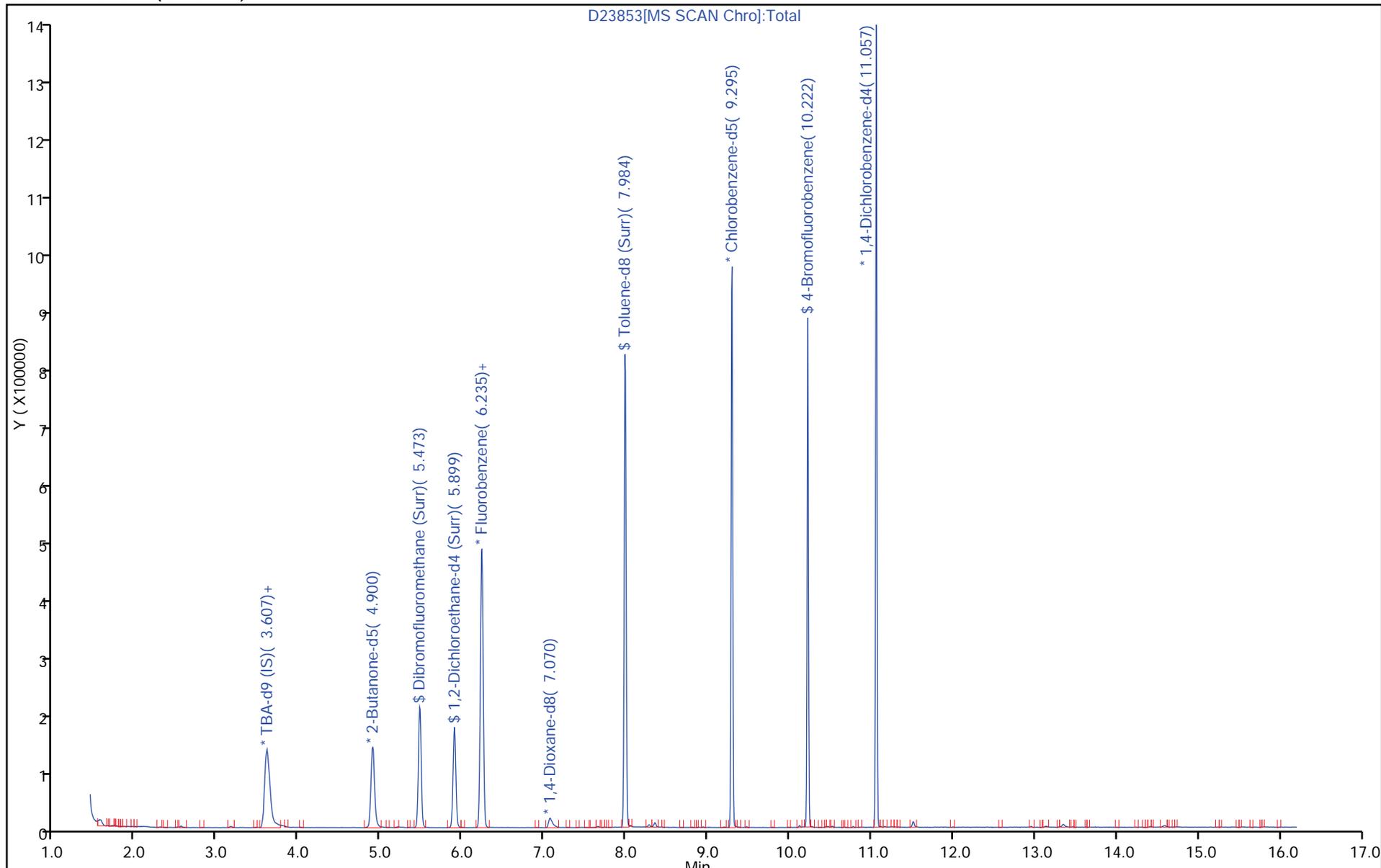
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5(8-10) Lab Sample ID: 460-116858-2  
 Matrix: Solid Lab File ID: D23852.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 12:05  
 Sample wt/vol: 5.28(g) Date Analyzed: 07/15/2016 03:45  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 14.8 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.00042	U	0.0011	0.00042
79-34-5	1,1,2,2-Tetrachloroethane	0.00019	U	0.0011	0.00019
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00049	U	0.0011	0.00049
79-00-5	1,1,2-Trichloroethane	0.00031	U	0.0011	0.00031
75-34-3	1,1-Dichloroethane	0.00038	U	0.0011	0.00038
75-35-4	1,1-Dichloroethene	0.00046	U	0.0011	0.00046
87-61-6	1,2,3-Trichlorobenzene	0.00012	U	0.0011	0.00012
120-82-1	1,2,4-Trichlorobenzene	0.00036	U	0.0011	0.00036
96-12-8	1,2-Dibromo-3-Chloropropane	0.00052	U	0.0011	0.00052
95-50-1	1,2-Dichlorobenzene	0.00016	U	0.0011	0.00016
107-06-2	1,2-Dichloroethane	0.00012	U	0.0011	0.00012
78-87-5	1,2-Dichloropropane	0.00019	U	0.0011	0.00019
541-73-1	1,3-Dichlorobenzene	0.00013	U	0.0011	0.00013
106-46-7	1,4-Dichlorobenzene	0.00014	U	0.0011	0.00014
123-91-1	1,4-Dioxane	0.0071	U	0.022	0.0071
78-93-3	2-Butanone (MEK)	0.00086	U	0.0056	0.00086
591-78-6	2-Hexanone	0.0010	U	0.0056	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0025	U	0.0056	0.0025
67-64-1	Acetone	0.0012	U	0.0056	0.0012
71-43-2	Benzene	0.00022	U	0.0011	0.00022
75-27-4	Bromodichloromethane	0.00042	U	0.0011	0.00042
75-25-2	Bromoform	0.00014	U	0.0011	0.00014
74-83-9	Bromomethane	0.00036	U	0.0011	0.00036
75-15-0	Carbon disulfide	0.00048	U	0.0011	0.00048
56-23-5	Carbon tetrachloride	0.00048	U	0.0011	0.00048
108-90-7	Chlorobenzene	0.00016	U	0.0011	0.00016
74-97-5	Chlorobromomethane	0.00019	U	0.0011	0.00019
75-00-3	Chloroethane	0.00039	U	0.0011	0.00039
67-66-3	Chloroform	0.00023	U	0.0011	0.00023
74-87-3	Chloromethane	0.00042	U	0.0011	0.00042
156-59-2	cis-1,2-Dichloroethene	0.00024	U	0.0011	0.00024
10061-01-5	cis-1,3-Dichloropropene	0.00017	U	0.0011	0.00017
110-82-7	Cyclohexane	0.00051	U	0.0011	0.00051
124-48-1	Dibromochloromethane	0.00017	U	0.0011	0.00017
75-71-8	Dichlorodifluoromethane	0.00036	U *	0.0011	0.00036

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5(8-10) Lab Sample ID: 460-116858-2  
 Matrix: Solid Lab File ID: D23852.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 12:05  
 Sample wt/vol: 5.28(g) Date Analyzed: 07/15/2016 03:45  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 14.8 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.00020	U	0.0011	0.00020
106-93-4	Ethylene Dibromide	0.00013	U	0.0011	0.00013
98-82-8	Isopropylbenzene	0.00019	U	0.0011	0.00019
179601-23-1	m&p-Xylene	0.00012	U	0.0011	0.00012
79-20-9	Methyl acetate	0.0010	U	0.0056	0.0010
1634-04-4	Methyl tert-butyl ether	0.00019	U	0.0011	0.00019
108-87-2	Methylcyclohexane	0.00056	U	0.0011	0.00056
75-09-2	Methylene Chloride	0.00036	U	0.0011	0.00036
95-47-6	o-Xylene	0.00018	U	0.0011	0.00018
100-42-5	Styrene	0.00017	U	0.0011	0.00017
127-18-4	Tetrachloroethene	0.00031	U	0.0011	0.00031
108-88-3	Toluene	0.00021	U	0.0011	0.00021
156-60-5	trans-1,2-Dichloroethene	0.00043	U	0.0011	0.00043
10061-02-6	trans-1,3-Dichloropropene	0.00011	U	0.0011	0.00011
79-01-6	Trichloroethene	0.00029	U	0.0011	0.00029
75-69-4	Trichlorofluoromethane	0.00038	U *	0.0011	0.00038
75-01-4	Vinyl chloride	0.00043	U	0.0011	0.00043
1330-20-7	Xylenes, Total	0.00012	U	0.0022	0.00012

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		78-135
460-00-4	4-Bromofluorobenzene	91		67-126
1868-53-7	Dibromofluoromethane (Surr)	91		61-149
2037-26-5	Toluene-d8 (Surr)	92		73-121

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23852.D  
 Lims ID: 460-116858-B-2-A  
 Client ID: W108-SB-5(8-10)  
 Sample Type: Client  
 Inject. Date: 15-Jul-2016 03:45:30 ALS Bottle#: 20 Worklist Smp#: 21  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-B-2-A  
 Misc. Info.: 460-0043309-021  
 Operator ID: Instrument ID: CVOAMS4  
 Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\8260S\_4.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 19-Jul-2016 20:20:12 Calib Date: 15-Jun-2016 19:04:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160615-42196.b\D22648.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK049

First Level Reviewer: moroneyc Date: 19-Jul-2016 13:43:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	3.613	3.607	0.006	40	350512	1000.0	
* 38 2-Butanone-d5	46	4.906	4.906	0.000	0	253521	250.0	
\$ 51 Dibromofluoromethane (Surr	113	5.479	5.479	0.000	97	140113	45.3	
\$ 56 1,2-Dichloroethane-d4 (Sur	65	5.905	5.899	0.006	99	149124	48.0	
* 61 Fluorobenzene	96	6.241	6.241	0.000	99	549865	50.0	
* 67 1,4-Dioxane-d8	96	7.070	7.076	-0.006	0	25994	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.990	7.990	0.000	99	491837	46.0	
* 89 Chlorobenzene-d5	117	9.295	9.295	0.000	86	449078	50.0	
\$ 100 4-Bromofluorobenzene	174	10.222	10.222	0.000	96	187683	45.6	
* 116 1,4-Dichlorobenzene-d4	152	11.057	11.057	0.000	95	274438	50.0	

Reagents:

8260ISNEW\_00078 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00132 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23852.D

Injection Date: 15-Jul-2016 03:45:30

Instrument ID: CVOAMS4

Operator ID:

Lims ID: 460-116858-B-2-A

Lab Sample ID: 460-116858-2

Worklist Smp#: 21

Client ID: W108-SB-5(8-10)

Purge Vol: 5.000 mL

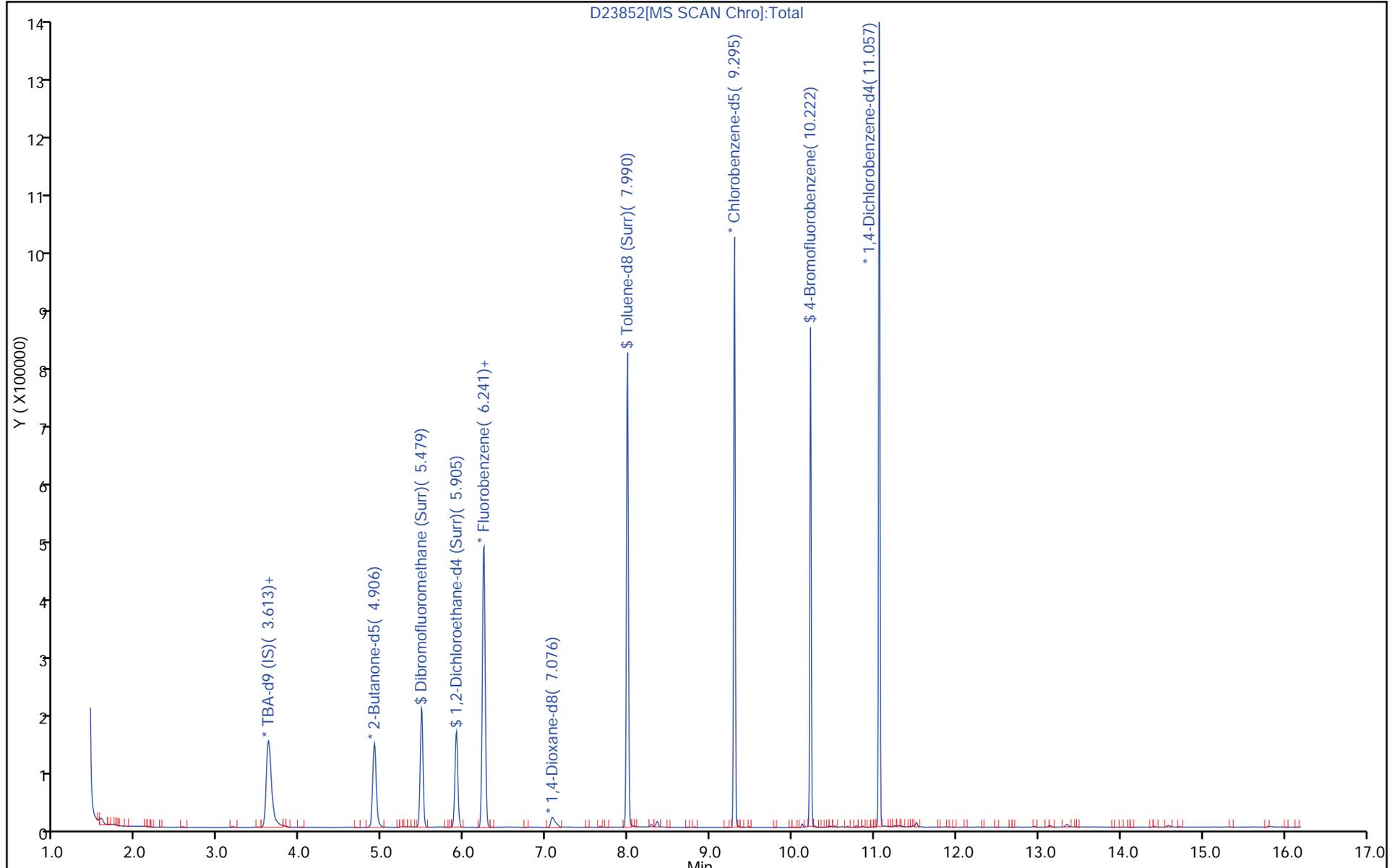
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: TB20160712 Lab Sample ID: 460-116858-4  
 Matrix: Water Lab File ID: E57334.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 00:00  
 Sample wt/vol: 5(mL) Date Analyzed: 07/16/2016 12:42  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 379422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
75-00-3	Chloroethane	0.37	U *	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: TB20160712 Lab Sample ID: 460-116858-4  
 Matrix: Water Lab File ID: E57334.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 00:00  
 Sample wt/vol: 5(mL) Date Analyzed: 07/16/2016 12:42  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 379422 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
179601-23-1	m&p-Xylene	0.28	U	1.0	0.28
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.45	J	1.0	0.21
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		70-137
460-00-4	4-Bromofluorobenzene	92		70-131
1868-53-7	Dibromofluoromethane (Surr)	103		72-136
2037-26-5	Toluene-d8 (Surr)	103		74-120

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160716-43363.b\E57334.D  
 Lims ID: 460-116858-B-4  
 Client ID: TB20160712  
 Sample Type: Client  
 Inject. Date: 16-Jul-2016 12:42:30 ALS Bottle#: 7 Worklist Smp#: 8  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-B-4  
 Misc. Info.: 460-0043363-008  
 Operator ID: Instrument ID: CVOAMS5  
 Method: \\ChromNA\Edison\ChromData\CVOAMS5\20160716-43363.b\8260W\_5.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 18-Jul-2016 10:40:03 Calib Date: 22-Jun-2016 11:03:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20160622-42482.b\E56280.D  
 Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN  
 Process Host: XAWRK028

First Level Reviewer: desais Date: 18-Jul-2016 10:21:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
24 Methylene Chloride	84	1.714	1.714	0.000	93	2206	0.4509	
* 30 TBA-d9 (IS)	65	1.879	1.879	0.000	99	430739	1000.0	
\$ 48 Dibromofluoromethane (Surr	113	2.776	2.776	0.000	95	199437	51.5	
* 50 2-Butanone-d5	46	2.833	2.833	0.000	98	505580	250.0	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.154	3.154	0.000	95	239581	55.8	
* 63 Fluorobenzene	96	3.385	3.385	0.000	99	833760	50.0	
* 74 1,4-Dioxane-d8	96	4.224	4.233	-0.009	95	47404	1000.0	
\$ 80 Toluene-d8 (Surr)	98	4.858	4.858	0.000	99	851942	51.4	
* 94 Chlorobenzene-d5	117	6.685	6.685	0.000	88	687175	50.0	
\$ 105 4-Bromofluorobenzene	174	8.430	8.430	0.000	84	234883	46.2	
* 121 1,4-Dichlorobenzene-d4	152	10.174	10.174	0.000	97	353166	50.0	

Reagents:

8260ISNEW\_00081 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00134 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160716-43363.b\E57334.D

Injection Date: 16-Jul-2016 12:42:30

Instrument ID: CVOAMS5

Operator ID:

Lims ID: 460-116858-B-4

Lab Sample ID: 460-116858-4

Worklist Smp#: 8

Client ID: TB20160712

Purge Vol: 5.000 mL

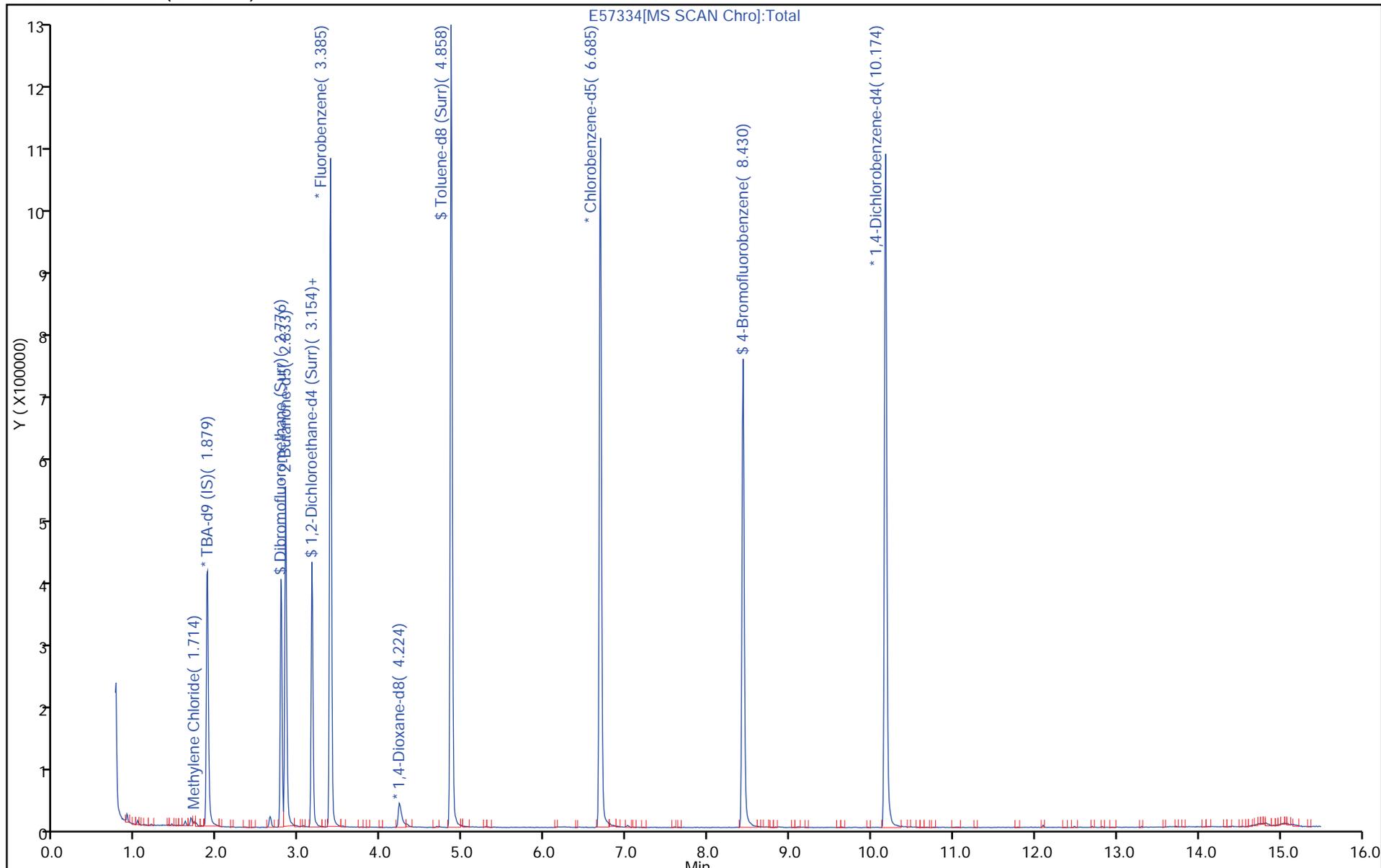
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8260W\_5

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160716-43363.b\E57334.D

Injection Date: 16-Jul-2016 12:42:30

Instrument ID: CVOAMS5

Lims ID: 460-116858-B-4

Lab Sample ID: 460-116858-4

Client ID: TB20160712

Operator ID:

ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

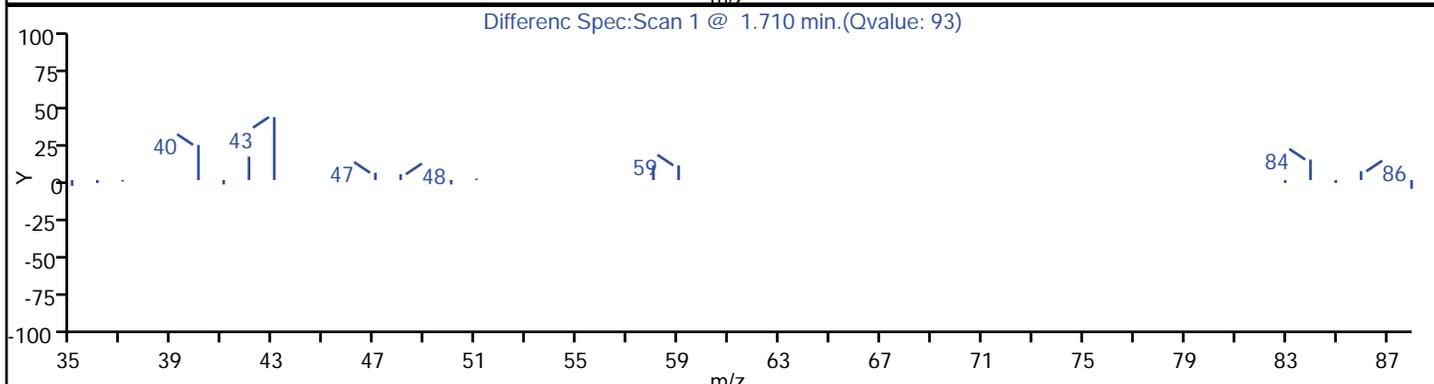
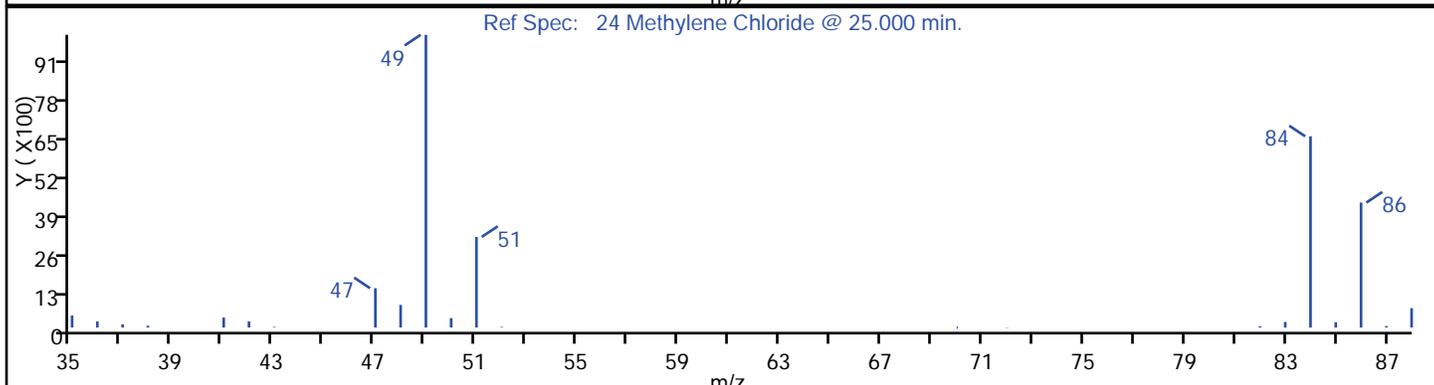
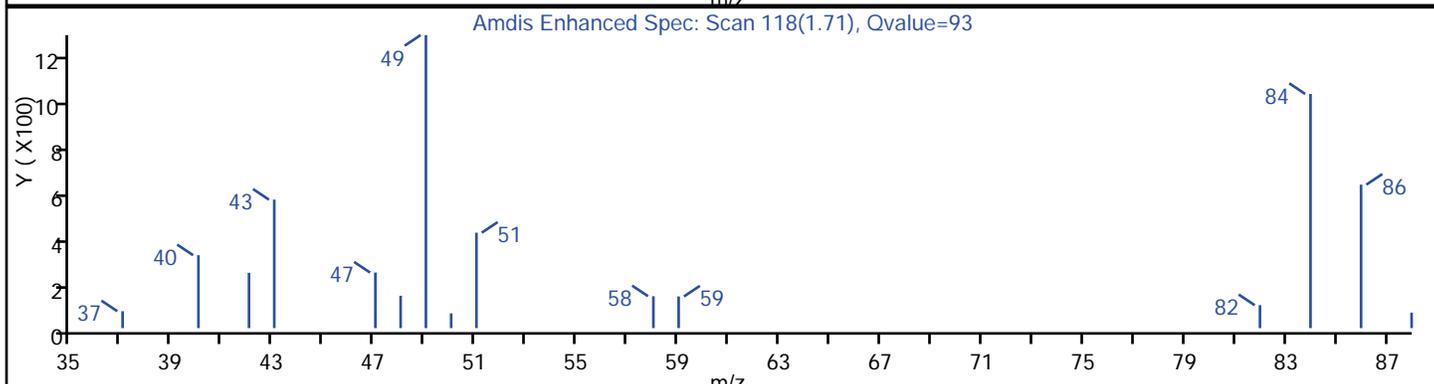
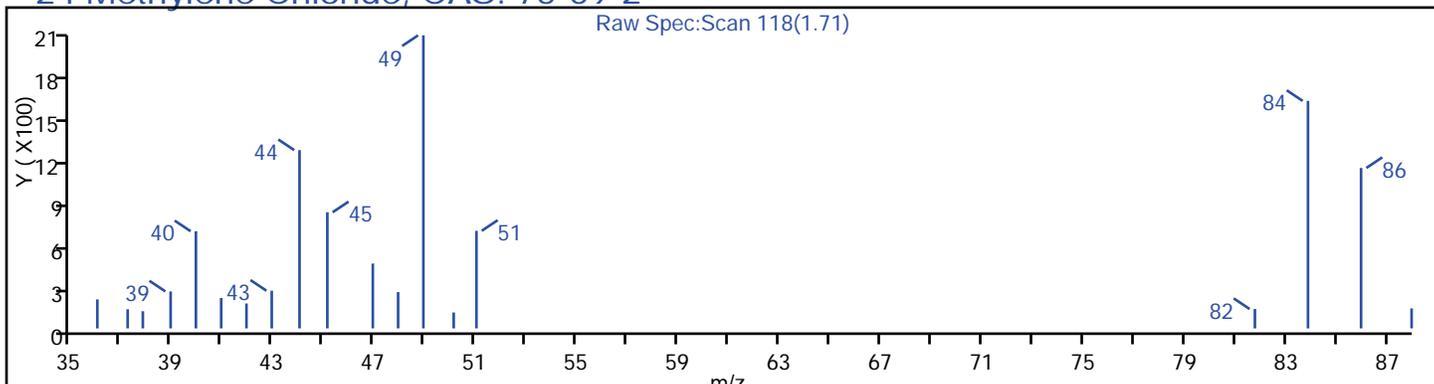
Method: 8260W\_5

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)

Detector: MS SCAN

24 Methylene Chloride, CAS: 75-09-2



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: FB20160712 Lab Sample ID: 460-116858-5  
 Matrix: Water Lab File ID: E57320.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 12:25  
 Sample wt/vol: 5(mL) Date Analyzed: 07/16/2016 05:16  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 379337 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	15		5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	21		5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-27-4	Bromodichloromethane	0.15	U	1.0	0.15
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
75-00-3	Chloroethane	0.37	U *	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
124-48-1	Dibromochloromethane	0.22	U	1.0	0.22
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: FB20160712 Lab Sample ID: 460-116858-5  
 Matrix: Water Lab File ID: E57320.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 12:25  
 Sample wt/vol: 5(mL) Date Analyzed: 07/16/2016 05:16  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-VMS ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 379337 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
179601-23-1	m&p-Xylene	0.28	U	1.0	0.28
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060
1330-20-7	Xylenes, Total	0.28	U	2.0	0.28

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		70-137
460-00-4	4-Bromofluorobenzene	80		70-131
1868-53-7	Dibromofluoromethane (Surr)	104		72-136
2037-26-5	Toluene-d8 (Surr)	105		74-120

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160715-43349.b\E57320.D  
 Lims ID: 460-116858-A-5  
 Client ID: FB20160712  
 Sample Type: Client  
 Inject. Date: 16-Jul-2016 05:16:30 ALS Bottle#: 12 Worklist Smp#: 13  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-A-5  
 Misc. Info.: 460-0043349-013  
 Operator ID: Instrument ID: CVOAMS5  
 Method: \\ChromNA\Edison\ChromData\CVOAMS5\20160715-43349.b\8260W\_5.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 16-Jul-2016 11:18:07 Calib Date: 22-Jun-2016 11:03:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS5\20160622-42482.b\E56280.D  
 Column 1 : Rtx-VMS ( 0.18 mm) Det: MS SCAN  
 Process Host: XAWRK053

First Level Reviewer: tupayachia Date: 16-Jul-2016 11:18:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
25 Acetone	58	1.739	1.739	0.000	88	8184	21.0	
* 30 TBA-d9 (IS)	65	1.879	1.879	0.000	99	289410	1000.0	
\$ 48 Dibromofluoromethane (Surr	113	2.776	2.776	0.000	95	143184	52.1	
* 50 2-Butanone-d5	46	2.833	2.833	0.000	98	371919	250.0	
51 2-Butanone (MEK)	72	2.866	2.866	0.000	99	7835	14.8	
\$ 58 1,2-Dichloroethane-d4 (Sur	65	3.154	3.154	0.000	95	172879	56.7	
* 63 Fluorobenzene	96	3.376	3.385	-0.009	98	591653	50.0	
* 74 1,4-Dioxane-d8	96	4.224	4.232	-0.008	95	30087	1000.0	
\$ 80 Toluene-d8 (Surr)	98	4.858	4.858	0.000	100	565839	52.6	
* 94 Chlorobenzene-d5	117	6.677	6.685	-0.008	88	445501	50.0	
\$ 105 4-Bromofluorobenzene	174	8.429	8.430	-0.001	80	131426	39.8	
* 121 1,4-Dichlorobenzene-d4	152	10.174	10.174	0.000	99	201377	50.0	

Reagents:

8260ISNEW\_00081 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00134 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160715-43349.b\E57320.D

Injection Date: 16-Jul-2016 05:16:30

Instrument ID: CVOAMS5

Operator ID:

Lims ID: 460-116858-A-5

Lab Sample ID: 460-116858-5

Worklist Smp#: 13

Client ID: FB20160712

Purge Vol: 5.000 mL

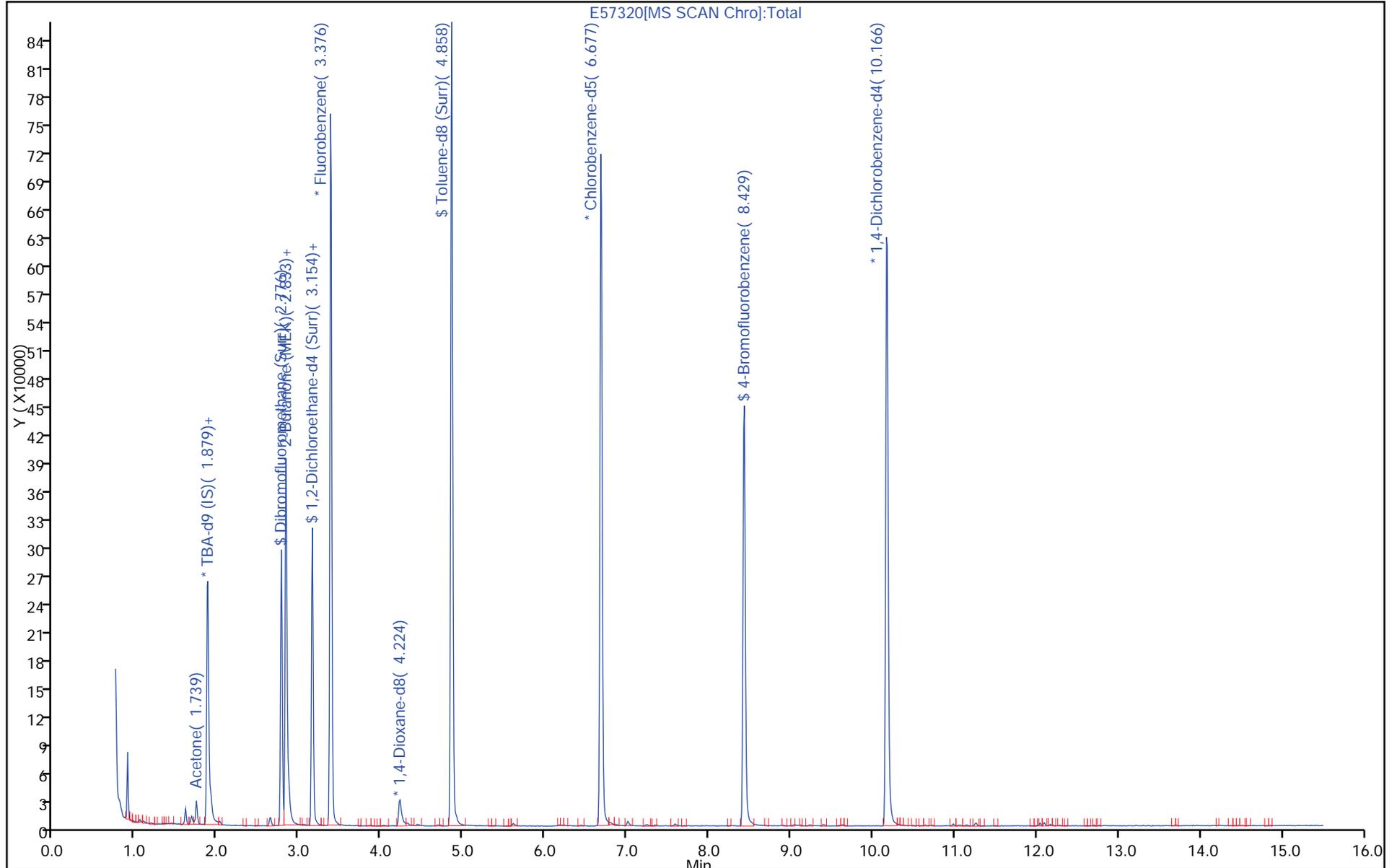
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8260W\_5

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160715-43349.b\E57320.D

Injection Date: 16-Jul-2016 05:16:30

Instrument ID: CVOAMS5

Lims ID: 460-116858-A-5

Lab Sample ID: 460-116858-5

Client ID: FB20160712

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

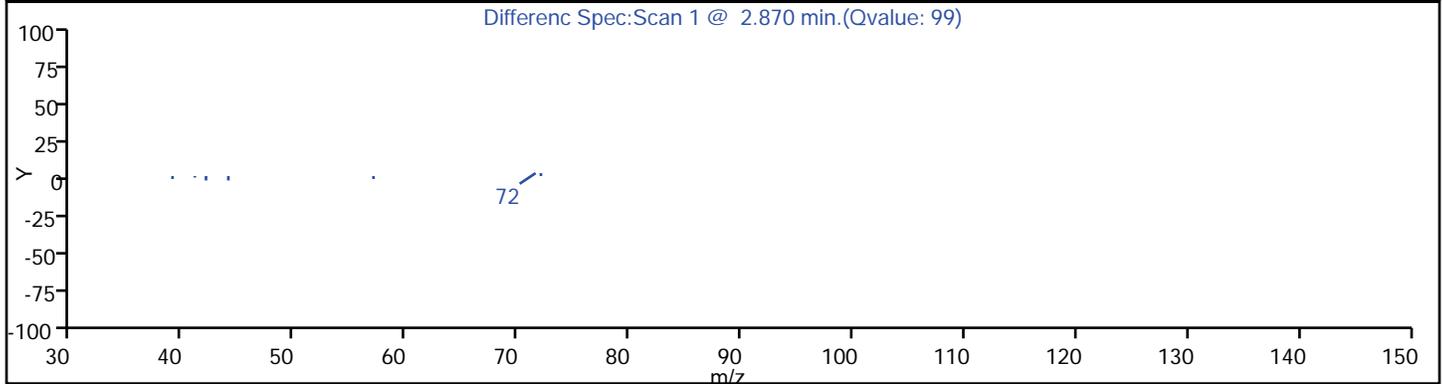
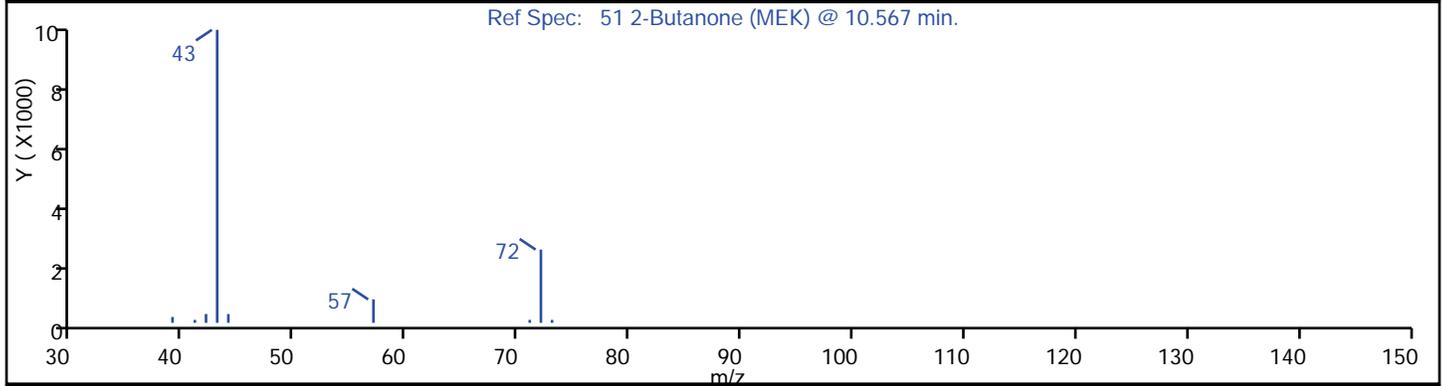
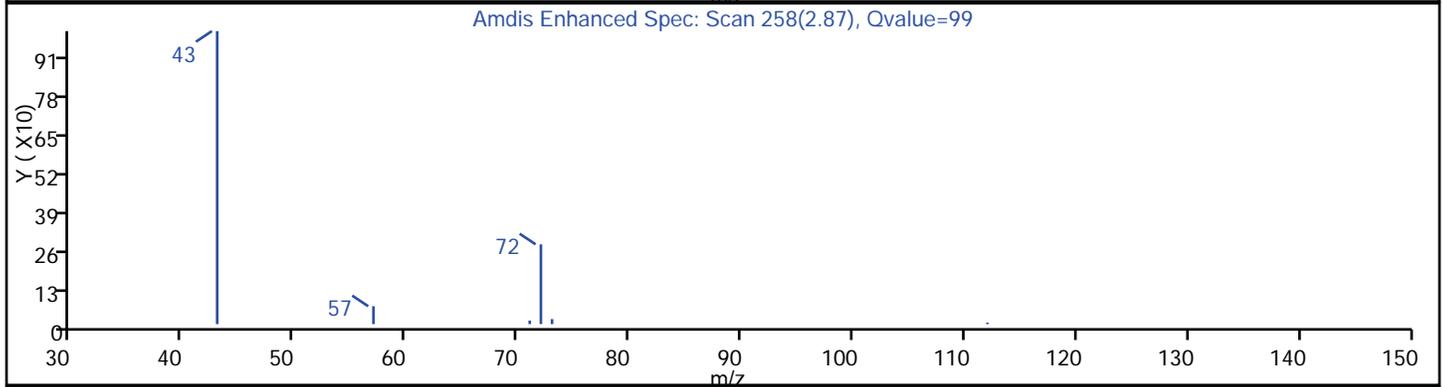
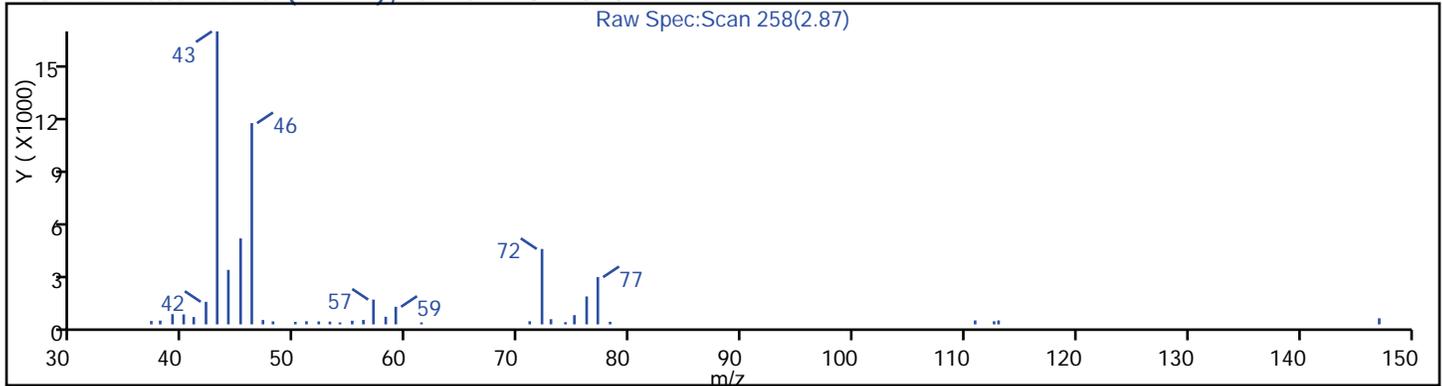
Method: 8260W\_5

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)

Detector: MS SCAN

51 2-Butanone (MEK), CAS: 78-93-3



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS5\20160715-43349.b\E57320.D

Injection Date: 16-Jul-2016 05:16:30

Instrument ID: CVOAMS5

Lims ID: 460-116858-A-5

Lab Sample ID: 460-116858-5

Client ID: FB20160712

Operator ID:

ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

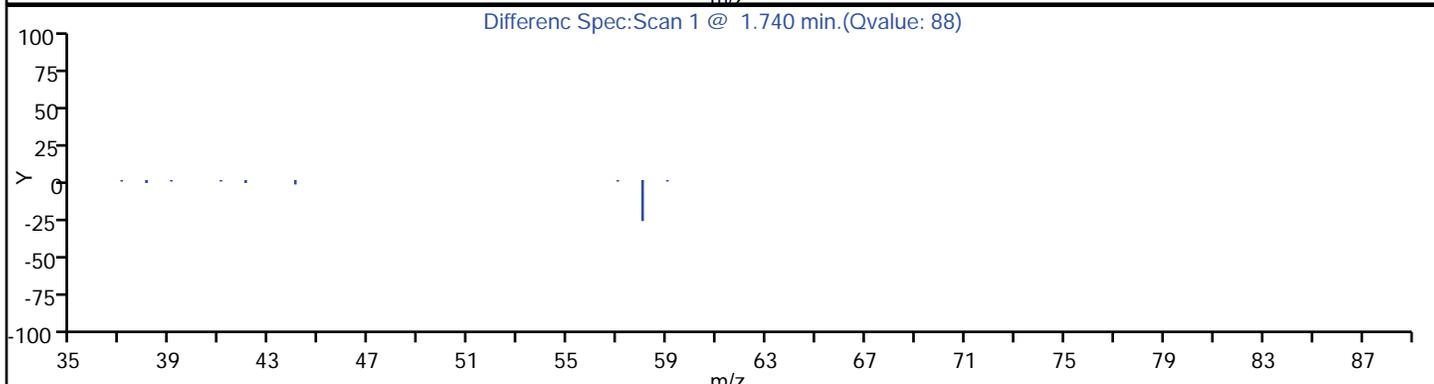
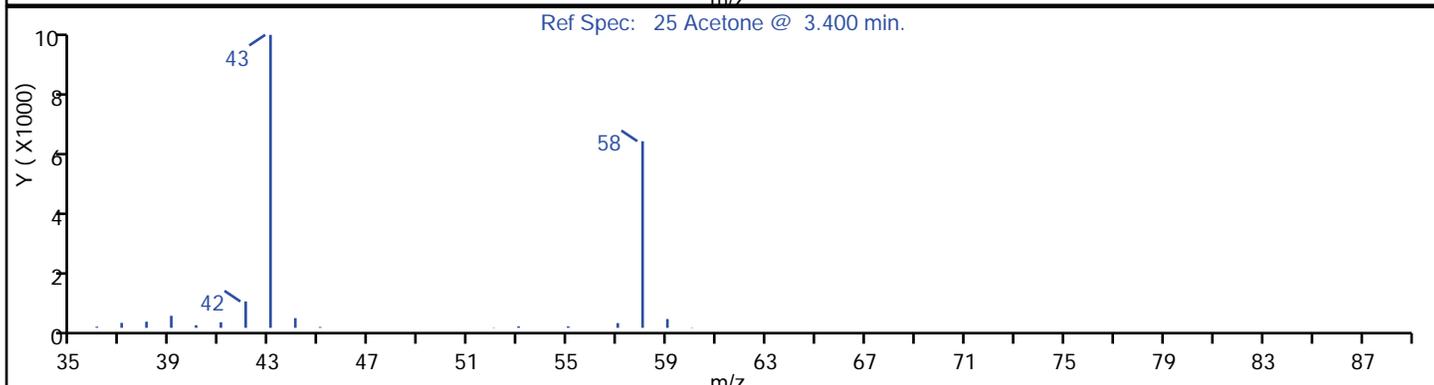
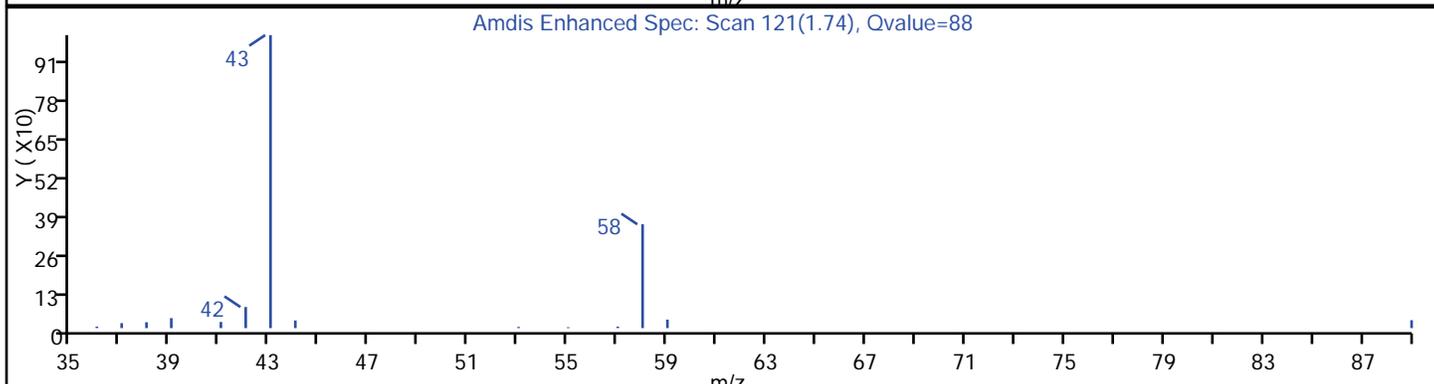
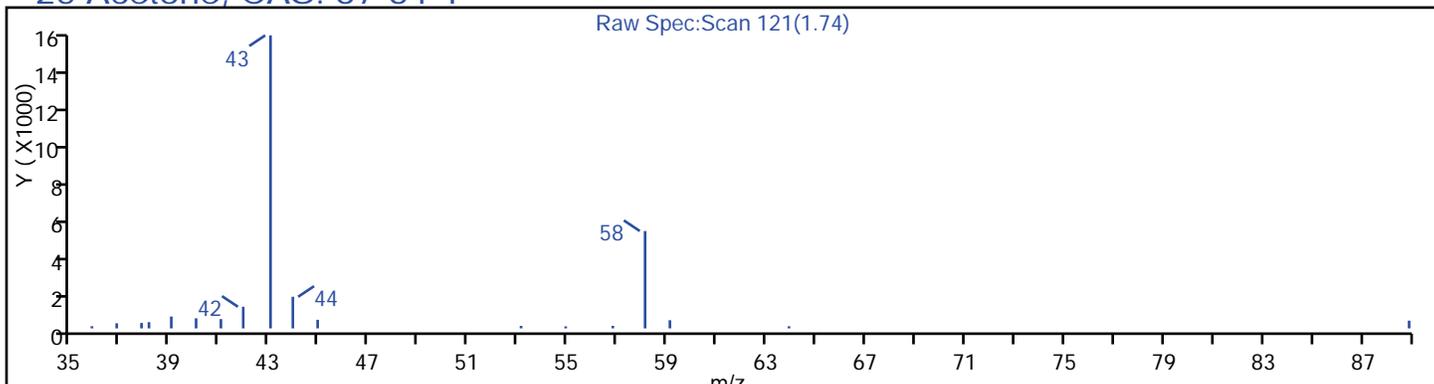
Method: 8260W\_5

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-VMS (0.18 mm)

Detector: MS SCAN

25 Acetone, CAS: 67-64-1



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5-(0-5) Lab Sample ID: 460-116828-6  
 Matrix: Solid Lab File ID: B05853.D  
 Analysis Method: 8560C Date Collected: 07/15/5016 13:00  
 Sample wt/vol: 3.35(g) Date Analyzed: 07/14/5016 53:02  
 Soil Aliquot Vol: 2 (mL) Dilution Factor: 20  
 Soil Extract Vol.: 10(mL) GC Column: Rtx-654 ID: 0.52 (mm)  
 % Moisture: 15.0 Level: (low/med) Medium  
 Analysis Batch No.: 379023 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-22-6	1,1,1-Trichloroethane	0.048	U	0.17	0.048
79-34-2	1,1,5,5-Tetrachloroethane	0.033	U	0.17	0.033
76-13-1	1,1,5-Trichloro-1,5,5-trifluoroethane	0.028	U	0.17	0.028
79-00-2	1,1,5-Trichloroethane	0.014	U	0.17	0.014
72-34-3	1,1-Dichloroethane	0.041	U	0.17	0.041
72-32-4	1,1-Dichloroethene	0.028	U	0.17	0.028
87-61-6	1,5,3-Trichlorobenzene	0.060	U	0.17	0.060
150-85-1	1,5,4-Trichlorobenzene	0.046	U	0.17	0.046
96-15-8	1,5-Dibromo-3-Chloropropane	0.039	U	0.17	0.039
92-20-1	1,5-Dichlorobenzene	0.038	U	0.17	0.038
107-06-5	1,5-Dichloroethane	0.043	U	0.17	0.043
78-87-2	1,5-Dichloropropane	0.031	U	0.17	0.031
241-73-1	1,3-Dichlorobenzene	0.026	U	0.17	0.026
106-46-7	1,4-Dichlorobenzene	0.026	U	0.17	0.026
153-91-1	1,4-Dioxane	1.2	U	4.3	1.2
78-93-3	5-Butanone (MEK)	0.38	U	0.86	0.38
291-78-6	5-Hexanone	0.15	U	0.86	0.15
108-10-1	4-Methyl-5-pentanone (MIBK)	0.11	U	0.86	0.11
67-64-1	Acetone	0.18	U	0.86	0.18
71-43-5	Benzene	0.13	J	0.17	0.033
72-57-4	Bromodichloromethane	0.056	U	0.17	0.056
72-52-5	Bromoform	0.031	U *	0.17	0.031
74-83-9	Bromomethane	0.031	U	0.17	0.031
72-12-0	Carbon disulfide	0.038	U *	0.17	0.038
26-53-2	Carbon tetrachloride	0.026	U *	0.17	0.026
108-90-7	Chlorobenzene	0.041	U	0.17	0.041
74-97-2	Chlorobromomethane	0.021	U	0.17	0.021
72-00-3	Chloroethane	0.063	U	0.17	0.063
67-66-3	Chloroform	0.038	U	0.17	0.038
74-87-3	Chloromethane	0.038	U	0.17	0.038
126-29-5	cis-1,5-Dichloroethene	0.044	U	0.17	0.044
10061-01-2	cis-1,3-Dichloropropene	0.057	U	0.17	0.057
110-85-7	Cyclohexane	0.044	U	0.17	0.044
154-48-1	Dibromochloromethane	0.038	U *	0.17	0.038
72-71-8	Dichlorodifluoromethane	0.054	U	0.17	0.054

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-5-(0-5) Lab Sample ID: 460-116828-6  
 Matrix: Solid Lab File ID: B05853.D  
 Analysis Method: 8560C Date Collected: 07/15/5016 13:00  
 Sample wt/vol: 3.35(g) Date Analyzed: 07/14/5016 53:02  
 Soil Aliquot Vol: 2 (mL) Dilution Factor: 20  
 Soil Extract Vol.: 10(mL) GC Column: Rtx-654 ID: 0.52 (mm)  
 % Moisture: 15.0 Level: (low/med) Medium  
 Analysis Batch No.: 379023 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.061	J	0.17	0.021
106-93-4	Ethylene Dibromide	0.033	U	0.17	0.033
98-85-8	Isopropylbenzene	0.022	U	0.17	0.022
179601-53-1	m&p-Xylene	0.41		0.17	0.048
79-50-9	Methyl acetate	0.099	U	0.86	0.099
1634-04-4	Methyl tert-butyl ether	0.055	U	0.17	0.055
108-87-5	Methylcyclohexane	0.038	U	0.17	0.038
72-09-5	Methylene Chloride	0.036	U	0.17	0.036
92-47-6	o-Xylene	0.50		0.17	0.022
100-45-2	Styrene	0.059	U	0.17	0.059
157-18-4	Tetrachloroethene	0.065	U	0.17	0.065
108-88-3	Toluene	1.2		0.17	0.043
126-60-2	trans-1,5-Dichloroethene	0.031	U	0.17	0.031
10061-05-6	trans-1,3-Dichloropropene	0.033	U	0.17	0.033
79-01-6	Trichloroethene	0.038	U	0.17	0.038
72-69-4	Trichlorofluoromethane	0.056	U	0.17	0.056
72-01-4	Vinyl chloride	0.034	U	0.17	0.034
1330-50-7	Xylenes, Total	0.61		0.34	0.048

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,5-Dichloroethane-d4 (Surr)	113		69-142
460-00-4	4-Bromofluorobenzene	96		64-131
1868-23-7	Dibromofluoromethane (Surr)	94		74-134
5037-56-2	Toluene-d8 (Surr)	101		75-136

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D  
 Lims ID: 460-116858-A-6-A  
 Client ID: W108-SB-2-(0-2)  
 Sample Type: Client  
 Inject. Date: 14-Jul-2016 23:05:30 ALS Bottle#: 28 Worklist Smp#: 29  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 Sample Info: 460-116858-A-6-A  
 Misc. Info.: 460-0043295-029  
 Operator ID: Instrument ID: CVOAMS2  
 Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\8260W\_2.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 15-Jul-2016 00:16:26 Calib Date: 13-Jul-2016 03:02:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160712-43218.b\B02717.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK035

First Level Reviewer: boykink Date: 15-Jul-2016 00:16:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.578	2.572	0.006	88	468839	1000.0	
* 158 2-Butanone-d5	46	3.596	3.601	-0.005	94	511527	250.0	
\$ 51 Dibromofluoromethane (Surr	113	4.090	4.090	0.000	95	148324	47.0	
55 Benzene	78	4.413	4.407	0.006	91	11969	0.7636	
\$ 57 1,2-Dichloroethane-d4 (Sur	65	4.443	4.443	0.000	98	238553	56.4	
* 62 Fluorobenzene	96	4.731	4.737	-0.006	97	644217	50.0	
* 69 1,4-Dioxane-d8	96	5.537	5.543	-0.006	96	32844	1000.0	
\$ 80 Toluene-d8 (Surr)	98	6.595	6.595	0.000	98	547625	50.6	
81 Toluene	91	6.678	6.684	-0.006	93	124981	8.93	
* 91 Chlorobenzene-d5	117	8.178	8.184	-0.006	91	440545	50.0	
93 Ethylbenzene	106	8.284	8.289	-0.005	25	1652	0.3592	
95 m-Xylene & p-Xylene	106	8.401	8.401	0.000	98	13631	2.40	
96 o-Xylene	106	8.754	8.748	0.006	91	7118	1.17	
\$ 102 4-Bromofluorobenzene	174	9.207	9.207	0.000	89	157569	48.1	
* 119 1,4-Dichlorobenzene-d4	152	10.078	10.078	0.000	97	237744	50.0	
S 135 Xylenes, Total	100				0		3.57	

Reagents:

8260ISNEW\_00077 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Operator ID:

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Worklist Smp#: 29

Client ID: W108-SB-2-(0-2)

Purge Vol: 5.000 mL

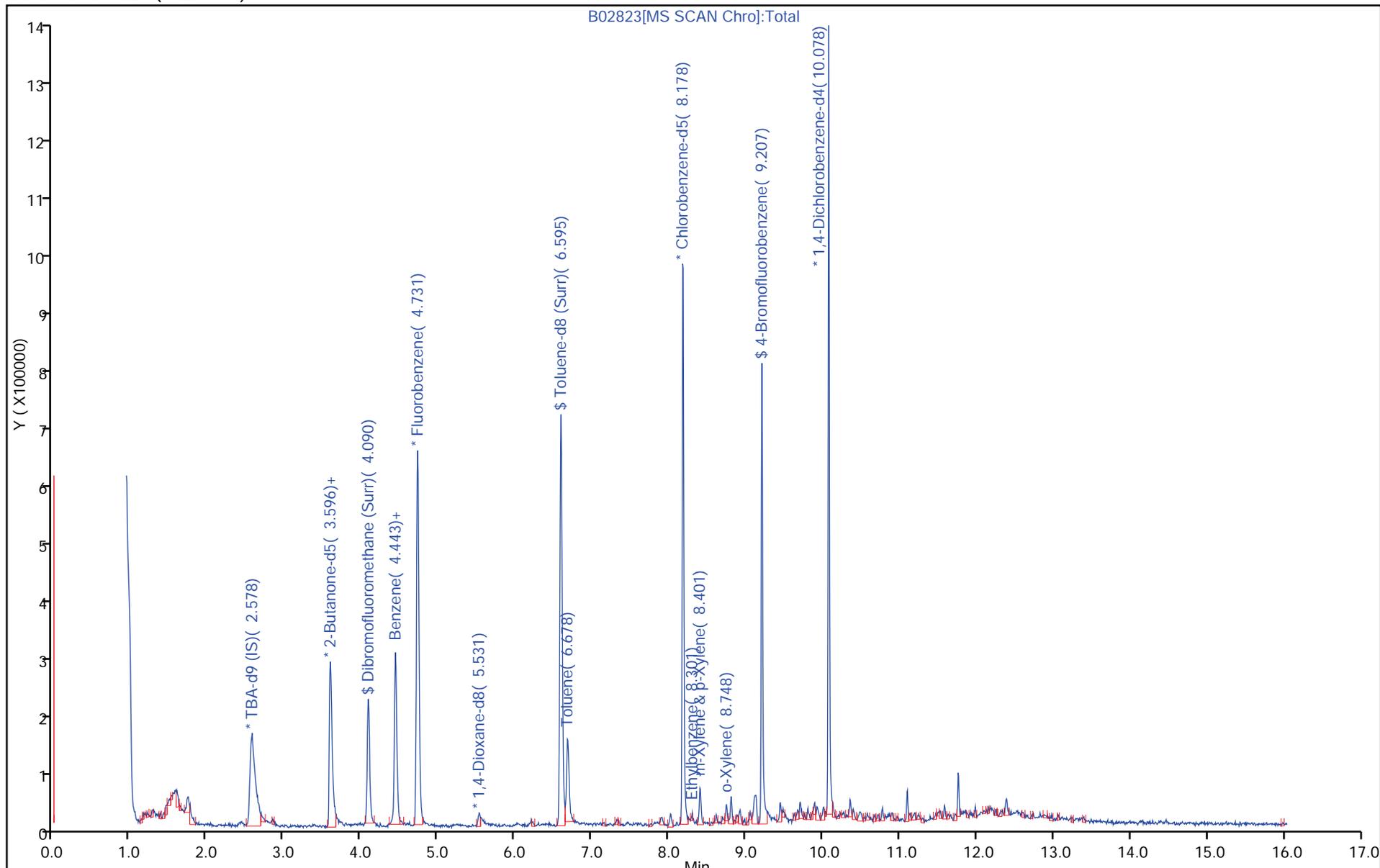
Dil. Factor: 50.0000

ALS Bottle#: 28

Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

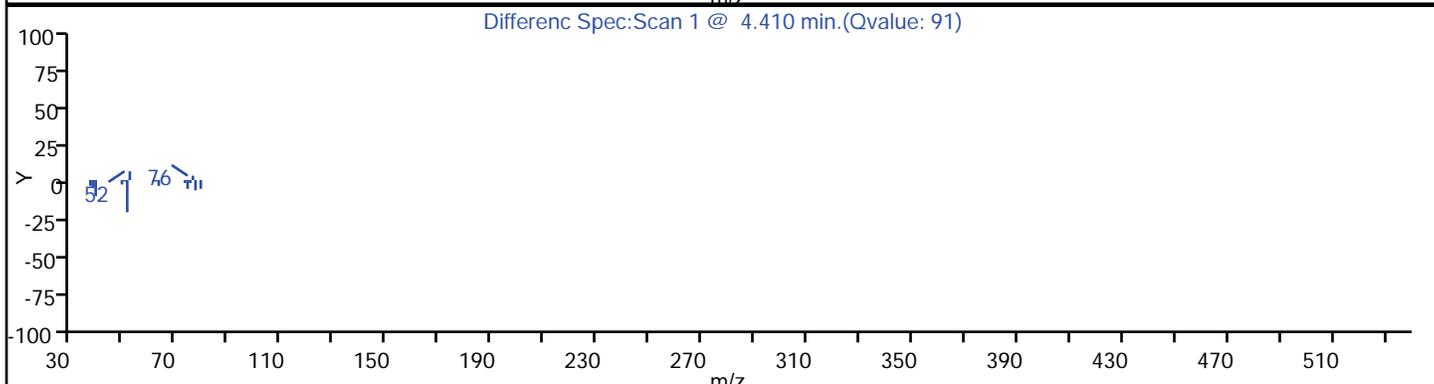
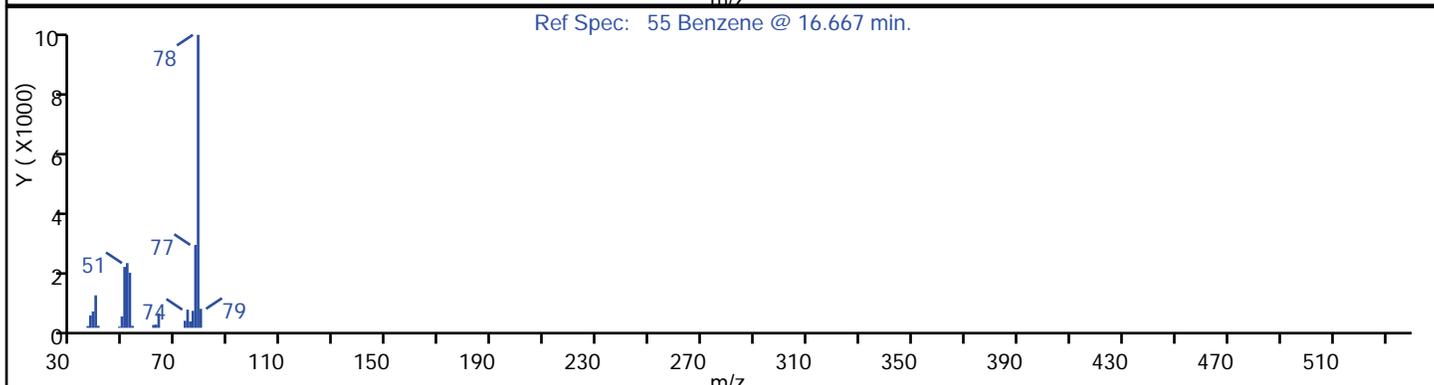
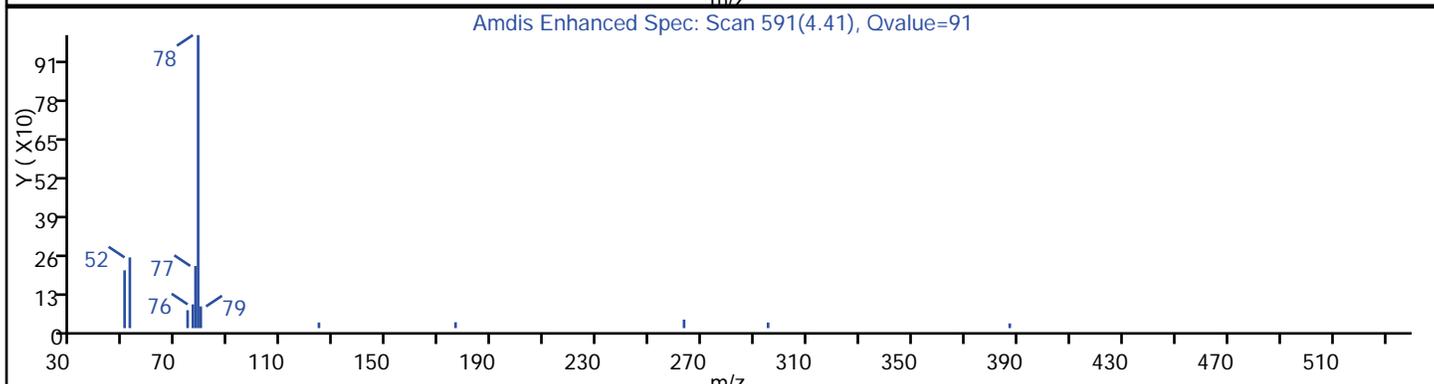
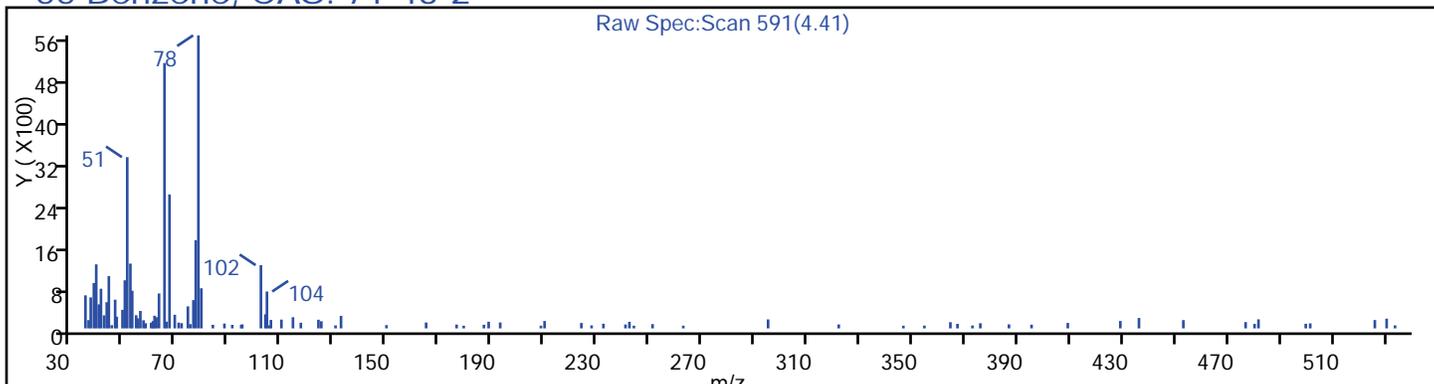
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

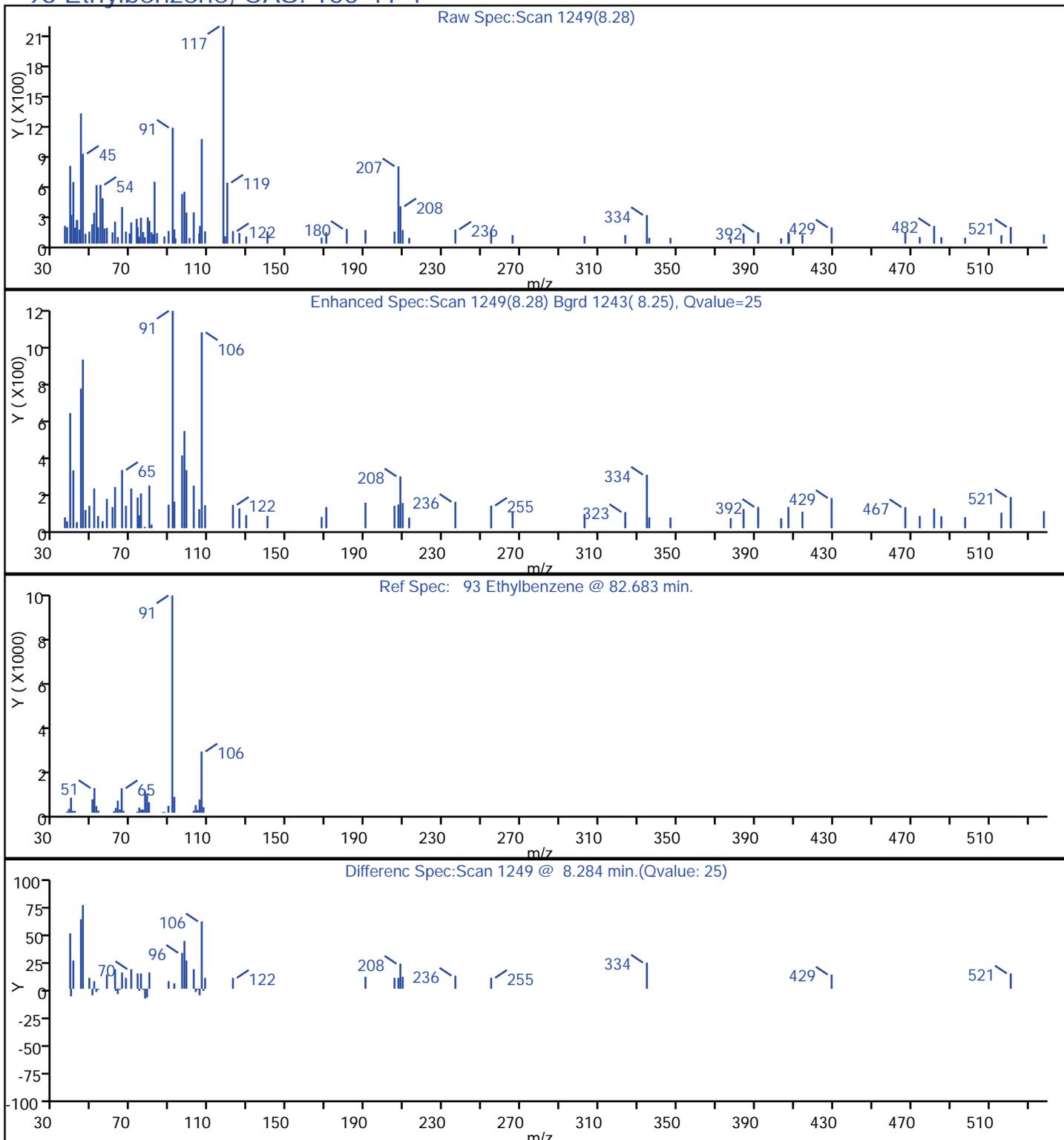
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

93 Ethylbenzene, CAS: 100-41-4



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

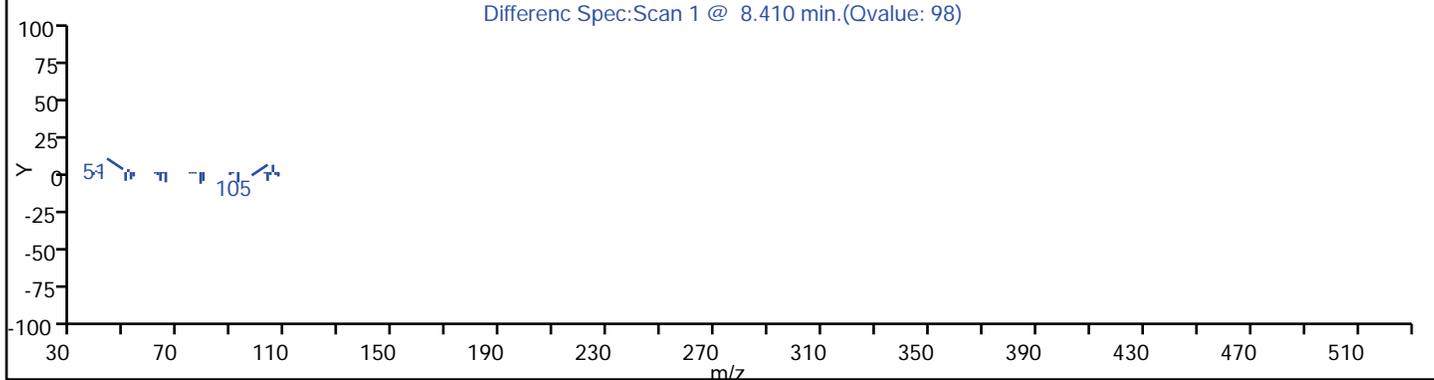
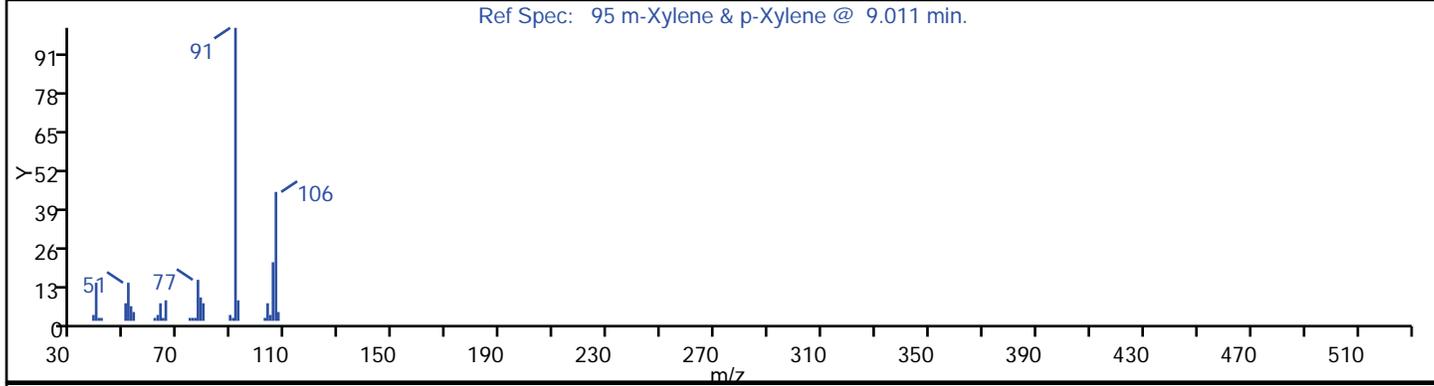
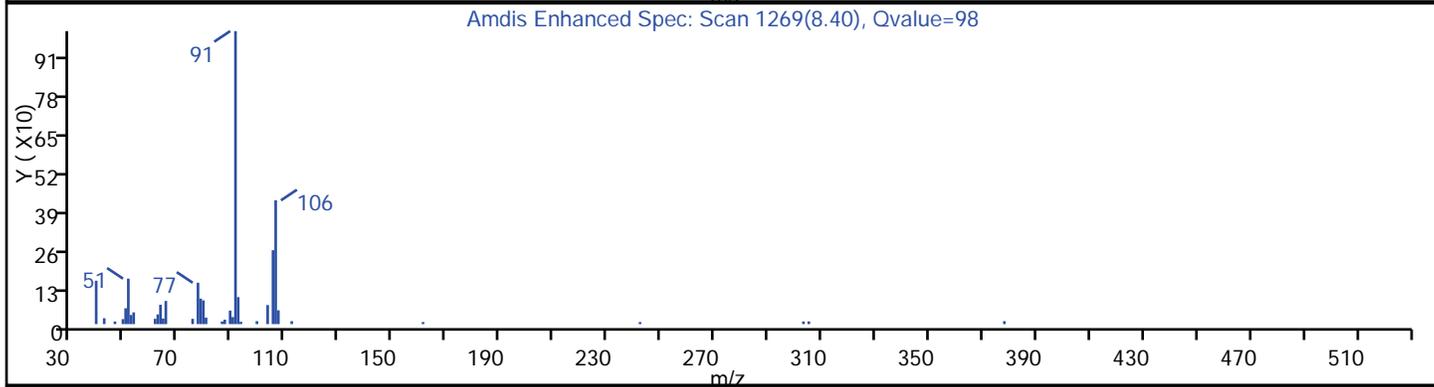
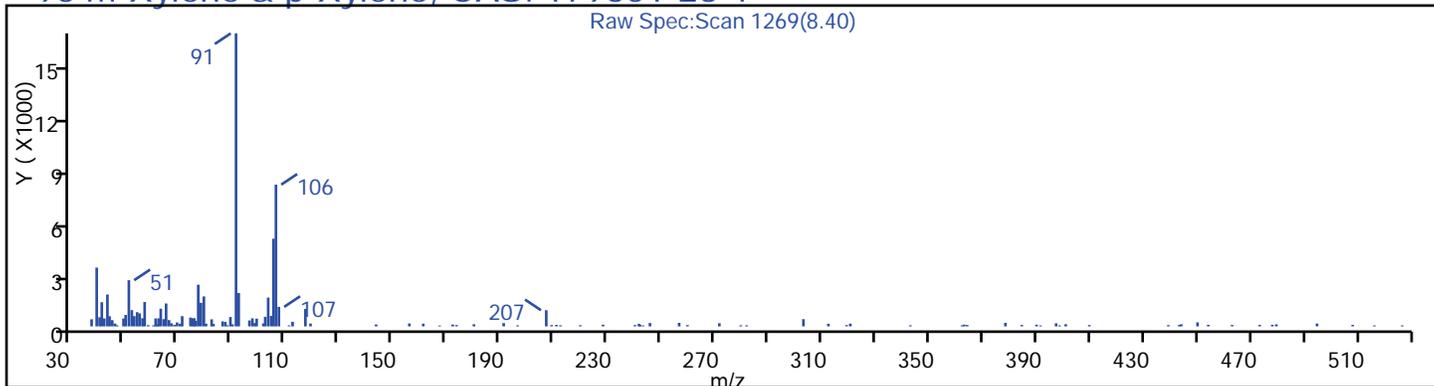
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

95 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

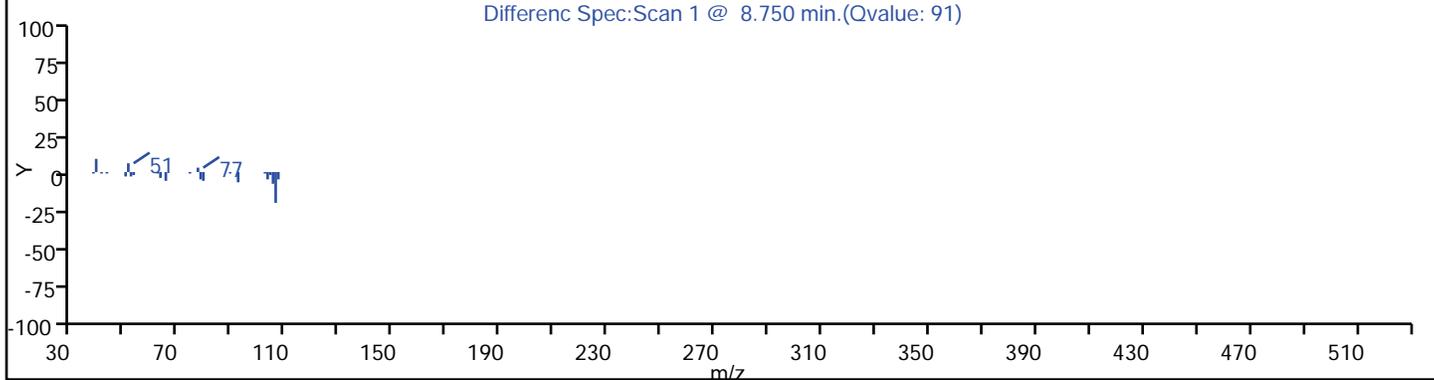
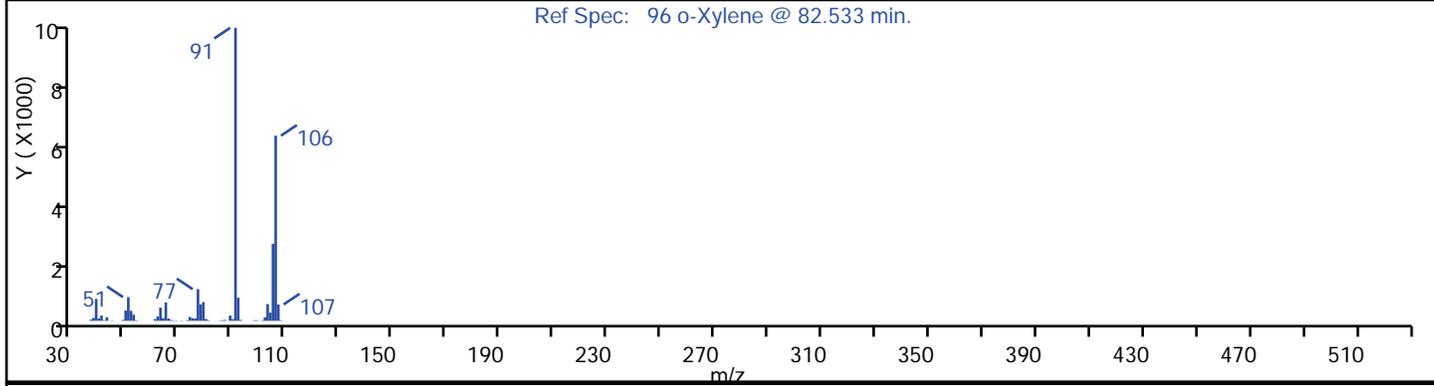
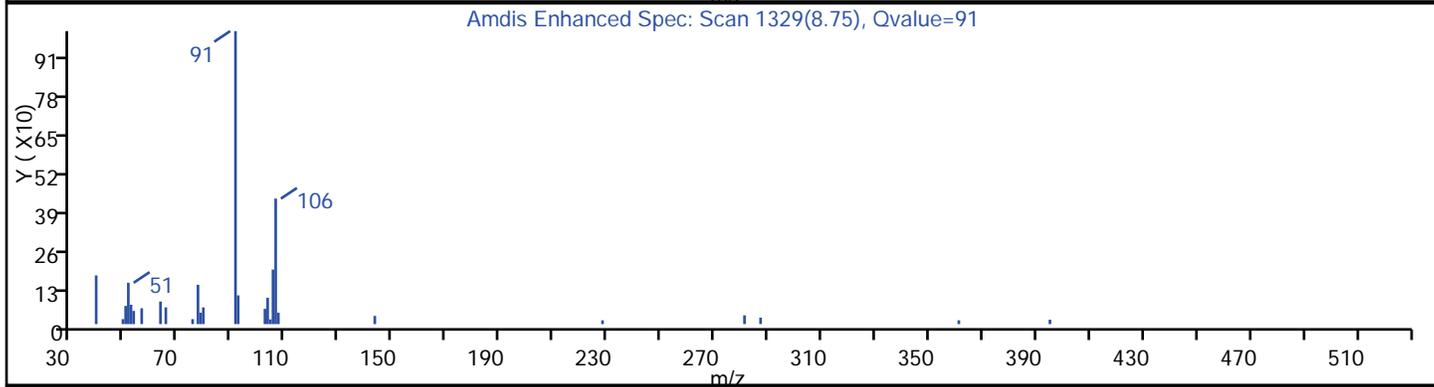
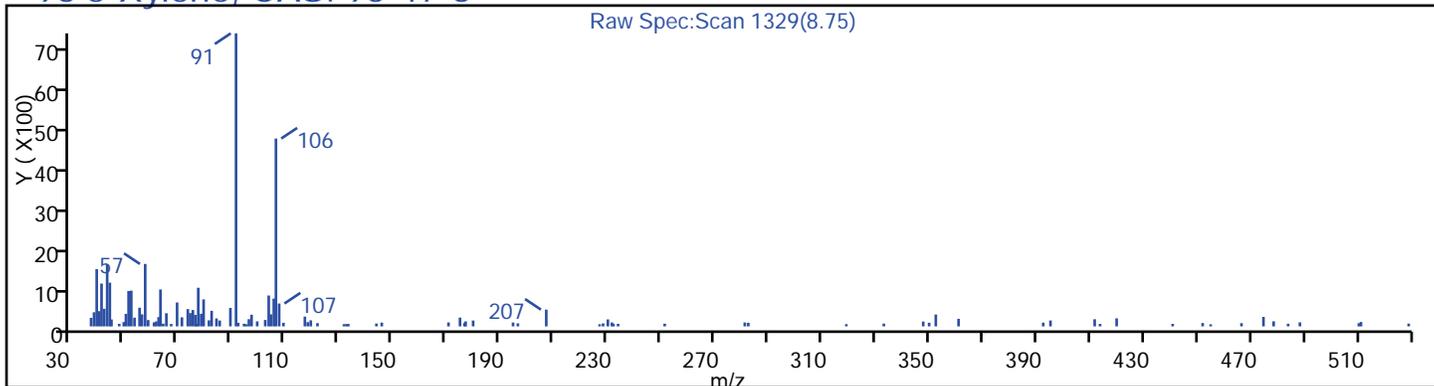
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

96 o-Xylene, CAS: 95-47-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43295.b\B02823.D

Injection Date: 14-Jul-2016 23:05:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-6-A

Lab Sample ID: 460-116858-6

Client ID: W108-SB-2-(0-2)

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 29

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

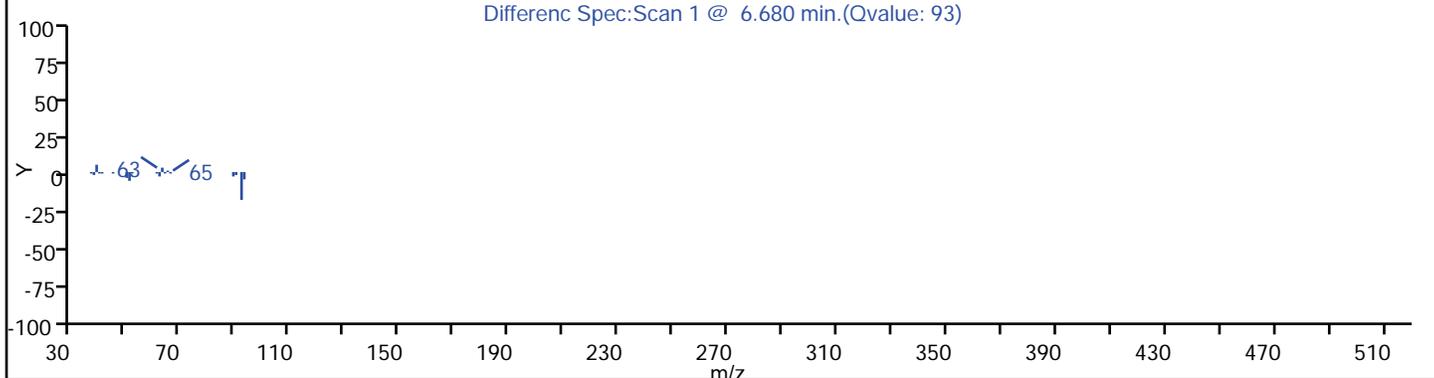
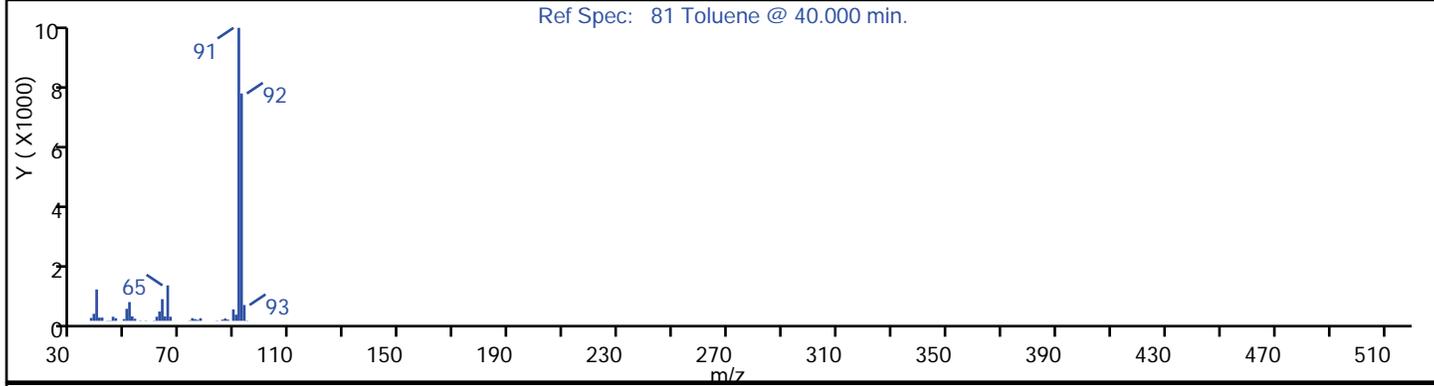
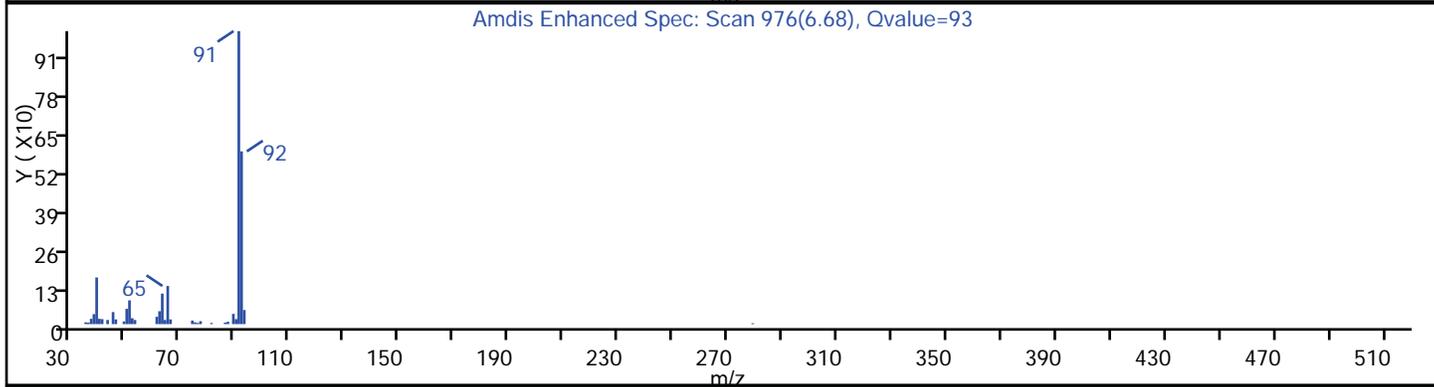
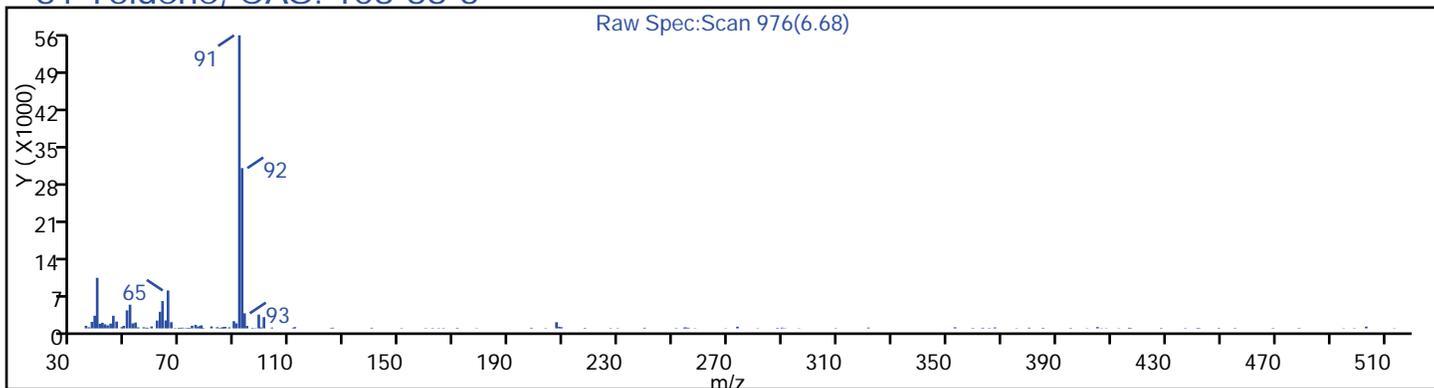
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

81 Toluene, CAS: 108-88-3



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-X(3-4) Lab Sample ID: 460-116858-7  
 Matrix: Solid Lab File ID: D23854.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 13:10  
 Sample wt/vol: 4.68(g) Date Analyzed: 07/15/2016 04:34  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 14.6 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.00048	U	0.0013	0.00048
79-34-5	1,1,2,2-Tetrachloroethane	0.00021	U	0.0013	0.00021
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00055	U	0.0013	0.00055
79-00-5	1,1,2-Trichloroethane	0.00035	U	0.0013	0.00035
75-34-3	1,1-Dichloroethane	0.00043	U	0.0013	0.00043
75-35-4	1,1-Dichloroethene	0.00051	U	0.0013	0.00051
87-61-6	1,2,3-Trichlorobenzene	0.00014	U	0.0013	0.00014
120-82-1	1,2,4-Trichlorobenzene	0.00040	U	0.0013	0.00040
96-12-8	1,2-Dibromo-3-Chloropropane	0.00059	U	0.0013	0.00059
95-50-1	1,2-Dichlorobenzene	0.00018	U	0.0013	0.00018
107-06-2	1,2-Dichloroethane	0.00014	U	0.0013	0.00014
78-87-5	1,2-Dichloropropane	0.00021	U	0.0013	0.00021
541-73-1	1,3-Dichlorobenzene	0.00015	U	0.0013	0.00015
106-46-7	1,4-Dichlorobenzene	0.00016	U	0.0013	0.00016
123-91-1	1,4-Dioxane	0.0080	U	0.025	0.0080
78-93-3	2-Butanone (MEK)	0.00096	U	0.0063	0.00096
591-78-6	2-Hexanone	0.0012	U	0.0063	0.0012
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0028	U	0.0063	0.0028
67-64-1	Acetone	0.040	B	0.0063	0.0013
71-43-2	Benzene	0.00086	J	0.0013	0.00025
75-27-4	Bromodichloromethane	0.00048	U	0.0013	0.00048
75-25-2	Bromoform	0.00016	U	0.0013	0.00016
74-83-9	Bromomethane	0.00040	U	0.0013	0.00040
75-15-0	Carbon disulfide	0.0018		0.0013	0.00054
56-23-5	Carbon tetrachloride	0.00054	U	0.0013	0.00054
108-90-7	Chlorobenzene	0.00018	U	0.0013	0.00018
74-97-5	Chlorobromomethane	0.00021	U	0.0013	0.00021
75-00-3	Chloroethane	0.00044	U	0.0013	0.00044
67-66-3	Chloroform	0.00026	U	0.0013	0.00026
74-87-3	Chloromethane	0.00048	U	0.0013	0.00048
156-59-2	cis-1,2-Dichloroethene	0.00028	U	0.0013	0.00028
10061-01-5	cis-1,3-Dichloropropene	0.00019	U	0.0013	0.00019
110-82-7	Cyclohexane	0.00058	U	0.0013	0.00058
124-48-1	Dibromochloromethane	0.00019	U	0.0013	0.00019
75-71-8	Dichlorodifluoromethane	0.00040	U *	0.0013	0.00040

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-X(3-4) Lab Sample ID: 460-116858-7  
 Matrix: Solid Lab File ID: D23854.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 13:10  
 Sample wt/vol: 4.68(g) Date Analyzed: 07/15/2016 04:34  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 14.6 Level: (low/med) Low  
 Analysis Batch No.: 379152 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.00088	J	0.0013	0.00023
106-93-4	Ethylene Dibromide	0.00015	U	0.0013	0.00015
98-82-8	Isopropylbenzene	0.015		0.0013	0.00021
179601-23-1	m&p-Xylene	0.0035		0.0013	0.00014
79-20-9	Methyl acetate	0.0011	U	0.0063	0.0011
1634-04-4	Methyl tert-butyl ether	0.00021	U	0.0013	0.00021
108-87-2	Methylcyclohexane	0.00063	U	0.0013	0.00063
75-09-2	Methylene Chloride	0.00040	U	0.0013	0.00040
95-47-6	o-Xylene	0.00089	J	0.0013	0.00020
100-42-5	Styrene	0.00019	U	0.0013	0.00019
127-18-4	Tetrachloroethene	0.00035	U	0.0013	0.00035
108-88-3	Toluene	0.0027		0.0013	0.00024
156-60-5	trans-1,2-Dichloroethene	0.00049	U	0.0013	0.00049
10061-02-6	trans-1,3-Dichloropropene	0.00013	U	0.0013	0.00013
79-01-6	Trichloroethene	0.00033	U	0.0013	0.00033
75-69-4	Trichlorofluoromethane	0.00043	U *	0.0013	0.00043
75-01-4	Vinyl chloride	0.00049	U	0.0013	0.00049
1330-20-7	Xylenes, Total	0.0044		0.0025	0.00014

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		78-135
460-00-4	4-Bromofluorobenzene	92		67-126
1868-53-7	Dibromofluoromethane (Surr)	96		61-149
2037-26-5	Toluene-d8 (Surr)	103		73-121

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D  
 Lims ID: 460-116858-B-7-A  
 Client ID: W108-SB-X(3-4)  
 Sample Type: Client  
 Inject. Date: 15-Jul-2016 04:34:30 ALS Bottle#: 22 Worklist Smp#: 23  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-B-7-A  
 Misc. Info.: 460-0043309-023  
 Operator ID: Instrument ID: CVOAMS4  
 Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\8260S\_4.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 19-Jul-2016 20:19:55 Calib Date: 15-Jun-2016 19:04:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160615-42196.b\D22648.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK049

First Level Reviewer: martineze Date: 15-Jul-2016 10:13:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	3.168	3.168	0.000	86	30276	32.3	
20 Carbon disulfide	76	3.254	3.254	0.000	99	16876	1.44	
* 27 TBA-d9 (IS)	65	3.607	3.607	0.000	39	343105	1000.0	
* 38 2-Butanone-d5	46	4.900	4.906	-0.006	0	264641	250.0	
\$ 51 Dibromofluoromethane (Surr	113	5.479	5.479	0.000	97	156023	48.1	
55 Benzene	78	5.869	5.875	-0.006	41	9177	0.6857	
\$ 56 1,2-Dichloroethane-d4 (Sur	65	5.899	5.899	0.000	99	213814	65.5	
* 61 Fluorobenzene	96	6.235	6.241	-0.006	98	577713	50.0	
* 67 1,4-Dioxane-d8	96	7.076	7.076	0.000	0	31576	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.990	7.990	0.000	99	545439	51.3	
79 Toluene	91	8.051	8.051	0.000	92	29963	2.14	
* 89 Chlorobenzene-d5	117	9.295	9.295	0.000	90	446586	50.0	
91 Ethylbenzene	106	9.380	9.380	0.000	58	3443	0.7010	
93 m-Xylene & p-Xylene	106	9.478	9.478	0.000	57	16941	2.83	
95 o-Xylene	106	9.795	9.795	0.000	46	4380	0.7134	
99 Isopropylbenzene	105	10.063	10.063	0.000	98	191817	12.0	
\$ 100 4-Bromofluorobenzene	174	10.222	10.222	0.000	94	191287	45.8	
* 116 1,4-Dichlorobenzene-d4	152	11.057	11.057	0.000	97	278150	50.0	
S 131 Xylenes, Total	100				0		3.54	

Reagents:

8260ISNEW\_00078 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00132 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Operator ID:

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Worklist Smp#: 23

Client ID: W108-SB-X(3-4)

Purge Vol: 5.000 mL

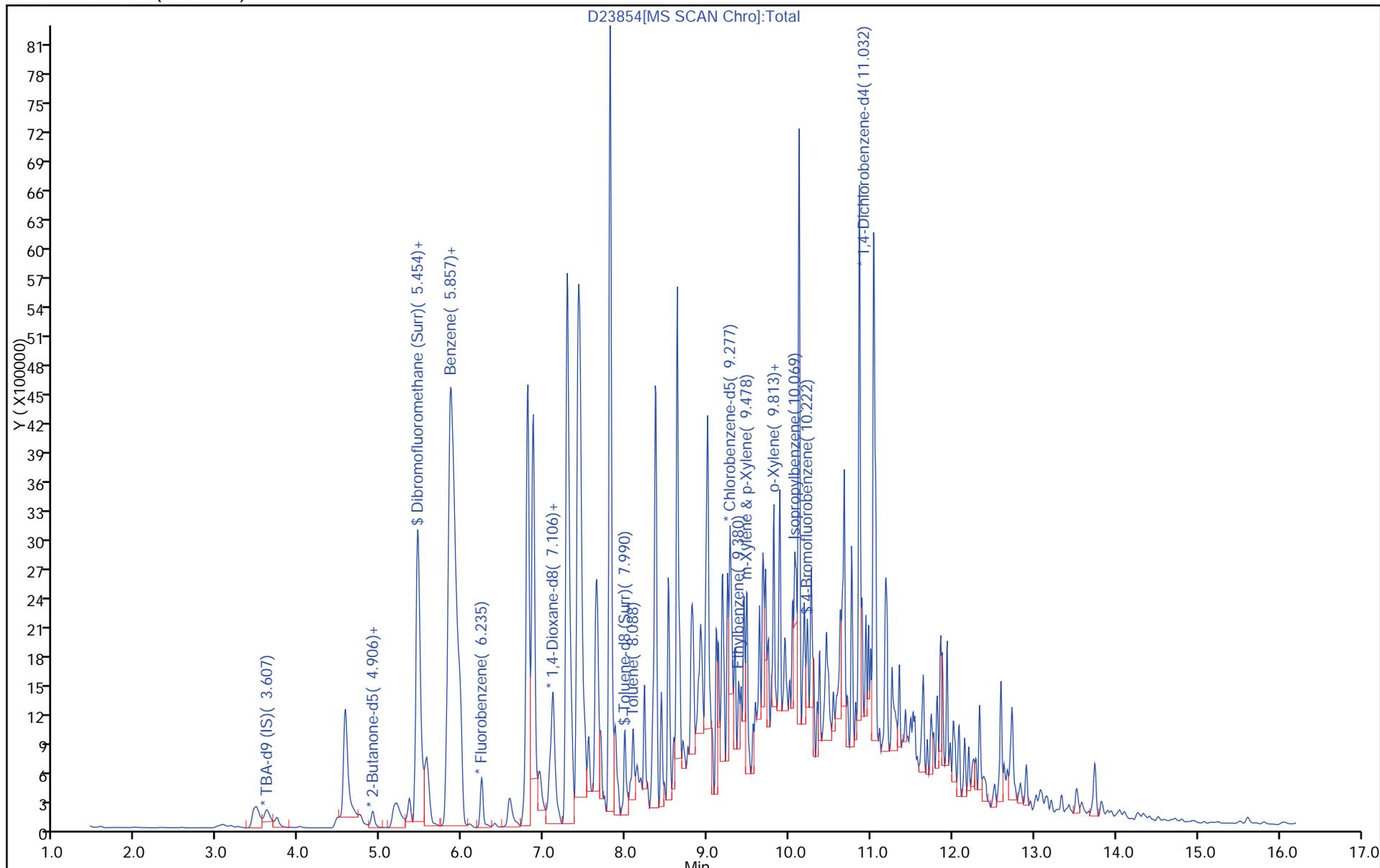
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

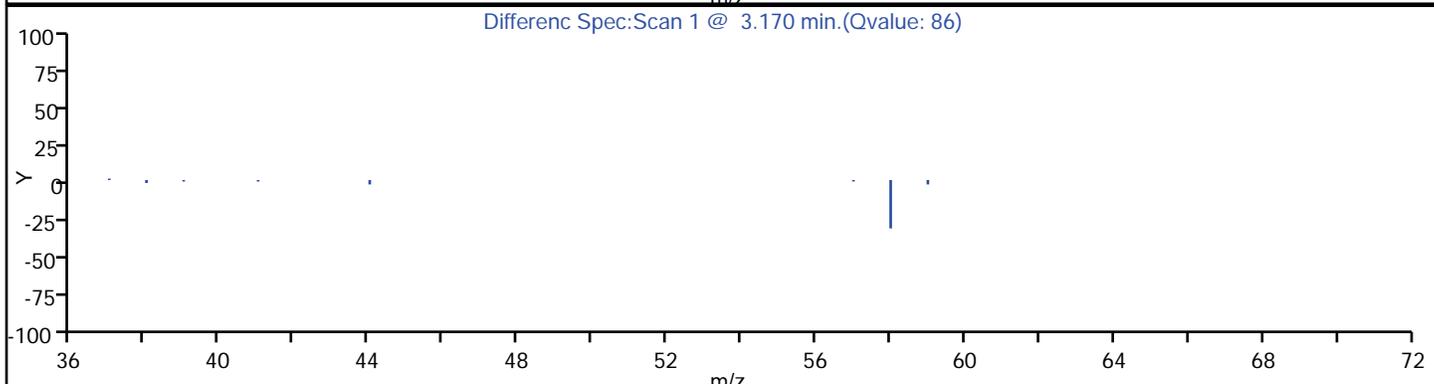
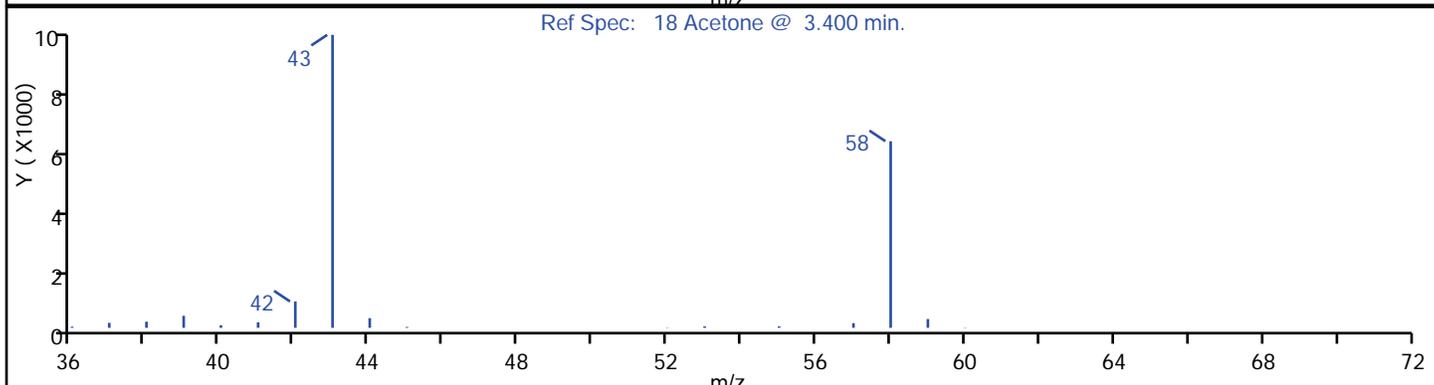
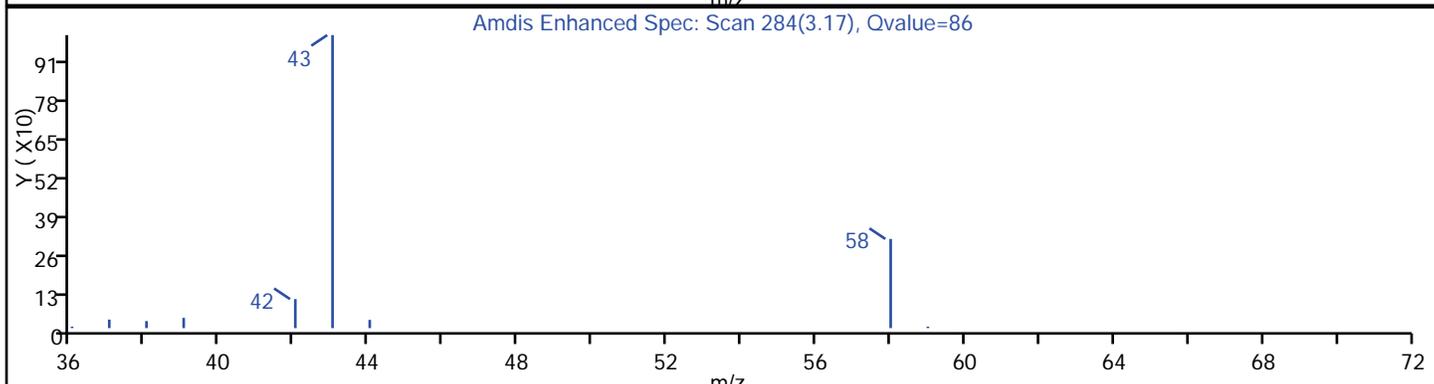
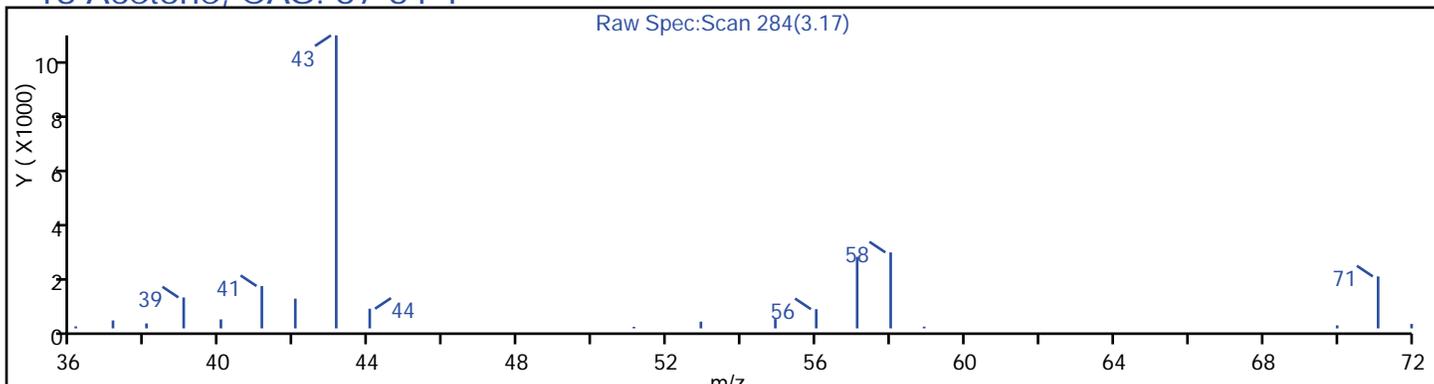
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

18 Acetone, CAS: 67-64-1



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

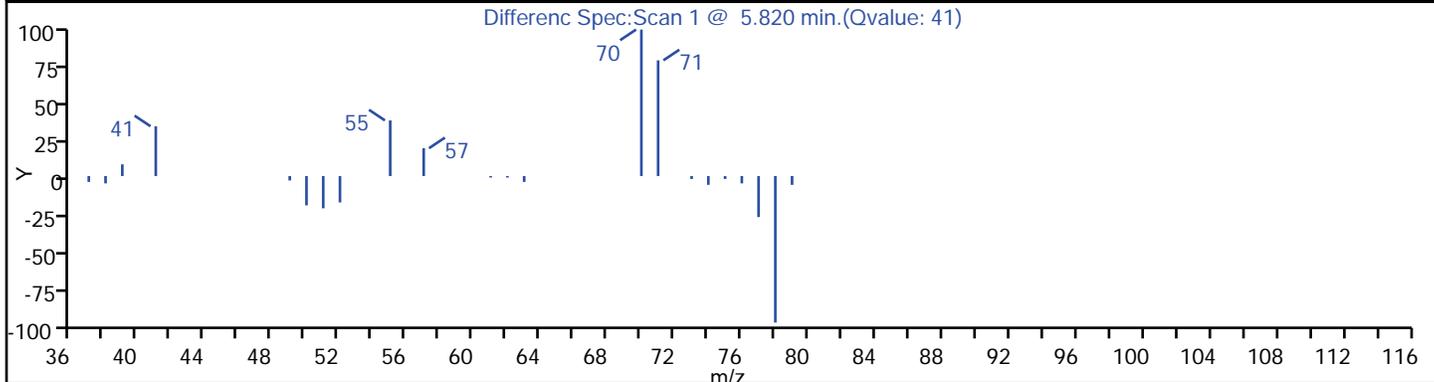
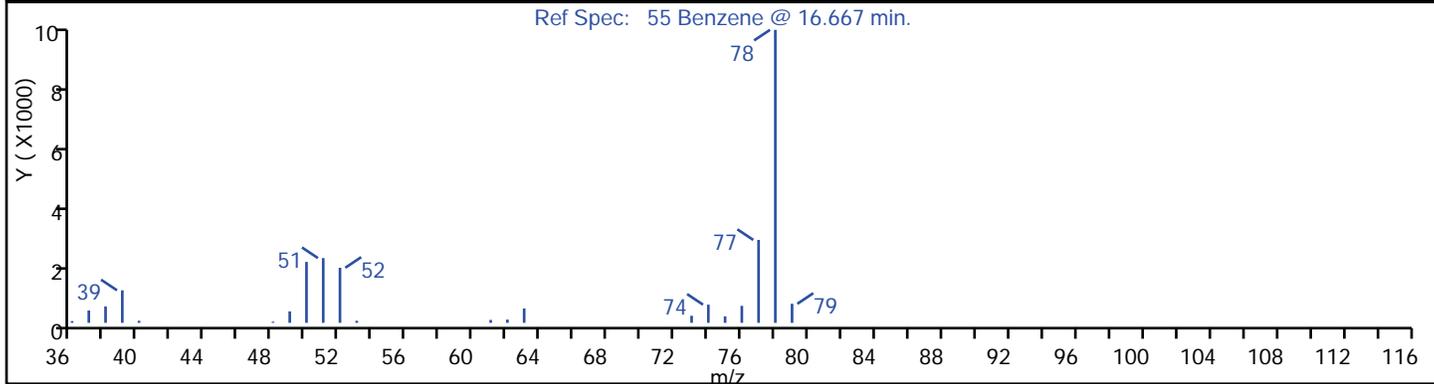
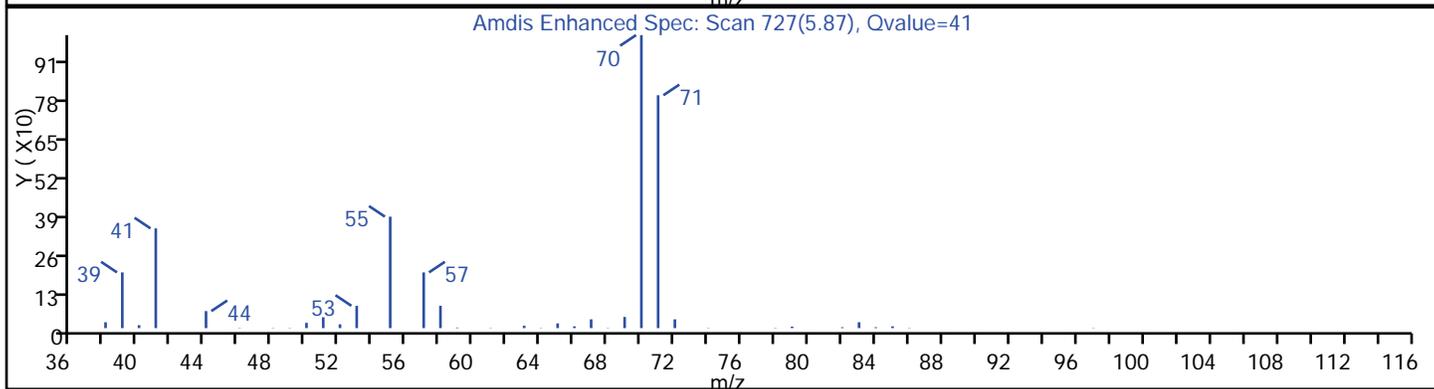
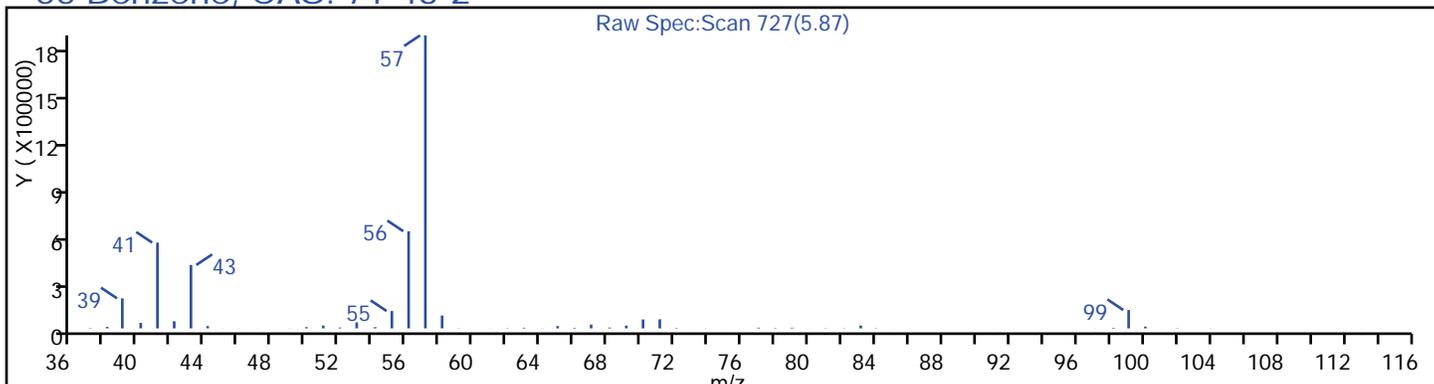
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

55 Benzene, CAS: 71-43-2



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

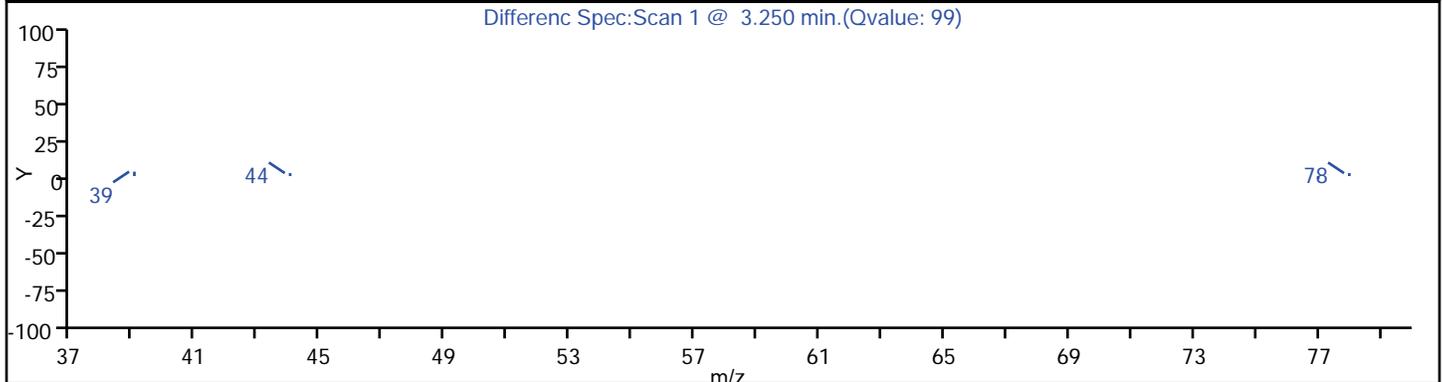
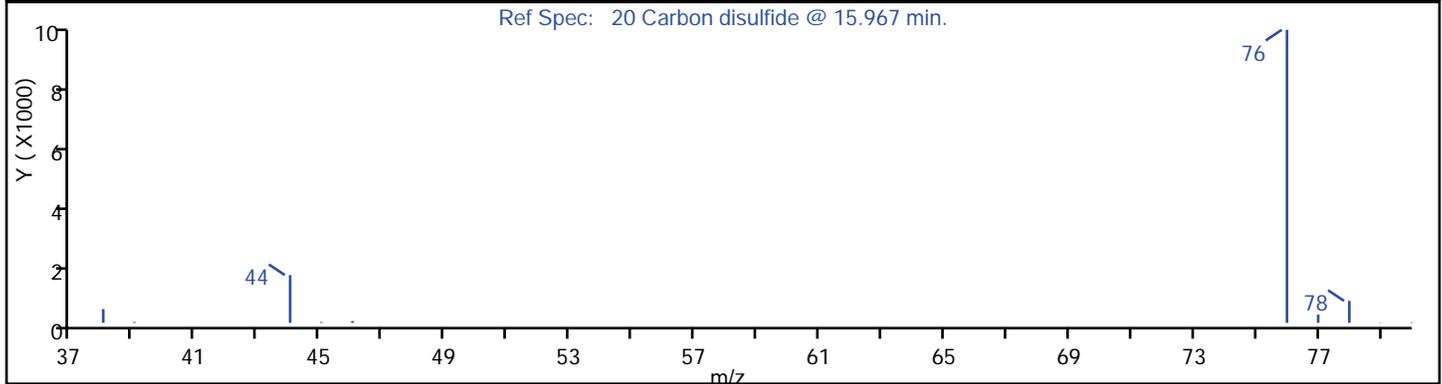
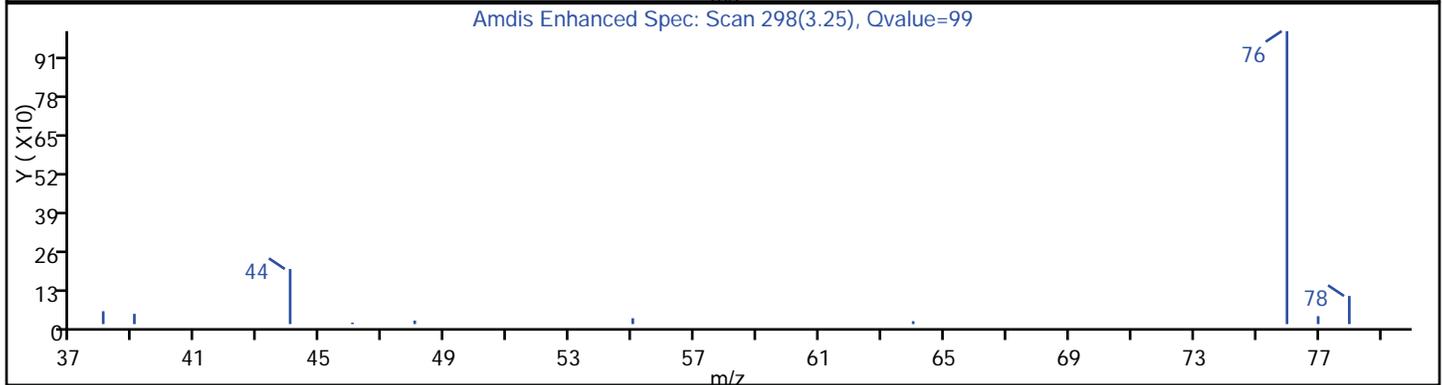
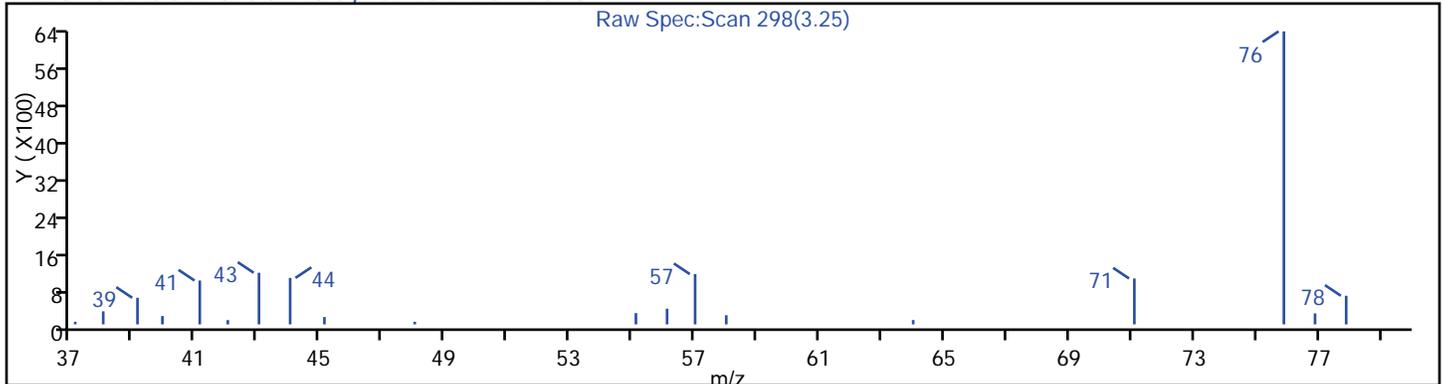
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

20 Carbon disulfide, CAS: 75-15-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

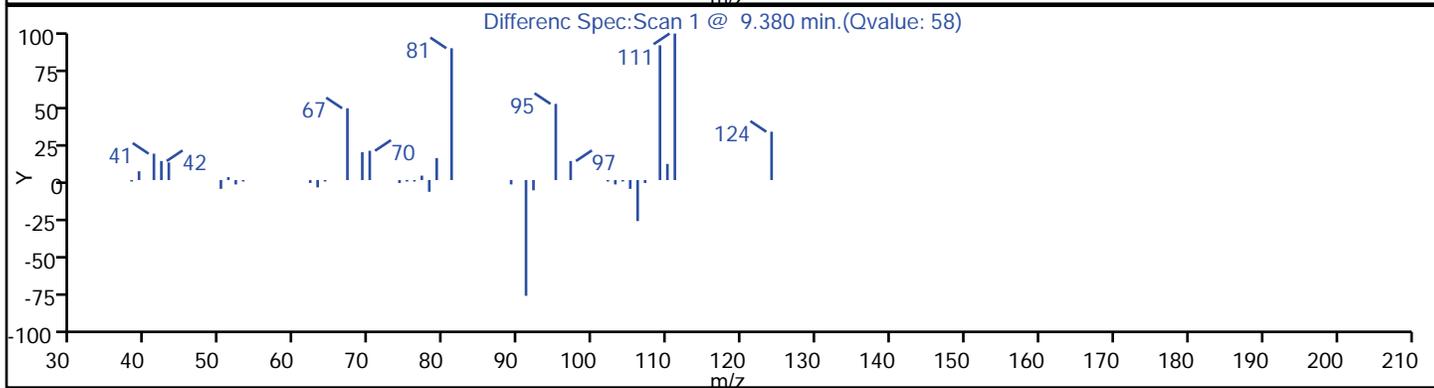
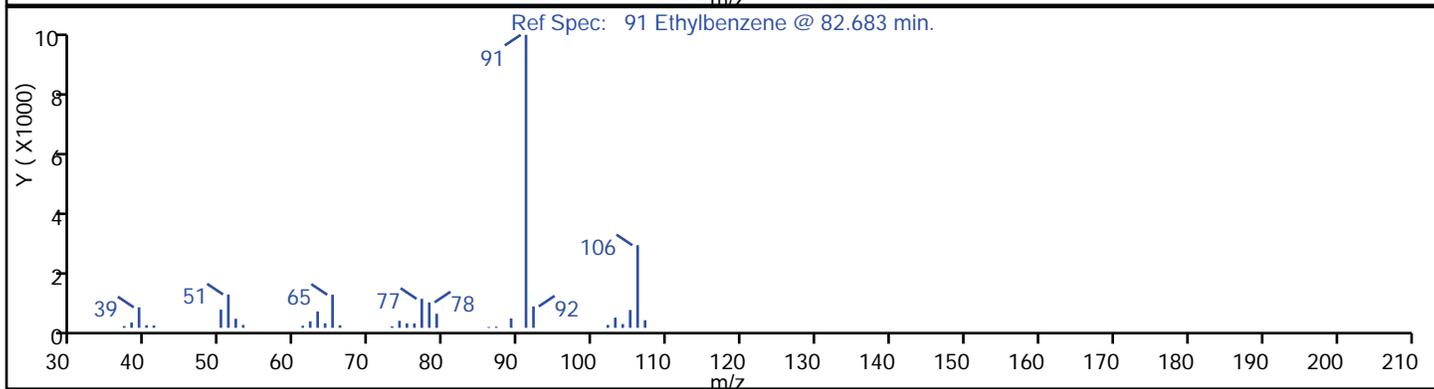
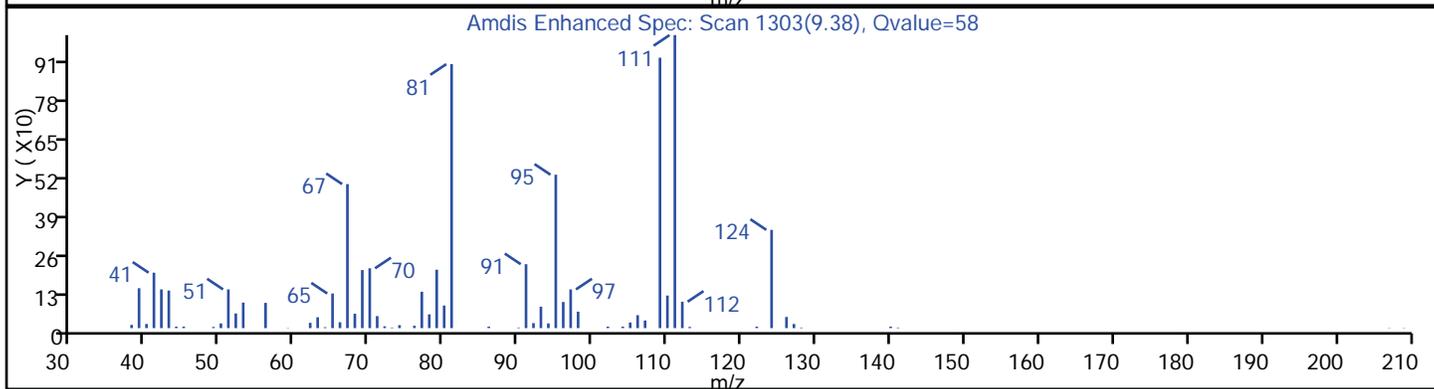
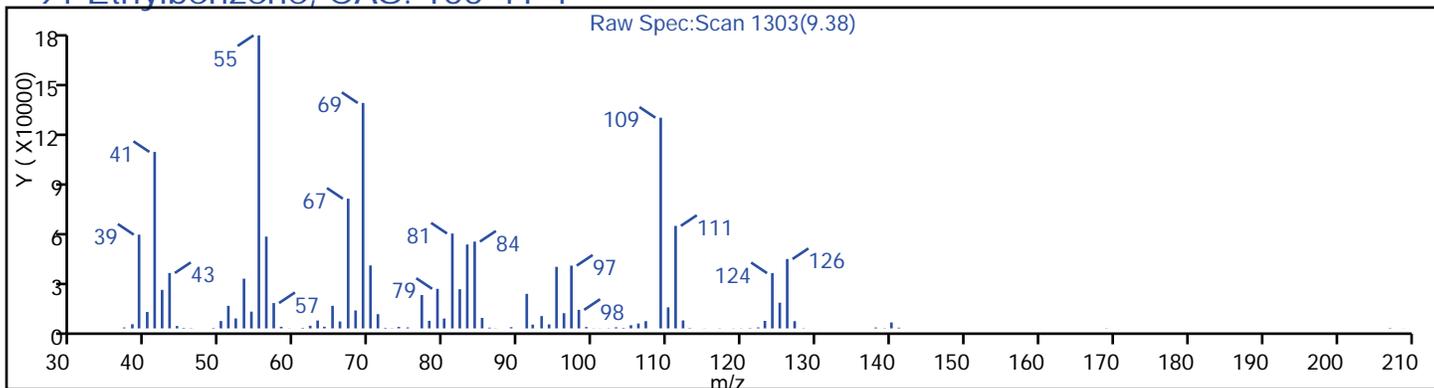
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

91 Ethylbenzene, CAS: 100-41-4



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

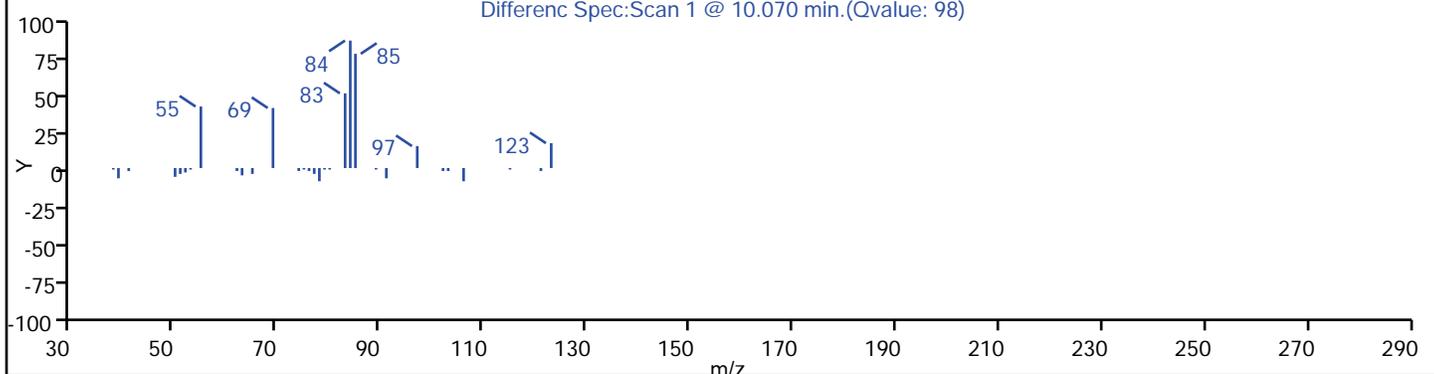
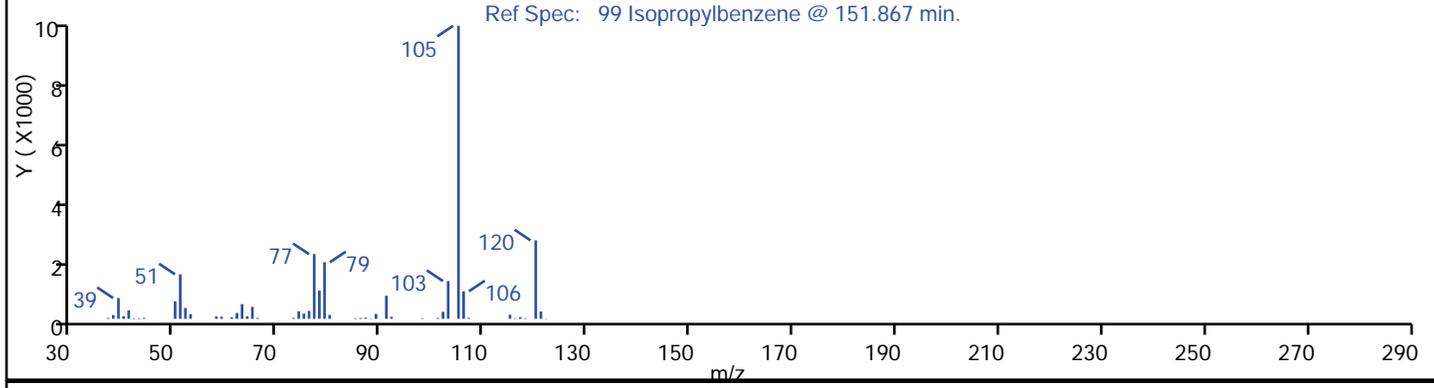
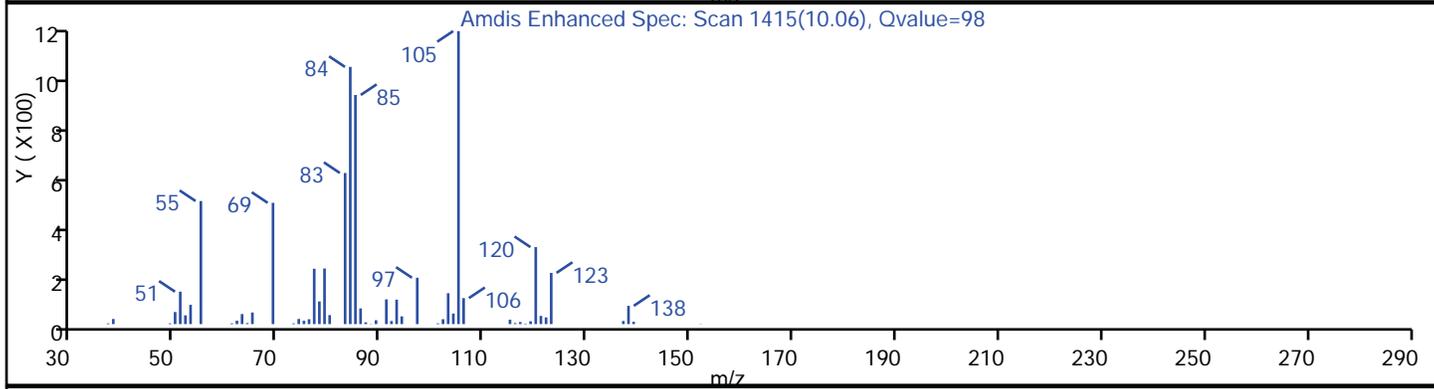
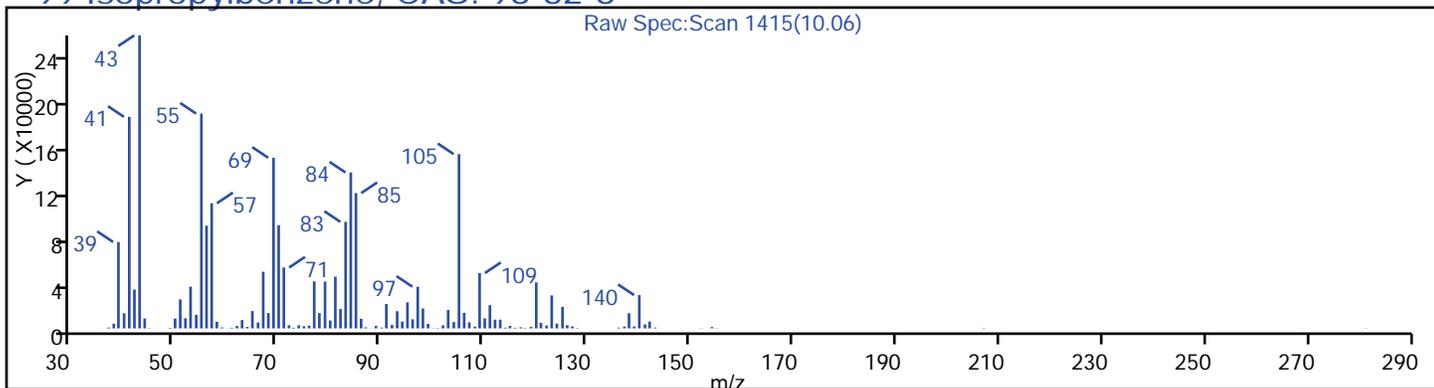
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

99 Isopropylbenzene, CAS: 98-82-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

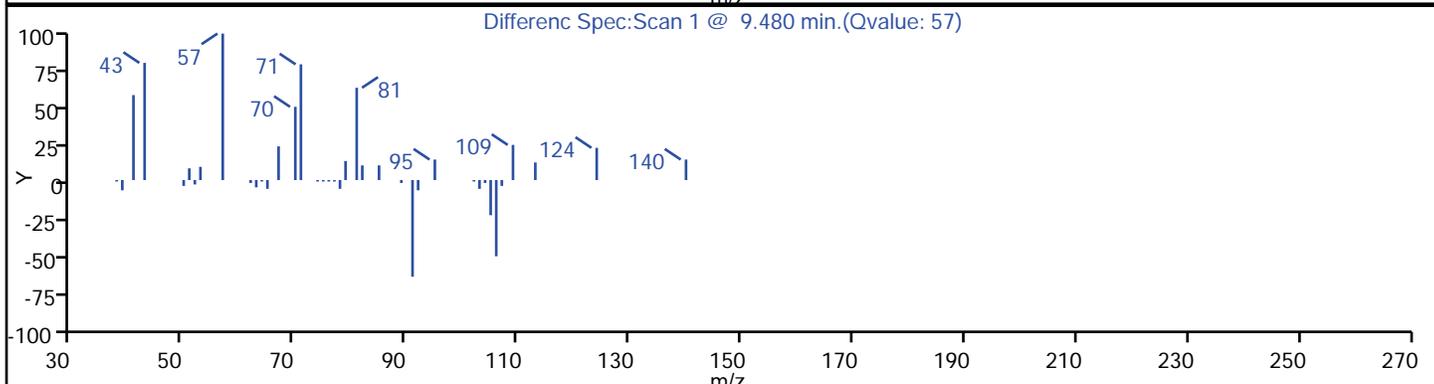
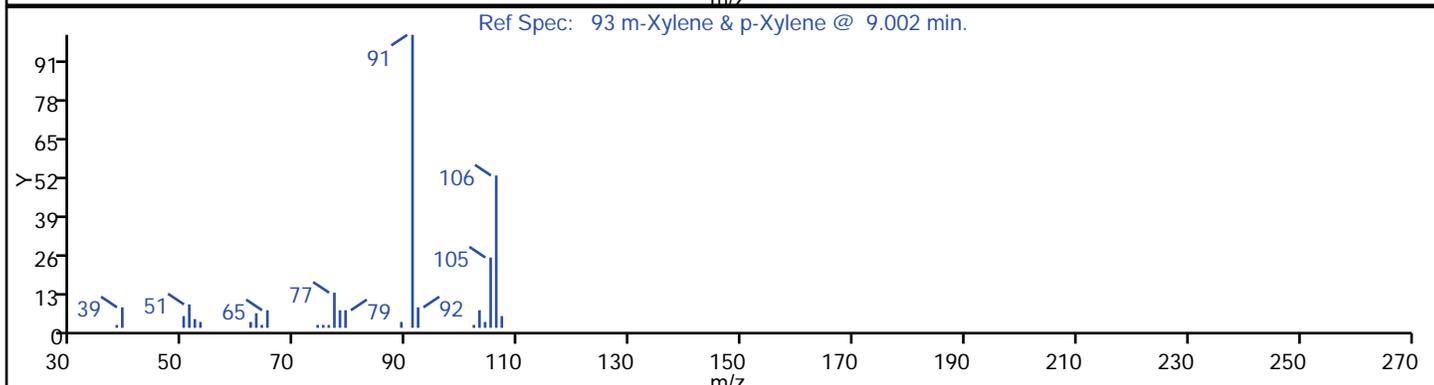
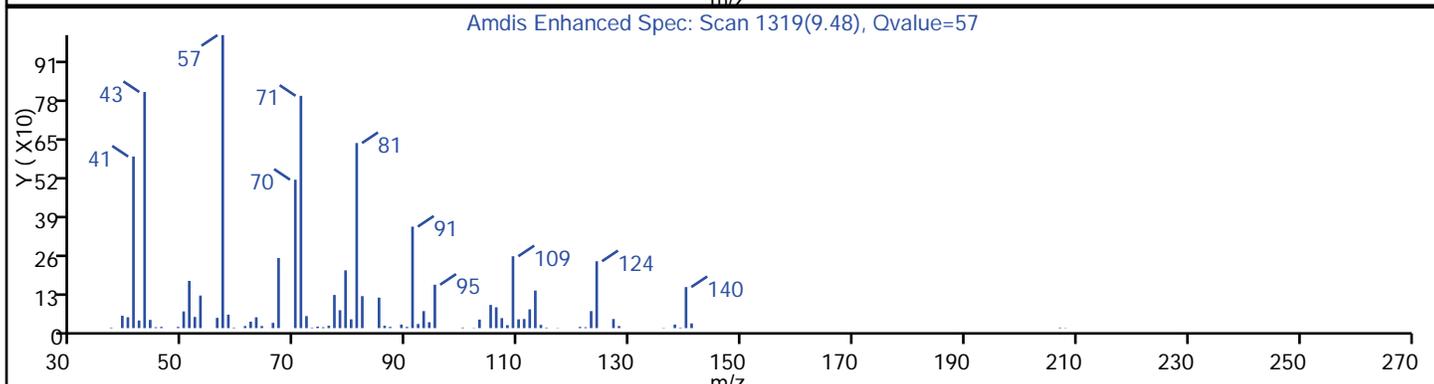
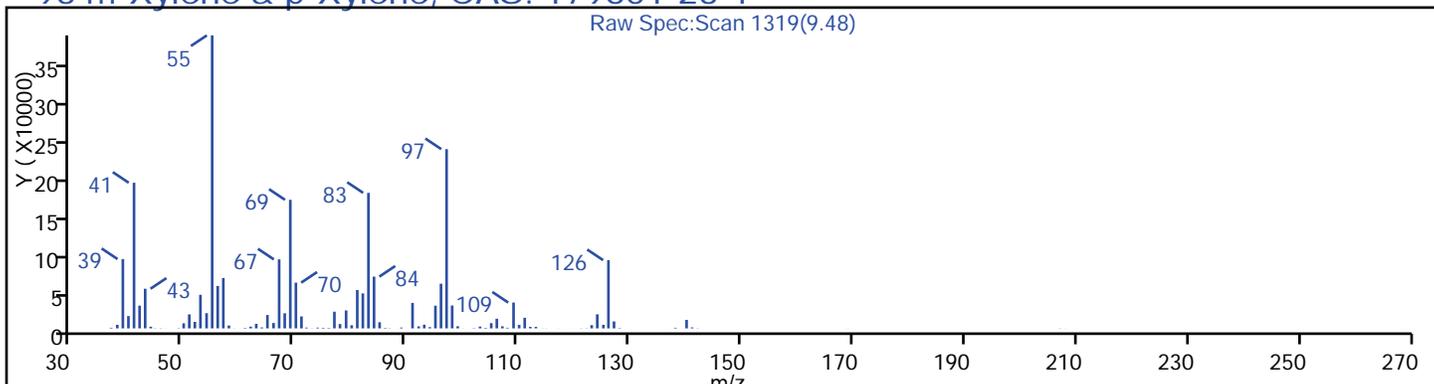
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

93 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

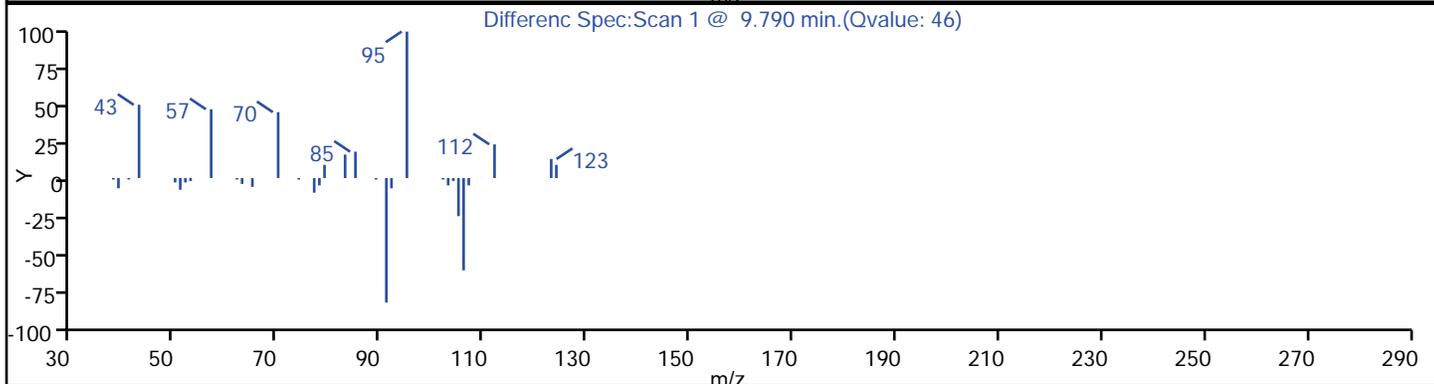
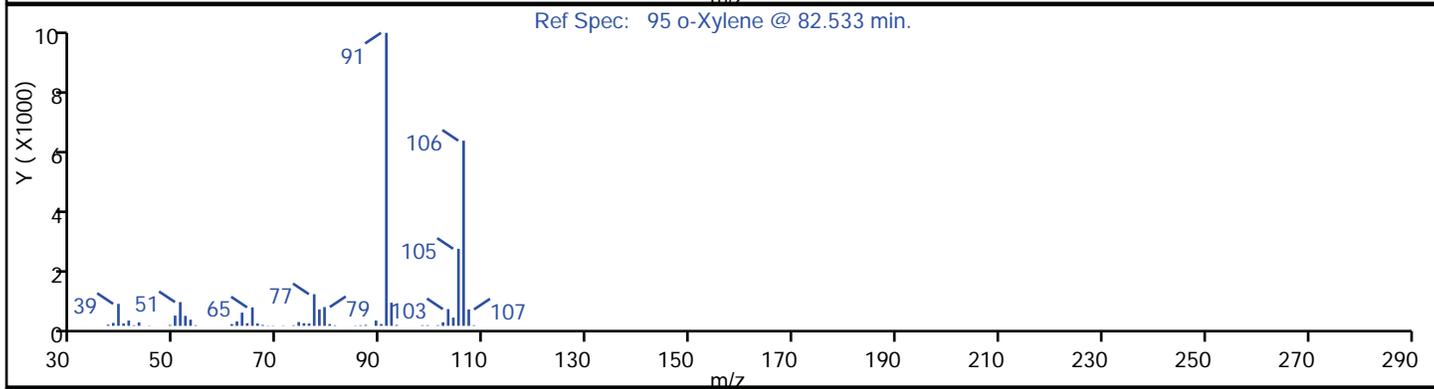
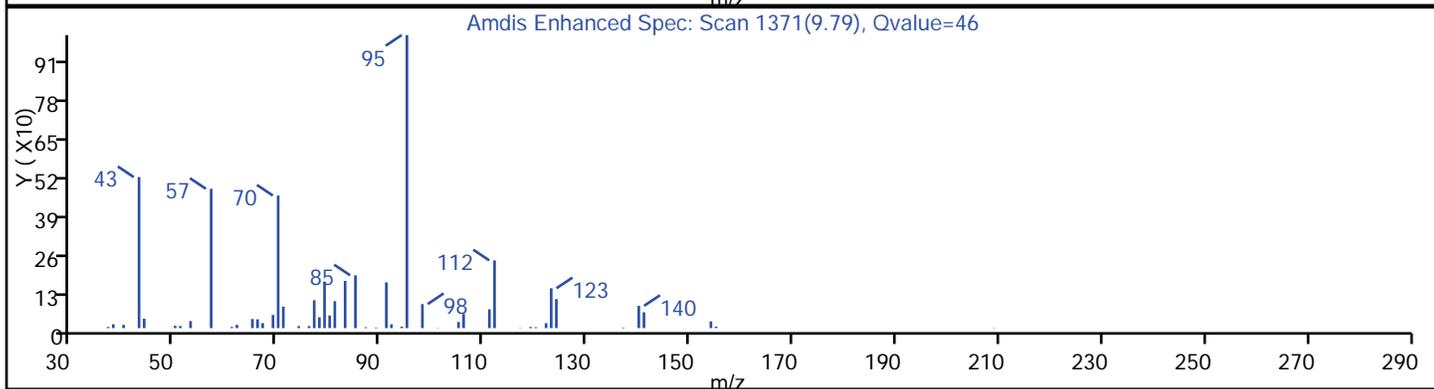
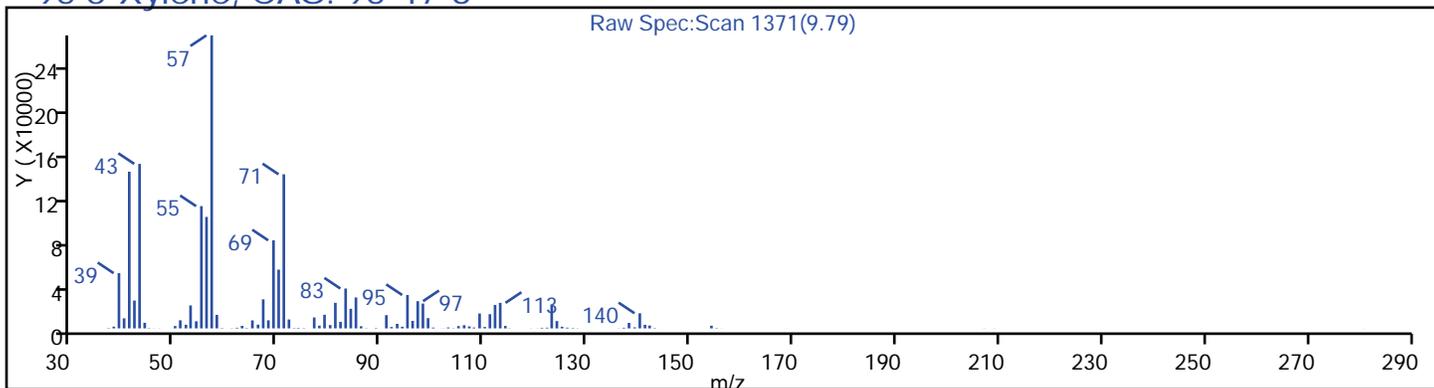
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

95 o-Xylene, CAS: 95-47-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43309.b\D23854.D

Injection Date: 15-Jul-2016 04:34:30

Instrument ID: CVOAMS4

Lims ID: 460-116858-B-7-A

Lab Sample ID: 460-116858-7

Client ID: W108-SB-X(3-4)

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 23

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

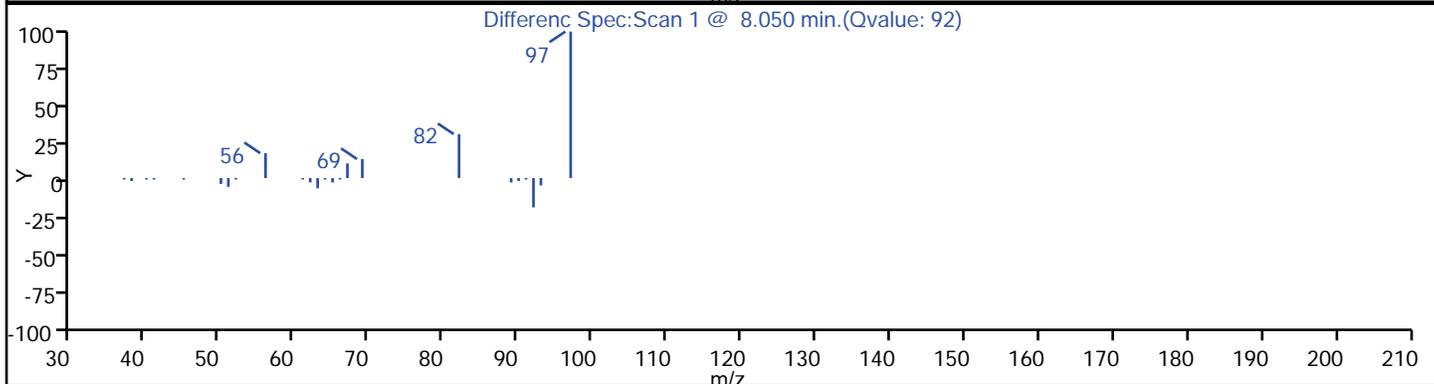
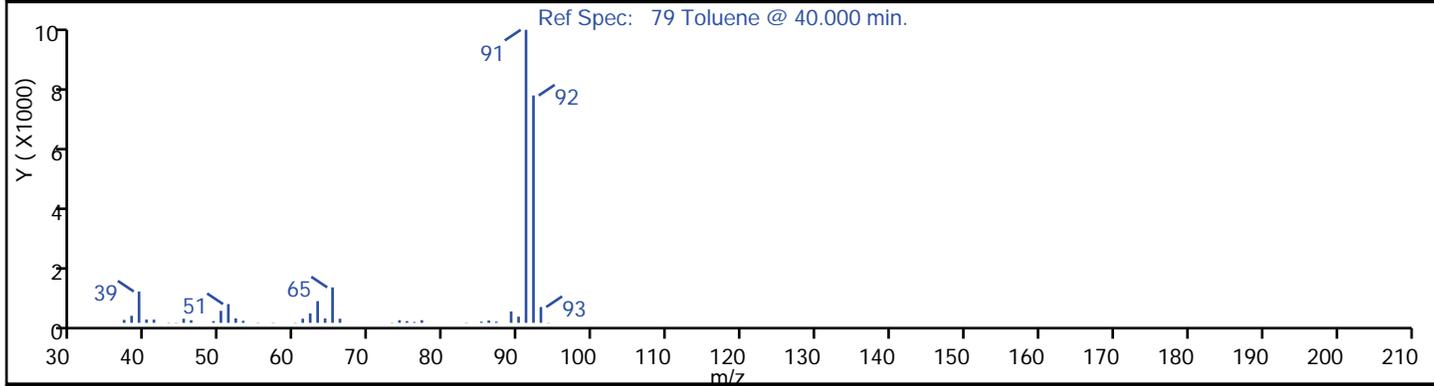
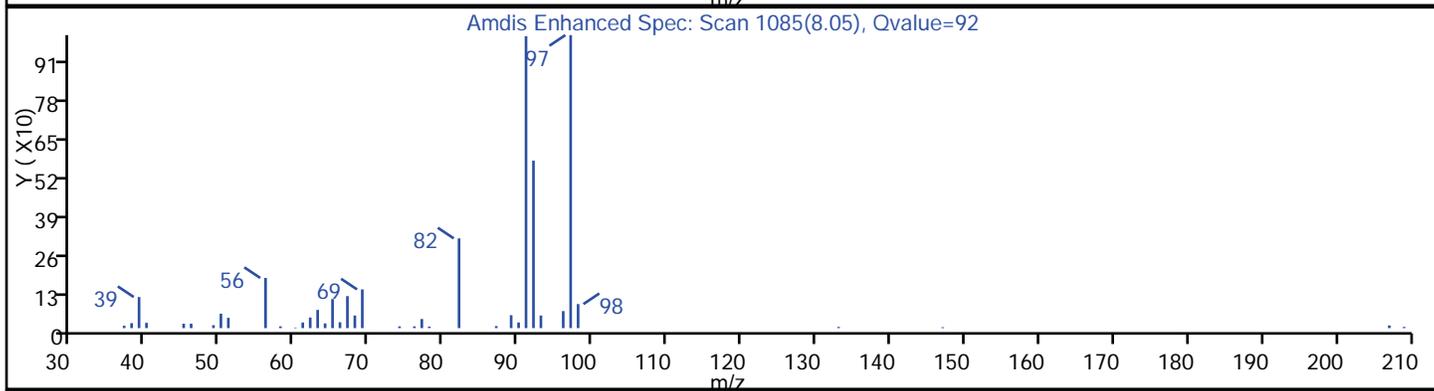
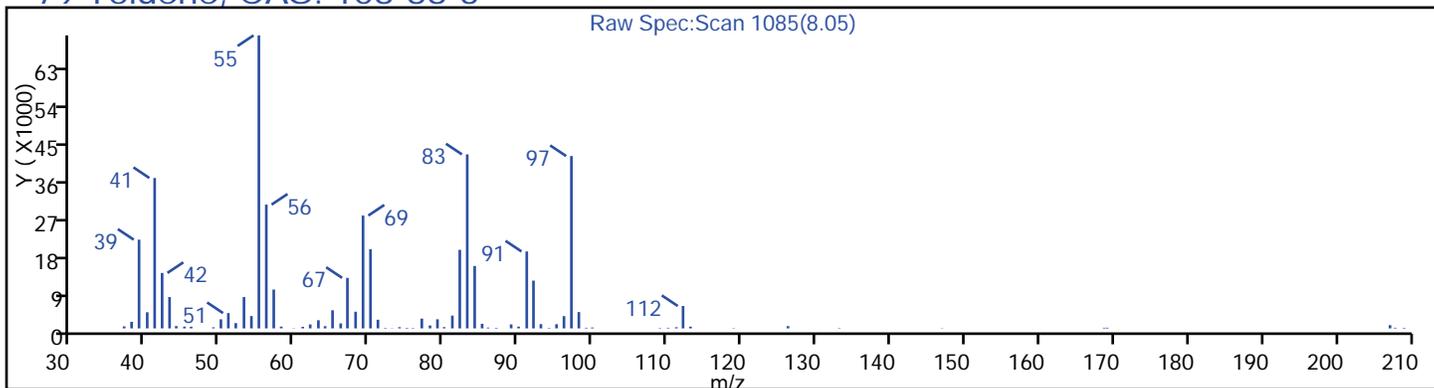
Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

79 Toluene, CAS: 108-88-3



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-2(3-4) Lab Sample ID: 460-116858-8  
 Matrix: Solid Lab File ID: B02837.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 13:25  
 Sample wt/vol: 5.00(g) Date Analyzed: 07/15/2016 04:59  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 12.0 Level: (low/med) Medium  
 Analysis Batch No.: 379154 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.032	U	0.11	0.032
79-34-5	1,1,2,2-Tetrachloroethane	0.022	U	0.11	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.039	U	0.11	0.039
79-00-5	1,1,2-Trichloroethane	0.0091	U	0.11	0.0091
75-34-3	1,1-Dichloroethane	0.027	U	0.11	0.027
75-35-4	1,1-Dichloroethene	0.039	U	0.11	0.039
87-61-6	1,2,3-Trichlorobenzene	0.040	U	0.11	0.040
120-82-1	1,2,4-Trichlorobenzene	0.031	U	0.11	0.031
96-12-8	1,2-Dibromo-3-Chloropropane	0.026	U	0.11	0.026
95-50-1	1,2-Dichlorobenzene	0.025	U	0.11	0.025
107-06-2	1,2-Dichloroethane	0.028	U	0.11	0.028
78-87-5	1,2-Dichloropropane	0.020	U	0.11	0.020
541-73-1	1,3-Dichlorobenzene	0.038	U	0.11	0.038
106-46-7	1,4-Dichlorobenzene	0.038	U	0.11	0.038
123-91-1	1,4-Dioxane	0.99	U	2.8	0.99
78-93-3	2-Butanone (MEK)	0.25	U	0.57	0.25
591-78-6	2-Hexanone	0.082	U	0.57	0.082
108-10-1	4-Methyl-2-pentanone (MIBK)	0.072	U	0.57	0.072
67-64-1	Acetone	0.12	U	0.57	0.12
71-43-2	Benzene	0.022	U	0.11	0.022
75-27-4	Bromodichloromethane	0.017	U	0.11	0.017
75-25-2	Bromoform	0.020	U *	0.11	0.020
74-83-9	Bromomethane	0.020	U	0.11	0.020
75-15-0	Carbon disulfide	0.025	U	0.11	0.025
56-23-5	Carbon tetrachloride	0.038	U	0.11	0.038
108-90-7	Chlorobenzene	0.027	U	0.11	0.027
74-97-5	Chlorobromomethane	0.034	U	0.11	0.034
75-00-3	Chloroethane	0.042	U	0.11	0.042
67-66-3	Chloroform	0.025	U	0.11	0.025
74-87-3	Chloromethane	0.025	U	0.11	0.025
156-59-2	cis-1,2-Dichloroethene	0.030	U	0.11	0.030
10061-01-5	cis-1,3-Dichloropropene	0.018	U	0.11	0.018
110-82-7	Cyclohexane	0.030	U	0.11	0.030
124-48-1	Dibromochloromethane	0.025	U *	0.11	0.025
75-71-8	Dichlorodifluoromethane	0.016	U	0.11	0.016

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-2(3-4) Lab Sample ID: 460-116858-8  
 Matrix: Solid Lab File ID: B02837.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 13:25  
 Sample wt/vol: 5.00(g) Date Analyzed: 07/15/2016 04:59  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 12.0 Level: (low/med) Medium  
 Analysis Batch No.: 379154 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.12		0.11	0.034
106-93-4	Ethylene Dibromide	0.022	U	0.11	0.022
98-82-8	Isopropylbenzene	0.34		0.11	0.036
179601-23-1	m&p-Xylene	0.35		0.11	0.032
79-20-9	Methyl acetate	0.066	U	0.57	0.066
1634-04-4	Methyl tert-butyl ether	0.015	U	0.11	0.015
108-87-2	Methylcyclohexane	0.025	U	0.11	0.025
75-09-2	Methylene Chloride	0.024	U	0.11	0.024
95-47-6	o-Xylene	0.061	J	0.11	0.036
100-42-5	Styrene	0.019	U	0.11	0.019
127-18-4	Tetrachloroethene	0.041	U	0.11	0.041
108-88-3	Toluene	0.18		0.11	0.028
156-60-5	trans-1,2-Dichloroethene	0.020	U	0.11	0.020
10061-02-6	trans-1,3-Dichloropropene	0.022	U	0.11	0.022
79-01-6	Trichloroethene	0.025	U	0.11	0.025
75-69-4	Trichlorofluoromethane	0.017	U	0.11	0.017
75-01-4	Vinyl chloride	0.023	U	0.11	0.023
1330-20-7	Xylenes, Total	0.41		0.23	0.032

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		69-145
460-00-4	4-Bromofluorobenzene	98		64-131
1868-53-7	Dibromofluoromethane (Surr)	96		74-134
2037-26-5	Toluene-d8 (Surr)	99		72-136

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D  
 Lims ID: 460-116858-A-8-A  
 Client ID: W108-SB-2(3-4)  
 Sample Type: Client  
 Inject. Date: 15-Jul-2016 04:59:30 ALS Bottle#: 11 Worklist Smp#: 12  
 Purge Vol: 5.000 mL Dil. Factor: 50.0000  
 Sample Info: 460-116858-A-8-A  
 Misc. Info.: 460-0043310-012  
 Operator ID: Instrument ID: CVOAMS2  
 Method: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\8260W\_2.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 19-Jul-2016 10:25:44 Calib Date: 13-Jul-2016 03:02:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS2\20160712-43218.b\B02717.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK013

First Level Reviewer: baronm Date: 19-Jul-2016 10:25:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 27 TBA-d9 (IS)	65	2.578	2.554	0.024	88	423667	1000.0	
* 158 2-Butanone-d5	46	3.596	3.590	0.006	94	464617	250.0	
\$ 51 Dibromofluoromethane (Surr	113	4.090	4.090	0.000	95	142720	48.1	
\$ 57 1,2-Dichloroethane-d4 (Sur	65	4.443	4.437	0.006	94	234401	58.9	
* 62 Fluorobenzene	96	4.731	4.725	0.006	97	605893	50.0	
* 69 1,4-Dioxane-d8	96	5.537	5.525	0.012	35	31971	1000.0	
\$ 80 Toluene-d8 (Surr)	98	6.595	6.590	0.005	98	515335	49.4	
81 Toluene	91	6.689	6.678	0.011	92	21922	1.62	
* 91 Chlorobenzene-d5	117	8.184	8.184	0.000	92	424874	50.0	
93 Ethylbenzene	106	8.289	8.289	0.000	46	4751	1.07	
95 m-Xylene & p-Xylene	106	8.401	8.401	0.000	45	16660	3.04	
96 o-Xylene	106	8.748	8.742	0.006	38	3119	0.5328	
101 Isopropylbenzene	105	9.042	9.042	0.000	53	36318	3.01	
\$ 102 4-Bromofluorobenzene	174	9.207	9.207	0.000	89	154379	48.8	
* 119 1,4-Dichlorobenzene-d4	152	10.078	10.078	0.000	96	239891	50.0	
S 135 Xylenes, Total	100				0		3.58	

Reagents:

8260ISNEW\_00077 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Operator ID:

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Worklist Smp#: 12

Client ID: W108-SB-2(3-4)

Purge Vol: 5.000 mL

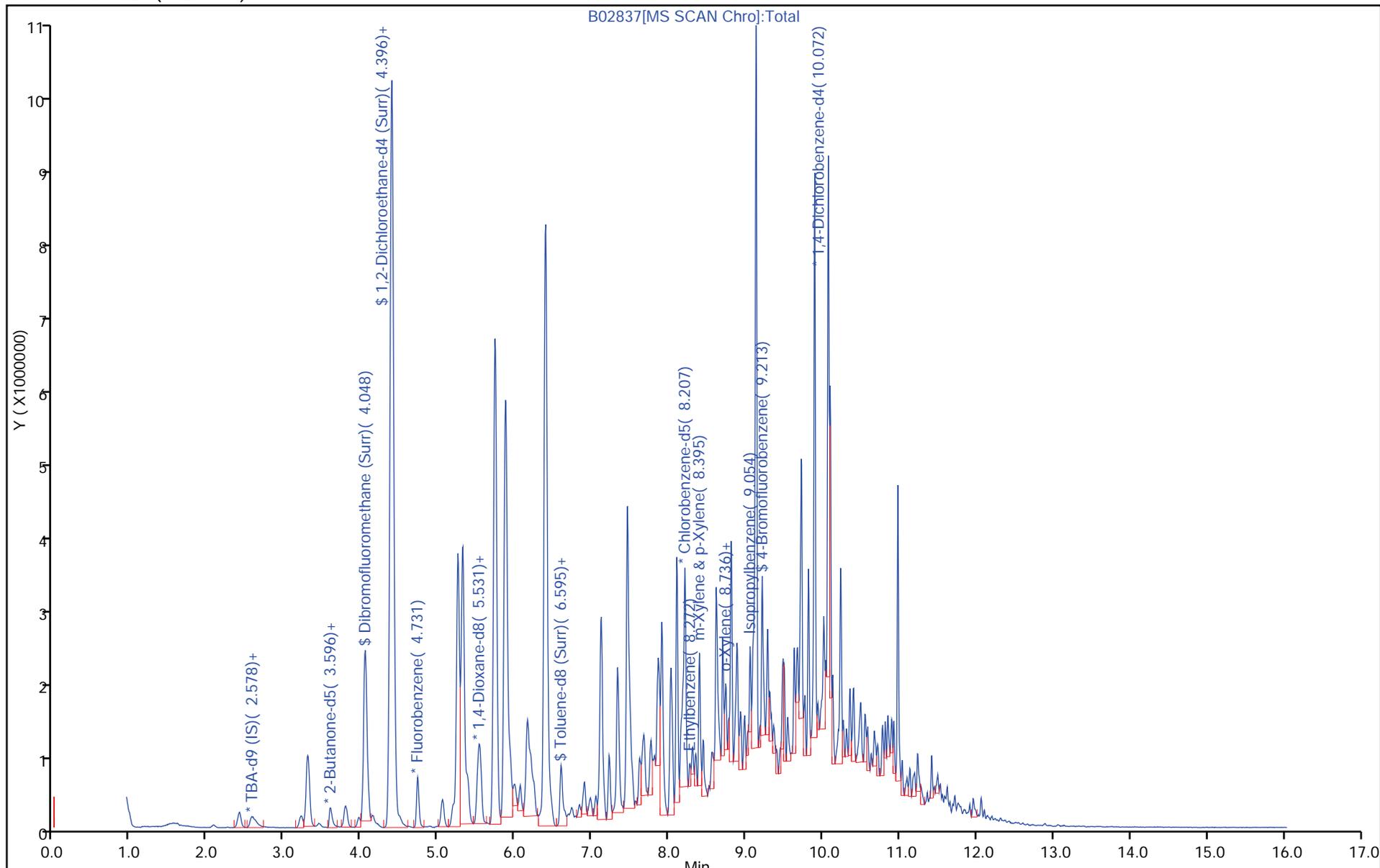
Dil. Factor: 50.0000

ALS Bottle#: 11

Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

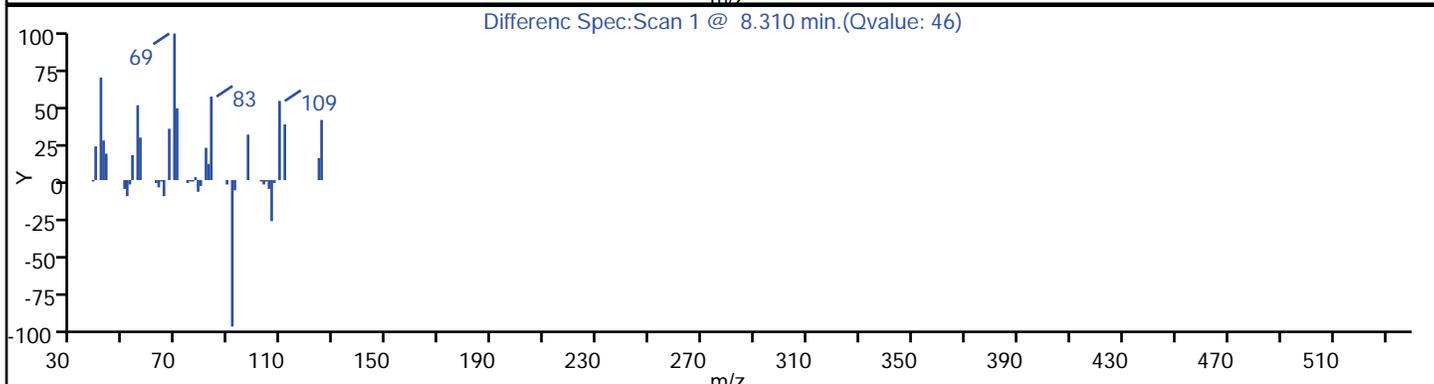
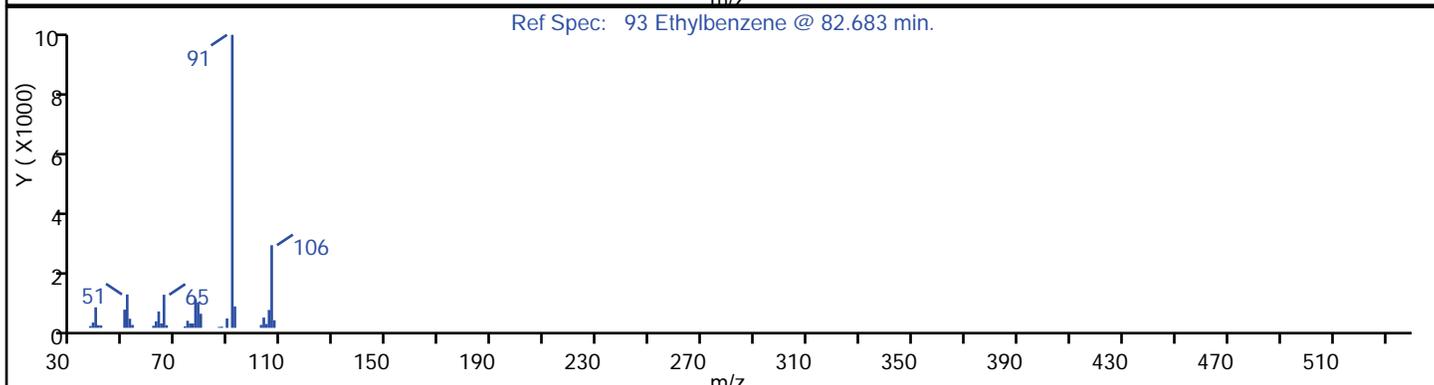
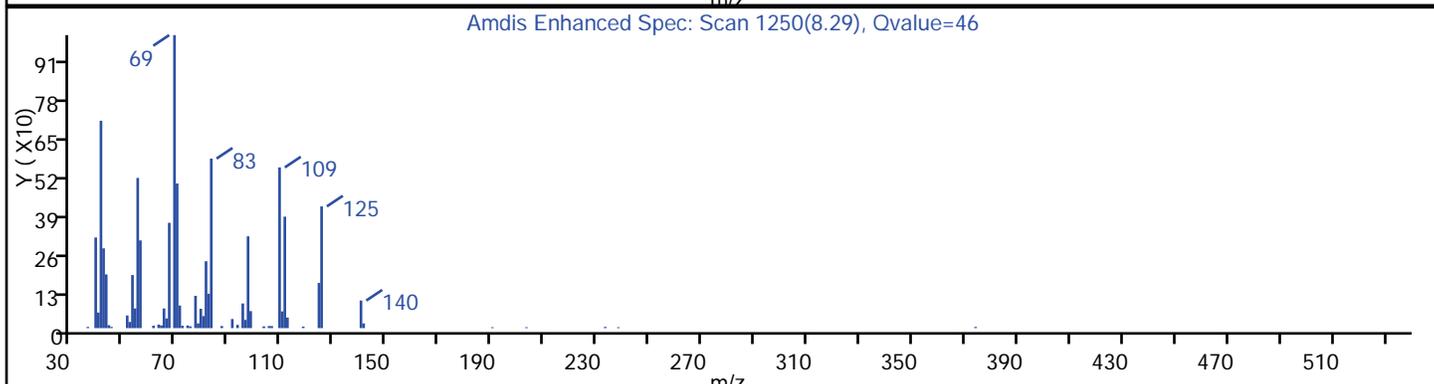
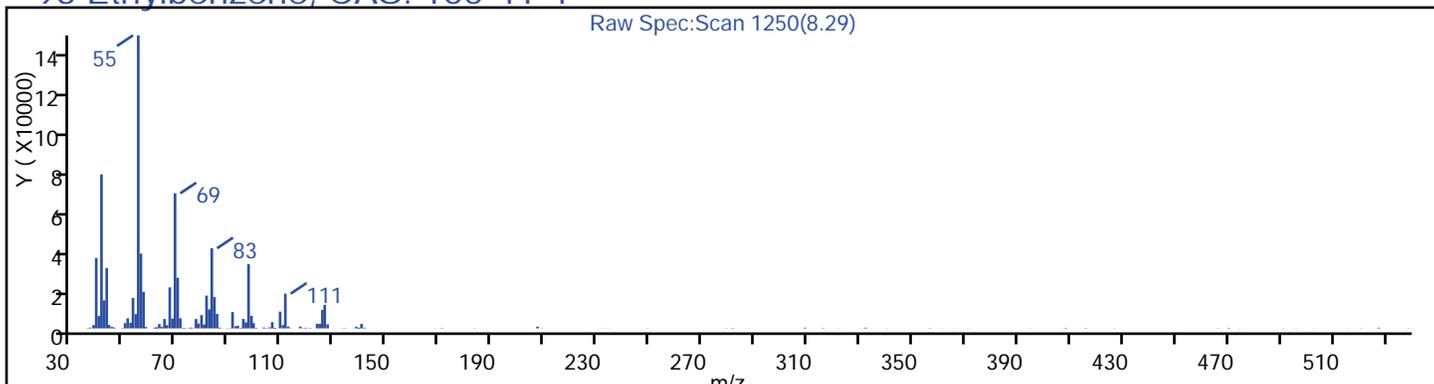
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

93 Ethylbenzene, CAS: 100-41-4



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

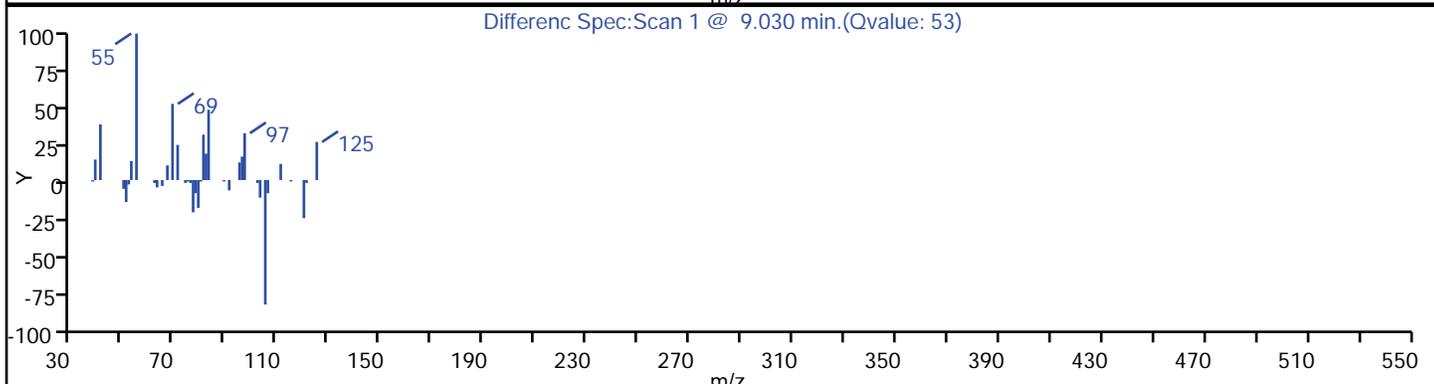
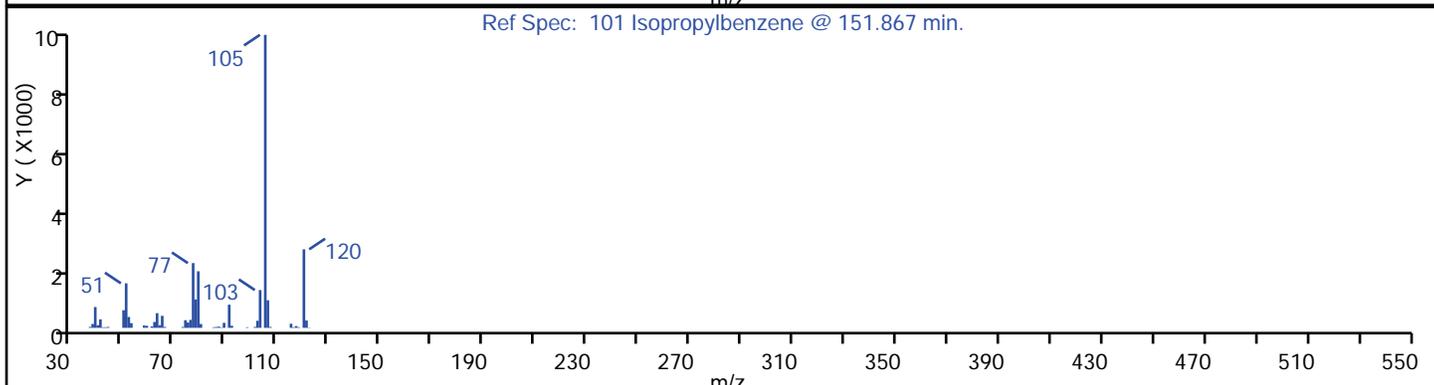
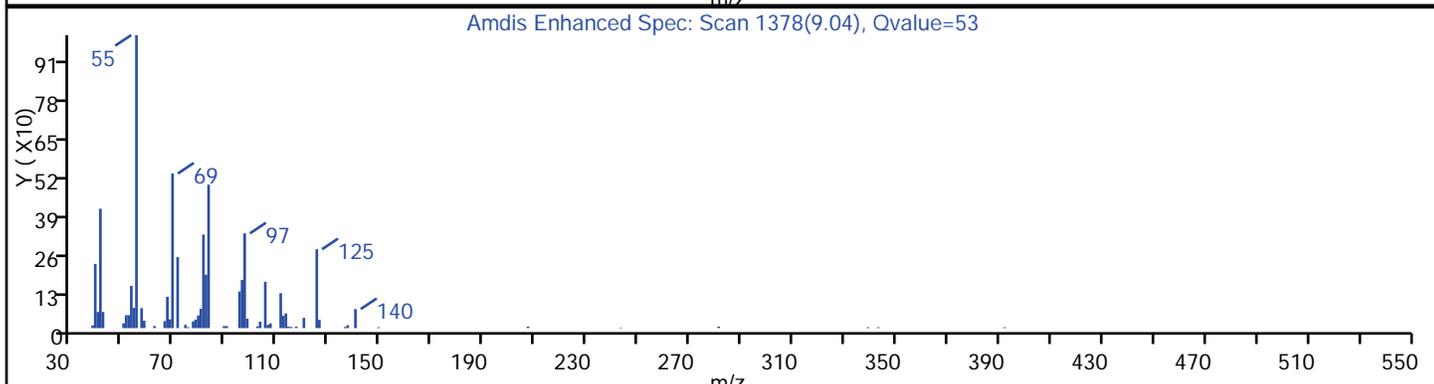
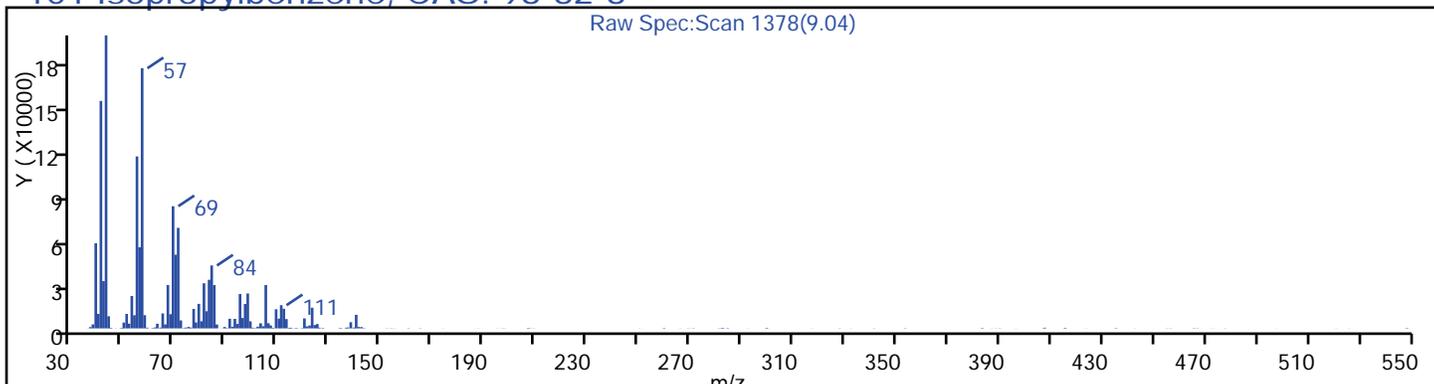
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

101 Isopropylbenzene, CAS: 98-82-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

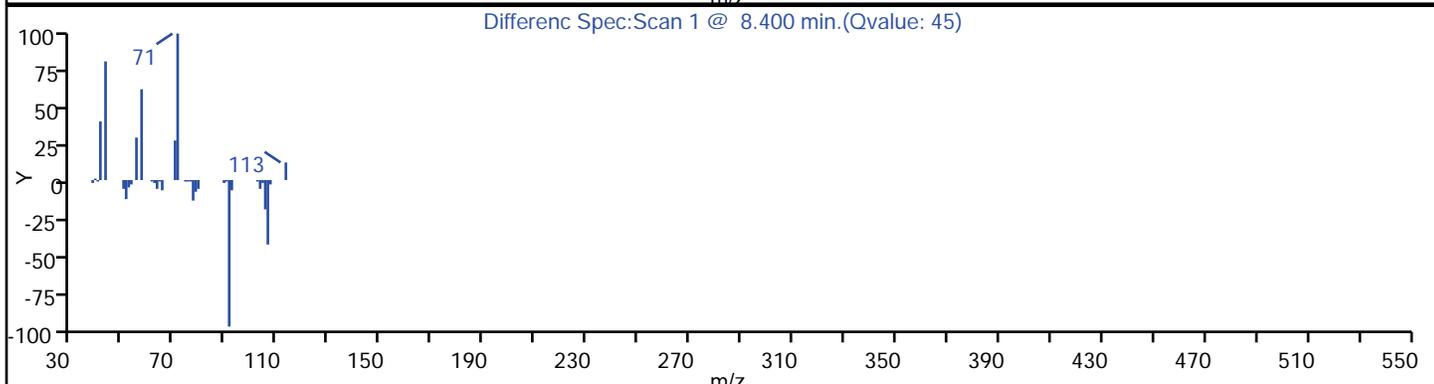
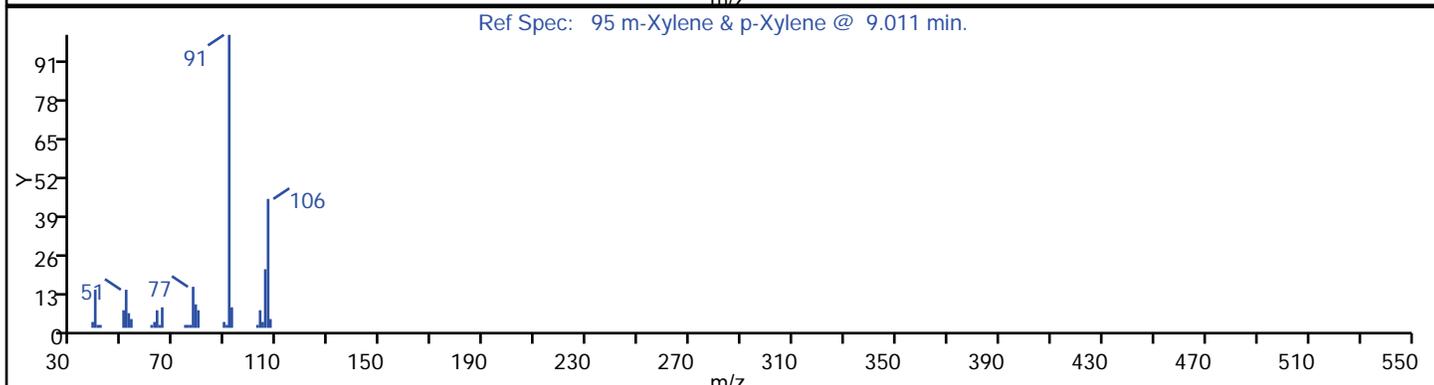
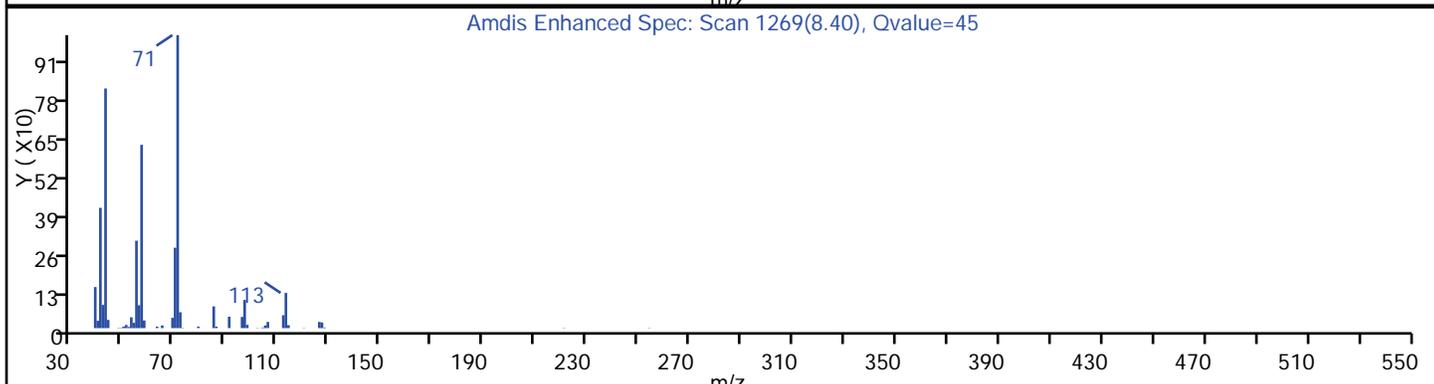
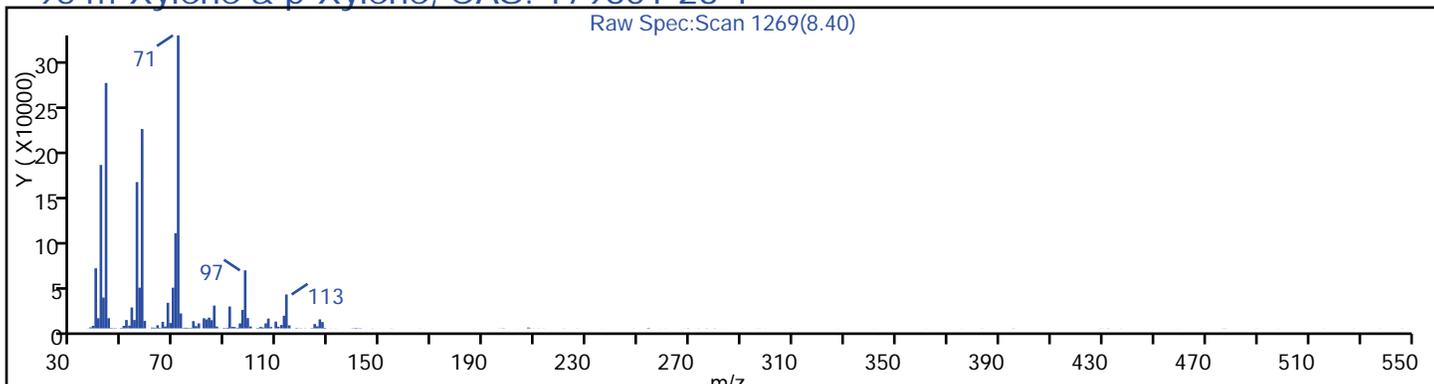
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

95 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

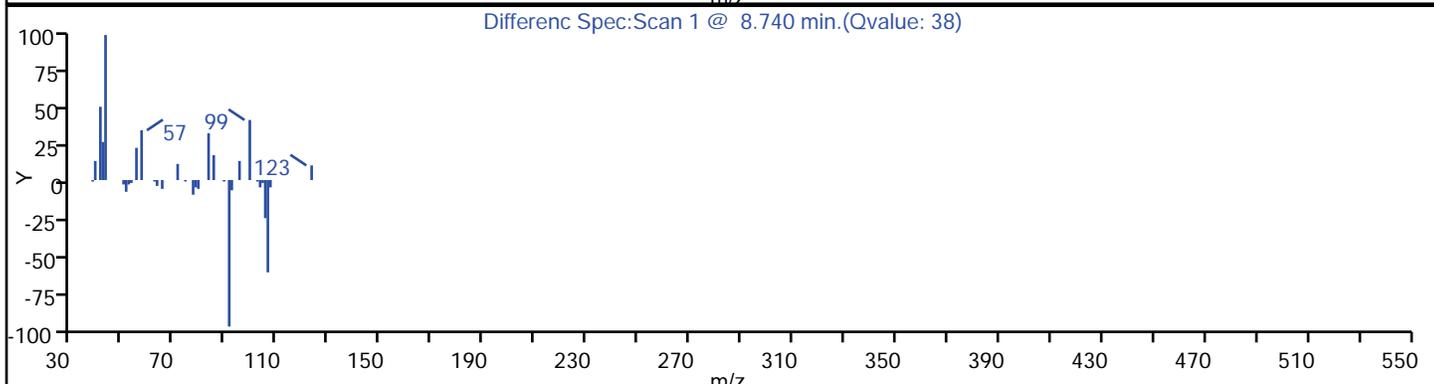
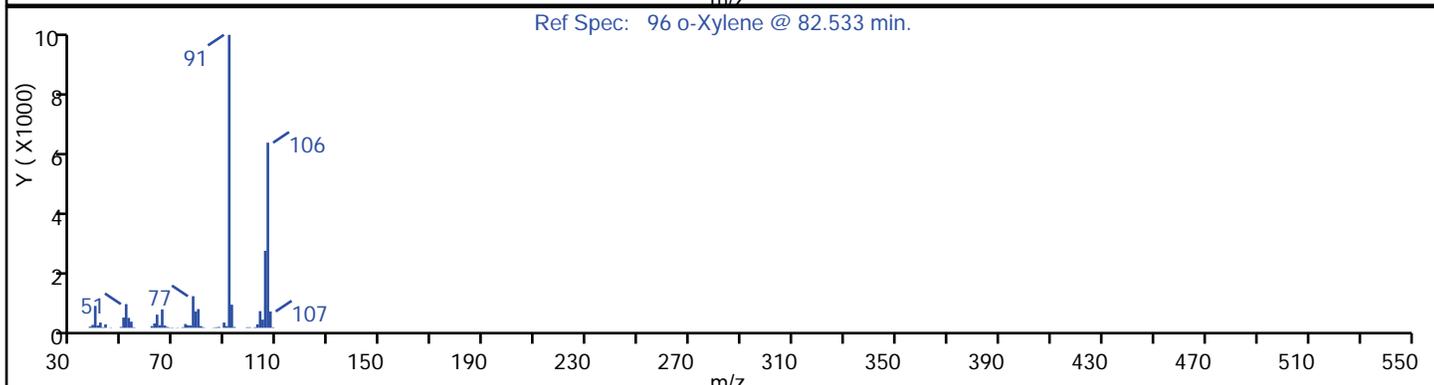
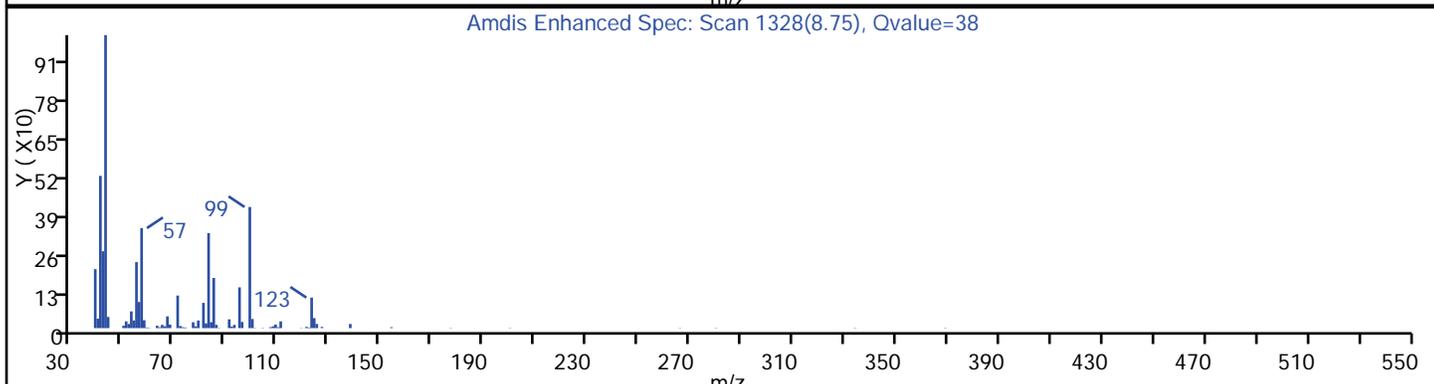
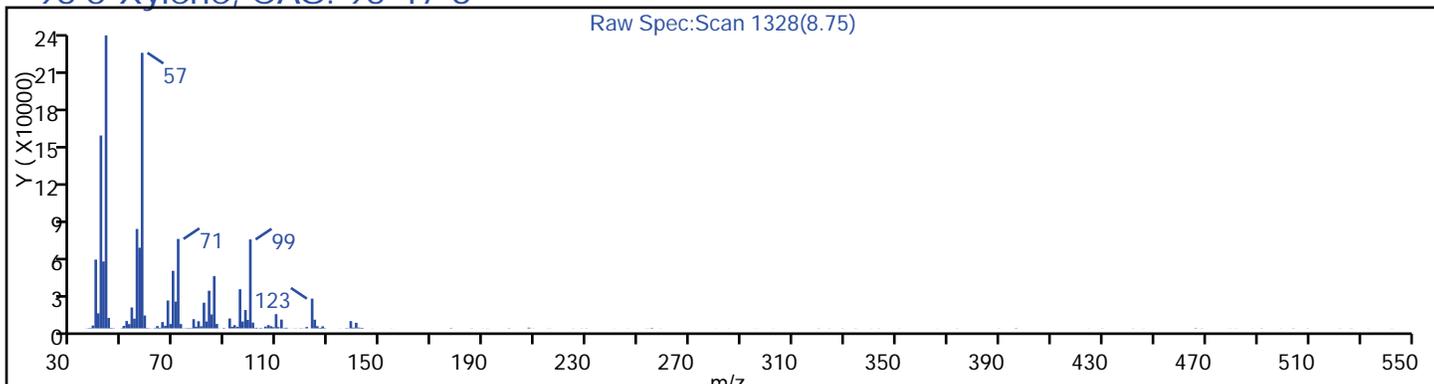
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

96 o-Xylene, CAS: 95-47-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS2\20160714-43310.b\B02837.D

Injection Date: 15-Jul-2016 04:59:30

Instrument ID: CVOAMS2

Lims ID: 460-116858-A-8-A

Lab Sample ID: 460-116858-8

Client ID: W108-SB-2(3-4)

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

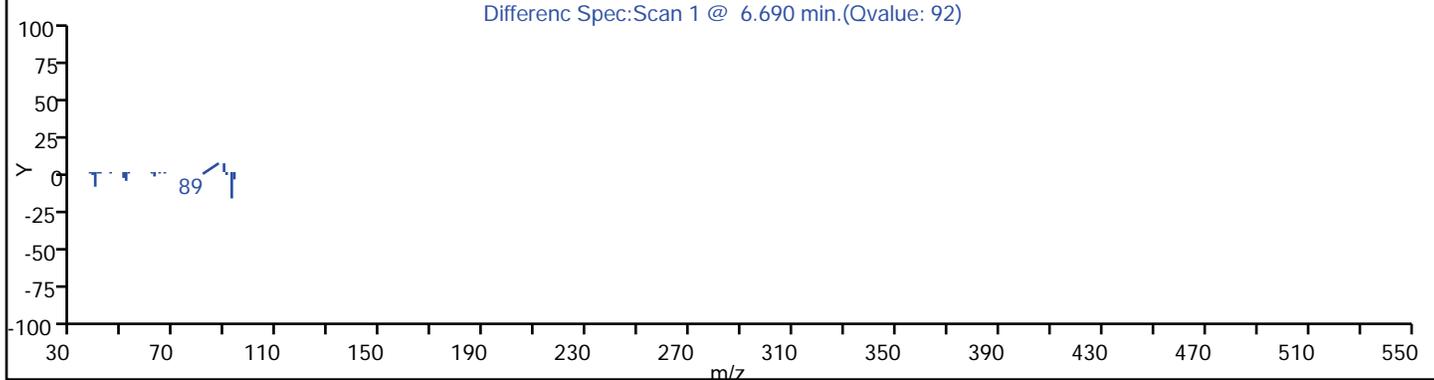
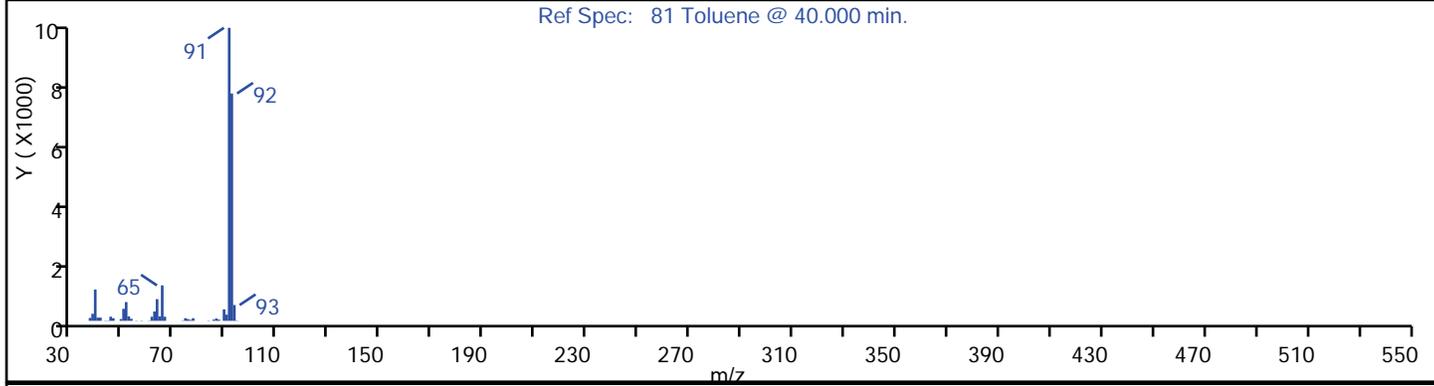
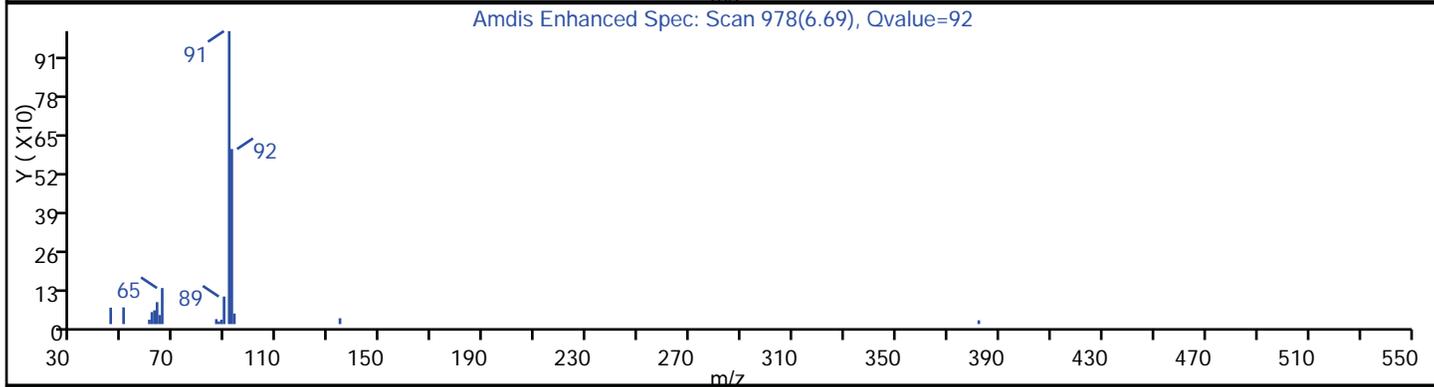
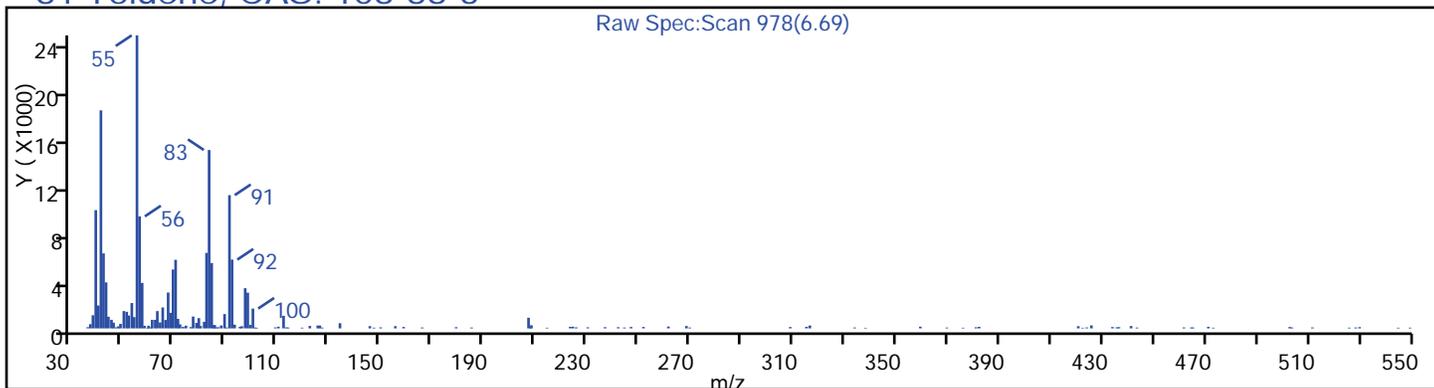
Method: 8260W\_2

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

81 Toluene, CAS: 108-88-3



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-3(0-2) Lab Sample ID: 460-116858-9  
 Matrix: Solid Lab File ID: D23818.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 14:26  
 Sample wt/vol: 2.84(g) Date Analyzed: 07/14/2016 11:42  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 16.9 Level: (low/med) Low  
 Analysis Batch No.: 378974 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.00080	U	0.0021	0.00080
79-34-5	1,1,2,2-Tetrachloroethane	0.00036	U F1	0.0021	0.00036
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U F1	0.0021	0.00093
79-00-5	1,1,2-Trichloroethane	0.00059	U F1	0.0021	0.00059
75-34-3	1,1-Dichloroethane	0.00072	U	0.0021	0.00072
75-35-4	1,1-Dichloroethene	0.00087	U F1	0.0021	0.00087
87-61-6	1,2,3-Trichlorobenzene	0.00023	U F1	0.0021	0.00023
120-82-1	1,2,4-Trichlorobenzene	0.00068	U F1 F2	0.0021	0.00068
96-12-8	1,2-Dibromo-3-Chloropropane	0.0010	U F1	0.0021	0.0010
95-50-1	1,2-Dichlorobenzene	0.00030	U F1	0.0021	0.00030
107-06-2	1,2-Dichloroethane	0.00023	U	0.0021	0.00023
78-87-5	1,2-Dichloropropane	0.00036	U	0.0021	0.00036
541-73-1	1,3-Dichlorobenzene	0.00025	U F1	0.0021	0.00025
106-46-7	1,4-Dichlorobenzene	0.00028	U F1	0.0021	0.00028
123-91-1	1,4-Dioxane	0.014	U	0.042	0.014
78-93-3	2-Butanone (MEK)	0.0016	U	0.011	0.0016
591-78-6	2-Hexanone	0.0020	U	0.011	0.0020
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0047	U	0.011	0.0047
67-64-1	Acetone	0.014	B	0.011	0.0022
71-43-2	Benzene	0.00042	U	0.0021	0.00042
75-27-4	Bromodichloromethane	0.00080	U F1	0.0021	0.00080
75-25-2	Bromoform	0.00028	U	0.0021	0.00028
74-83-9	Bromomethane	0.00068	U	0.0021	0.00068
75-15-0	Carbon disulfide	0.00091	U F1	0.0021	0.00091
56-23-5	Carbon tetrachloride	0.00091	U	0.0021	0.00091
108-90-7	Chlorobenzene	0.00030	U F1	0.0021	0.00030
74-97-5	Chlorobromomethane	0.00036	U F1	0.0021	0.00036
75-00-3	Chloroethane	0.00074	U *	0.0021	0.00074
67-66-3	Chloroform	0.00044	U	0.0021	0.00044
74-87-3	Chloromethane	0.00080	U F1	0.0021	0.00080
156-59-2	cis-1,2-Dichloroethene	0.00047	U F1	0.0021	0.00047
10061-01-5	cis-1,3-Dichloropropene	0.00032	U F1	0.0021	0.00032
110-82-7	Cyclohexane	0.00097	U	0.0021	0.00097
124-48-1	Dibromochloromethane	0.00032	U	0.0021	0.00032
75-71-8	Dichlorodifluoromethane	0.00068	U *	0.0021	0.00068

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-116807-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: W108-SB-3(0-2) Lab Sample ID: 460-116858-9  
 Matrix: Solid Lab File ID: D23818.D  
 Analysis Method: 8260C Date Collected: 07/12/2016 14:26  
 Sample wt/vol: 2.84(g) Date Analyzed: 07/14/2016 11:42  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: 16.9 Level: (low/med) Low  
 Analysis Batch No.: 378974 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.00038	U F1	0.0021	0.00038
106-93-4	Ethylene Dibromide	0.00025	U F1	0.0021	0.00025
98-82-8	Isopropylbenzene	0.00036	U F1	0.0021	0.00036
179601-23-1	m&p-Xylene	0.00023	U F1	0.0021	0.00023
79-20-9	Methyl acetate	0.0019	U F1	0.011	0.0019
1634-04-4	Methyl tert-butyl ether	0.00036	U	0.0021	0.00036
108-87-2	Methylcyclohexane	0.0011	U F1	0.0021	0.0011
75-09-2	Methylene Chloride	0.00068	U	0.0021	0.00068
95-47-6	o-Xylene	0.00034	U F1	0.0021	0.00034
100-42-5	Styrene	0.00032	U F1	0.0021	0.00032
127-18-4	Tetrachloroethene	0.00059	U	0.0021	0.00059
108-88-3	Toluene	0.0023	F1	0.0021	0.00040
156-60-5	trans-1,2-Dichloroethene	0.00083	U F1	0.0021	0.00083
10061-02-6	trans-1,3-Dichloropropene	0.00021	U F1	0.0021	0.00021
79-01-6	Trichloroethene	0.00055	U F1	0.0021	0.00055
75-69-4	Trichlorofluoromethane	0.00072	U *	0.0021	0.00072
75-01-4	Vinyl chloride	0.00083	U F1	0.0021	0.00083
1330-20-7	Xylenes, Total	0.00023	U F1	0.0042	0.00023

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		78-135
460-00-4	4-Bromofluorobenzene	101		67-126
1868-53-7	Dibromofluoromethane (Surr)	90		61-149
2037-26-5	Toluene-d8 (Surr)	103		73-121

TestAmerica Edison  
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43276.b\D23818.D  
 Lims ID: 460-116858-B-9-A  
 Client ID: W108-SB-3(0-2)  
 Sample Type: Client  
 Inject. Date: 14-Jul-2016 11:42:30 ALS Bottle#: 16 Worklist Smp#: 17  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 460-116858-B-9-A  
 Misc. Info.: 460-0043276-017  
 Operator ID: Instrument ID: CVOAMS4  
 Method: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43276.b\8260S\_4.m  
 Limit Group: VOA - 8260C Water and Solid  
 Last Update: 15-Jul-2016 11:11:25 Calib Date: 15-Jun-2016 19:04:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS4\20160615-42196.b\D22648.D  
 Column 1 : Rtx-624 ( 0.25 mm) Det: MS SCAN  
 Process Host: XAWRK022

First Level Reviewer: boykink Date: 14-Jul-2016 19:50:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
10 Pentane	72	2.571	2.571	0.000	97	2745	3.56	
18 Acetone	43	3.174	3.174	0.000	86	5972	6.53	
* 27 TBA-d9 (IS)	65	3.613	3.613	0.000	40	336222	1000.0	
32 Hexane	57	4.022	4.015	0.007	91	2433	0.4677	
* 38 2-Butanone-d5	46	4.906	4.905	0.001	0	258531	250.0	
\$ 51 Dibromofluoromethane (Surr	113	5.485	5.485	0.000	97	145166	45.0	
\$ 56 1,2-Dichloroethane-d4 (Sur	65	5.911	5.905	0.006	99	164565	50.7	
* 61 Fluorobenzene	96	6.241	6.241	0.000	98	574469	50.0	
* 67 1,4-Dioxane-d8	96	7.076	7.076	0.000	0	21215	1000.0	
\$ 78 Toluene-d8 (Surr)	98	7.990	7.990	0.000	99	540992	51.7	
79 Toluene	91	8.057	8.057	0.000	94	14927	1.08	
* 89 Chlorobenzene-d5	117	9.295	9.295	0.000	86	439493	50.0	
\$ 100 4-Bromofluorobenzene	174	10.228	10.221	0.007	96	195156	50.5	
* 116 1,4-Dichlorobenzene-d4	152	11.063	11.063	0.000	95	257580	50.0	
S 132 Total BTEX	1				0		1.08	

Reagents:

8260ISNEW\_00078 Amount Added: 1.00 Units: uL Run Reagent  
 8260SURR250\_00132 Amount Added: 1.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS4\20160714-43276.b\D23818.D

Injection Date: 14-Jul-2016 11:42:30

Instrument ID: CVOAMS4

Operator ID:

Lims ID: 460-116858-B-9-A

Lab Sample ID: 460-116858-9

Worklist Smp#: 17

Client ID: W108-SB-3(0-2)

Purge Vol: 5.000 mL

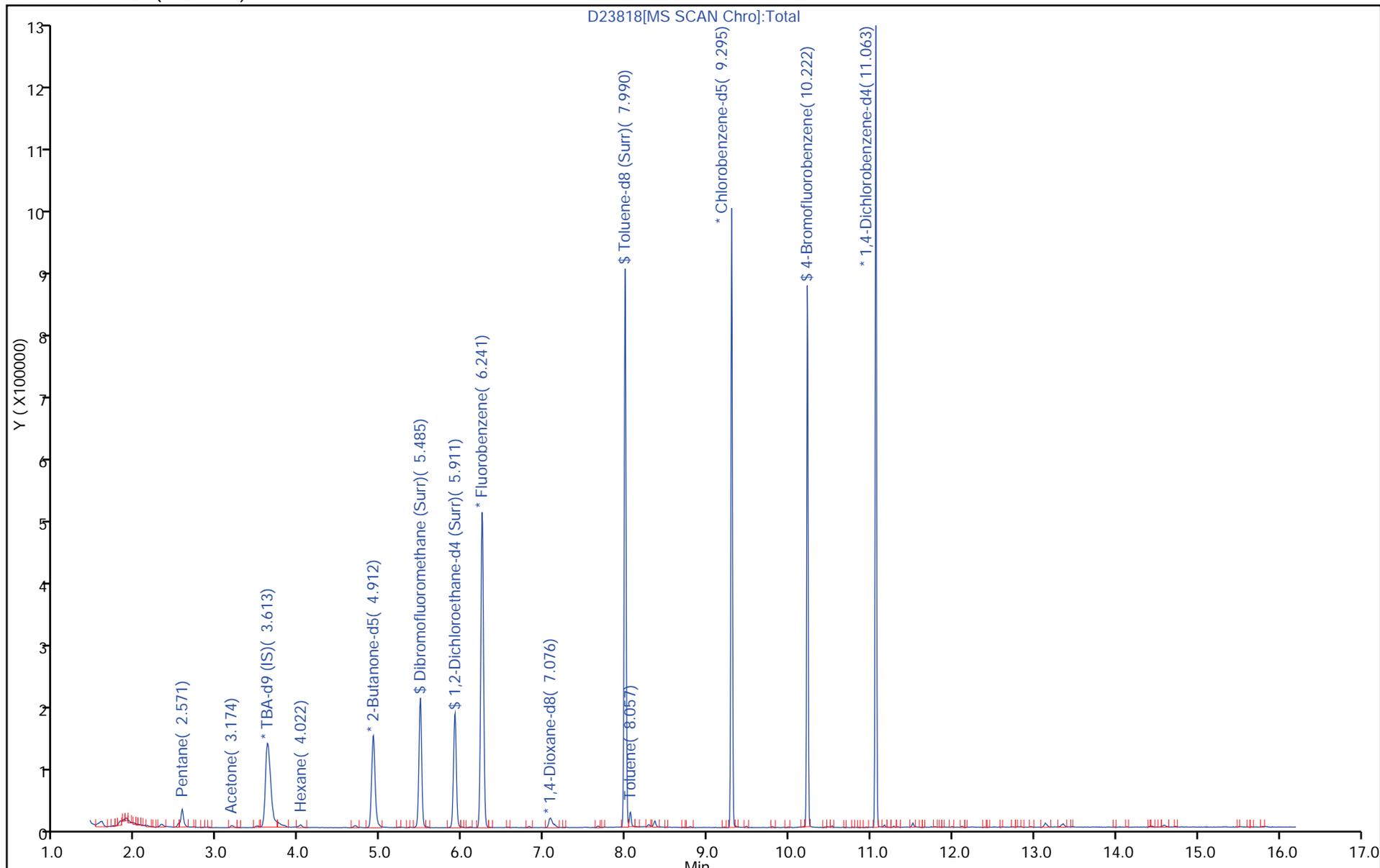
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8260S\_4

Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



# **103-107, 143, 145-149 and 151-159 West 108<sup>th</sup> Street**

**NEW YORK, NEW YORK**

**TAX BLOCK 1863, LOTS 5, 10, 13, AND 26**

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## **Limited Asbestos, Lead Paint, and PCB Caulk Survey Report**

**AKRF Project Number: 170060**

**Prepared for:**

**West Side Federation for Senior and Supportive Housing**

2345 Broadway  
New York, NY 10024

**Prepared by:**



**AKRF, Inc.**

440 Park Avenue South  
New York, NY 10016  
212-696-0670

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**MARCH 2017**

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## APPENDICES

- Appendix A - AKRF's Asbestos and Lead Handling Licenses and Worker Certifications
- Appendix B - Laboratory Certifications (ELAP)
- Appendix C - Asbestos, Lead, and PCB Laboratory Analyses and Chains of Custody
- Appendix D - Asbestos Sketches

## 1.0 INTRODUCTION

Preliminary limited asbestos-containing materials (ACM), lead-containing paint (LCP) and polychlorinated biphenyls (PCB) caulk surveys were performed on February 15, 16 and 23, 2017 at the four buildings located at 103-107, 143, 145-149, 151-159 West 108<sup>th</sup> Street in New York, New York (the “study area”). Gregory Baird, a New York City-certified Asbestos Investigator, and New York State-certified Lead Risk Assessor of AKRF, Inc. (AKRF), conducted the surveys. AKRF’s asbestos and lead license and worker certifications are included in Appendix A.

At the time of the site inspection, the four buildings were occupied. The scope of services included:

- Inspection of the study area to identify suspect ACM, LCP, and PCB caulk;
- Collection of limited representative samples of suspect ACM;
- Collection of limited representative samples of suspect LCP;
- Collection of limited representative samples of suspect PCB caulk;
- Documentation of sampling locations on a Chain-of-Custody form; and
- Analysis of samples at a New York State Department of Health-approved laboratory.

## 2.0 SURVEY AREA DISCUSSION

The buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street were utilized as parking garages and 145-149 West 108<sup>th</sup> Street was utilized as an emergency senior citizen shelter. 103-107 West 108<sup>th</sup> Street consisted of a three-floor parking garage with a partial cellar. 143 West 108<sup>th</sup> Street consisted of a five-floor parking garage with a cellar. 151-159 West 108<sup>th</sup> Street consisted of a four-floor parking garage with a cellar. The parking garages were constructed with concrete floor slabs and masonry foundations. Interior finish materials included drywall ceilings and walls, and vinyl and ceramic floor tiles. 145-149 West 108<sup>th</sup> Street consisted of a five-floor residential building with a cellar. The building was constructed with a concrete floor slab, wood decking and a masonry foundation. Interior finish materials included: drywall ceilings and walls; and vinyl and ceramic floor tiles, hard wood flooring and carpeting. The roofs (roofing materials) of the buildings were not included in this preliminary survey.

## 3.0 ASBESTOS SAMPLING AND ANALYTICAL METHODOLOGY

### 3.1 Sampling Rationale

Prior to demolition, building materials that could contain asbestos, referred to commonly as “suspect asbestos-containing materials,” were sampled in accordance with applicable protocols. Limited destructive sampling was performed using hand tools. Additional suspect materials may be present behind concrete blocks or walls or in other inaccessible areas.

### 3.2 Analytical Methodology

Samples were submitted to Alpha Labs, a New York State Department of Health Environmental Laboratory Approval Program (ELAP)-approved laboratory for analysis (ELAP #11833). Each sample was analyzed using Polarized Light Microscopy (PLM) methods. Materials that were found to contain greater than one percent (>1%) asbestos were identified as positive and classified as asbestos-containing. Other materials, in which either no asbestos was identified or trace amounts were detected (i.e., less than or equal to 1%), were classified as non-asbestos-containing. Samples were analyzed on a “positive-stop” basis, denoted as NA/PS on Table 1, i.e.,

once one sample of a material was determined to be ACM, other samples of the same material were not analyzed.

The PLM method has limitations when Non-Friable Organically Bound Materials (NOB) materials are analyzed. NOB materials that were found to be negative or trace asbestos by PLM methods were also analyzed by Transmission Electron Microscopy (TEM) methods, in accordance with ELAP requirements. Laboratory certifications are included in Appendix B.

## 4.0 ASBESTOS SUMMARY

### 4.1 Sampling Results

A summary of laboratory results of sampled suspect materials is included in Table 1. Analytical data sheets are included in Appendix C.

**Table 1**  
**Asbestos Sampling and Analysis Summary**  
**103-107, 143, 145-149 and 151-159 West 108<sup>th</sup> Street**  
**New York, NY**

Sample Number	Material	Location	Asbestos Percentage
<b>103-107 West 108<sup>th</sup> Street</b>			
1A	Brown Block Mortar	3 <sup>rd</sup> Floor - North Wall	NAD
1B	Brown Block Mortar	3 <sup>rd</sup> Floor - East Wall	NAD
1C	Brown Block Mortar	2 <sup>nd</sup> Floor - Stairwell	NAD
2A	Brick Mortar	3 <sup>rd</sup> Floor - South Wall	NAD
2B	Brick Mortar	3 <sup>rd</sup> Floor - Stairwell	NAD
2C	Brick Mortar	2 <sup>nd</sup> Floor - South Wall	NAD
3A	Block Mortar	3 <sup>rd</sup> Floor South - Blocked Over Windows	NAD
3B	Block Mortar	3 <sup>rd</sup> Floor South - Blocked Over Windows	NAD
3C	Block Mortar	2 <sup>nd</sup> Floor South - Blocked Over Windows	NAD
4A	Concrete Skim	3 <sup>rd</sup> Floor - Ceiling Beams	NAD
4B	Concrete Skim	3 <sup>rd</sup> Floor - Ceiling Beams	NAD
4C	Concrete Skim	3 <sup>rd</sup> Floor - Ceiling Beams	NAD
4D	Concrete Skim	3 <sup>rd</sup> Floor - Ceiling Beams	NAD
4E	Concrete Skim	3 <sup>rd</sup> Floor - Ceiling Beams	NAD
5A	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - Near Drywall	NAD
5B	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - Near Drywall	NAD
5C	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - Near Drywall	NAD
6A	Drywall	2 <sup>nd</sup> Floor - Rear Wall	NAD
6B	Drywall	2 <sup>nd</sup> Floor - Rear Wall	NAD
6C	Drywall	2 <sup>nd</sup> Floor - Rear Wall	NAD
7A	Joint Compound	2 <sup>nd</sup> Floor - Rear Wall	NAD
7B	Joint Compound	2 <sup>nd</sup> Floor - Rear Wall	NAD
7C	Joint Compound	2 <sup>nd</sup> Floor - Rear Wall	NAD
8A	Pipe Insulation (With Inseparable Mastic)	1 <sup>st</sup> Floor Ceiling - East	NAD
8B	Pipe Insulation (With Inseparable Mastic)	1 <sup>st</sup> Floor Ceiling - East	NAD

Sample Number	Material	Location	Asbestos Percentage
8C	Pipe Insulation (With Inseparable Mastic)	1 <sup>st</sup> Floor Ceiling – East	NAD
9A	Yellow Tile Thin Set	1 <sup>st</sup> Floor - Bathroom	NAD
9B	Yellow Tile Thin Set	1 <sup>st</sup> Floor - Bathroom	NAD
<b>10A</b>	<b>Yellow Tile Grout</b>	<b>1<sup>st</sup> Floor - Bathroom</b>	<b>2.5% Chrysotile</b>
<b>10B</b>	<b>Yellow Tile Grout</b>	<b>1<sup>st</sup> Floor - Bathroom</b>	<b>NA/PS</b>
<b>143 West 108<sup>th</sup> Street</b>			
1A	Brown Block Mortar	5 <sup>th</sup> Floor - Elevator Wall	NAD
1B	Brown Block Mortar	4 <sup>th</sup> Floor - Elevator Wall	NAD
1C	Brown Block Mortar	3 <sup>rd</sup> Floor - Elevator Wall	NAD
2A	Brick Mortar	5 <sup>th</sup> Floor Stairwell – West	NAD
2B	Brick Mortar	4 <sup>th</sup> Floor Stairwell – West	NAD
2C	Brick Mortar	2 <sup>nd</sup> Floor Stairwell – West	NAD
<b>3A</b>	<b>Exterior Window Caulk</b>	<b>5<sup>th</sup> Floor Large Windows - South</b>	<b>9.0% Chrysotile</b>
<b>3B</b>	<b>Exterior Window Caulk</b>	<b>4<sup>th</sup> Floor Large Windows – South</b>	<b>NA/PS</b>
<b>3C</b>	<b>Exterior Window Caulk</b>	<b>2<sup>nd</sup> Floor Large Windows – North</b>	<b>NA/PS</b>
4A	Interior Window Glaze	5 <sup>th</sup> Floor Large Windows – South	NAD
4B	Interior Window Glaze	4 <sup>th</sup> Floor Large Windows – South	NAD
4C	Interior Window Glaze	2 <sup>nd</sup> Floor Large Windows – North	NAD
5A	Concrete Skim	4 <sup>th</sup> Floor Window Sill – Skim	NAD
5B	Concrete Skim	3 <sup>rd</sup> Floor Window Sill – Interior	NAD
5C	Concrete Skim	3 <sup>rd</sup> Floor Window Sill – Interior	NAD
6A	Drywall	2 <sup>nd</sup> Floor - Office Wall	NAD
6B	Drywall	2 <sup>nd</sup> Floor - Office Wall	NAD
6C	Drywall	2 <sup>nd</sup> Floor - Office Wall	NAD
7A	Joint Compound	2 <sup>nd</sup> Floor - Office Wall	NAD
7B	Joint Compound	2 <sup>nd</sup> Floor - Office Wall	NAD
7C	Joint Compound	2 <sup>nd</sup> Floor - Office Wall	NAD
8A	Block Mortar	2 <sup>nd</sup> Floor - Interior Wall	NAD
8B	Block Mortar	2 <sup>nd</sup> Floor - Interior Wall	NAD
8C	Block Mortar	2 <sup>nd</sup> Floor - Interior Wall	NAD
<b>9A</b>	<b>Red 9” x 9” Floor Tile</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>11.6% Chrysotile</b>
<b>9B</b>	<b>Red 9” x 9” Floor Tile</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>NA/PS</b>
<b>10A</b>	<b>Green 9” x 9” Floor Tile</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>9.7% Chrysotile</b>
<b>10B</b>	<b>Green 9” x 9” Floor Tile</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>NA/PS</b>
<b>11A</b>	<b>Black Mastic</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>5.0% Chrysotile</b>
<b>11B</b>	<b>Black Mastic</b>	<b>1<sup>st</sup> Floor - Office</b>	<b>NA/PS</b>
12A	2’ x 2’ Ceiling Tile	1 <sup>st</sup> Floor - Office Ceiling	NAD
12B	2’ x 2’ Ceiling Tile	1 <sup>st</sup> Floor - Office Ceiling	NAD
<b>145-149 West 108<sup>th</sup> Street</b>			
1A	Store Mortar	Cellar - Exterior Wall	NAD
1B	Store Mortar	Cellar - Exterior Wall	NAD
1C	Store Mortar	Cellar - Exterior Wall	NAD
2A	Drywall	Cellar - Elevator Machine Room	NAD
2B	Drywall	Cellar - Center Hall Ceiling	NAD
2C	Drywall	Cellar - Supply Room	NAD
3A	Joint Compound	Cellar - Elevator Machine Room	NAD

Sample Number	Material	Location	Asbestos Percentage
3B	Joint Compound	Cellar - Center Hall Ceiling	NAD
3C	Joint Compound	Cellar - Supply Room	NAD
3D	Joint Compound	5 <sup>th</sup> Floor Hall – West	NAD
3E	Joint Compound	5 <sup>th</sup> Floor Hall – East	NAD
3F	Joint Compound	4 <sup>th</sup> Floor hall – West	NAD
3G	Joint Compound	4 <sup>th</sup> Floor Hall – East	NAD
4A	Pipe Insulation Sleeve	Cellar - Throughout	NAD
4B	Pipe Insulation Sleeve	Cellar - Throughout	NAD
4C	Pipe Insulation Sleeve	Cellar - Throughout	NAD
5A	Block Mortar	Cellar - Throughout	NAD
5B	Block Mortar	Cellar - Throughout	NAD
5C	Block Mortar	Cellar - Throughout	NAD
6A	Concrete Skim	Cellar - Interior Walls	NAD
6B	Concrete Skim	Cellar - Interior Walls	NAD
6C	Concrete Skim	Cellar - Interior Walls	NAD
7A	12” x 12” Gray Floor Tile	Cellar - Super Office	NAD
7B	12” x 12” Gray Floor Tile	Cellar - Super Office	NAD
8A	Yellow Mastic	Cellar - Super Office	NAD
8B	Yellow Mastic	Cellar - Super Office	NAD
9A	Gray Cove Base	Cellar - Hallway	NAD
9B	Gray Cove Base	Cellar - Hallway	NAD
10A	Pipe Insulation Hard Pack	Cellar - Boiler Room	NAD
10B	Pipe Insulation Hard Pack	Cellar - Boiler Room	NAD
10C	Pipe Insulation Hard Pack	Cellar - Boiler Room	NAD
11A	Black Cove Base	Cellar - Activity Room	NAD
11B	Black Cove Base	Cellar - Activity Room	NAD
12A	12” x 12” White with Blue Floor Tile	Cellar - Activity Room	NAD
12B	12” x 12” White with Blue Floor Tile	Cellar - Activity Room	NAD
13A.1	Concrete Skim (Top Layer)	Cellar - Rear Exterior	NAD
13A.2	Concrete Skim (Bottom Layer)	Cellar - Rear Exterior	NAD
13B.1	Concrete Skim (Top Layer)	Cellar - Rear Exterior	NAD
13B.2	Concrete Skim (Bottom Layer)	Cellar - Rear Exterior	NAD
13C	Concrete Skim	Cellar - Rear Exterior	NAD
13D	Concrete Skim	1 <sup>st</sup> Floor - Rear Exterior	NAD
13E.1	Concrete Skim (Top Layer)	1 <sup>st</sup> Floor - Rear Exterior	NAD
13E.2	Concrete Skim (Bottom Layer)	1 <sup>st</sup> Floor - Rear Exterior	NAD
14A	Window Caulk	Cellar - Rear Exterior	NAD
14B	Window Caulk	1 <sup>st</sup> Floor - Rear Exterior	NAD
15A	Window Caulk	5 <sup>th</sup> Floor - Front Exterior	NAD
15B	Window Caulk	5 <sup>th</sup> Floor - Front Exterior	NAD
16A	12” x 12” White With Blue Floor Tile	5 <sup>th</sup> Floor - Hall	NAD
16B	12” x 12” White With Blue Floor Tile	4 <sup>th</sup> Floor - Hall	NAD
17A	Yellow Mastic	5 <sup>th</sup> Floor - Hall	NAD
17B	Yellow Mastic	4 <sup>th</sup> Floor - Hall	NAD
<b>151-159 West 108<sup>th</sup> Street</b>			
1A	Interior Window Glaze	3 <sup>rd</sup> Floor - North Window	NAD
1B	Interior Window Glaze	4 <sup>th</sup> Floor - South Window	NAD

Sample Number	Material	Location	Asbestos Percentage
1C	Interior Window Glaze	4 <sup>th</sup> Floor - South Window	NAD
<b>2A.1</b>	<b>6" Pipe Insulation (1<sup>st</sup> Layer)</b>	<b>4<sup>th</sup> Floor - North Ceiling</b>	<b>25% Chrysotile</b>
<b>2A.2</b>	<b>6" Pipe Insulation (2<sup>nd</sup> Layer)</b>	<b>4<sup>th</sup> Floor - North Ceiling</b>	<b>NAD</b>
<b>2B.1</b>	<b>6" Pipe Insulation (1<sup>st</sup> Layer)</b>	<b>4<sup>th</sup> Floor - South Riser</b>	<b>NA/PS</b>
<b>2B.2</b>	<b>6" Pipe Insulation (2<sup>nd</sup> Layer)</b>	<b>4<sup>th</sup> Floor - South Riser</b>	<b>NAD</b>
<b>2C.1</b>	<b>6" Pipe Insulation (1<sup>st</sup> Layer)</b>	<b>3<sup>rd</sup> Floor - South Riser</b>	<b>NA/PS</b>
<b>2C.2</b>	<b>6" Pipe Insulation (2<sup>nd</sup> Layer)</b>	<b>3<sup>rd</sup> Floor - South Riser</b>	<b>NAD</b>
<b>3A</b>	<b>6" Pipe Elbow</b>	<b>4<sup>th</sup> Floor - North Ceiling</b>	<b>25% Chrysotile</b>
<b>3B</b>	<b>6" Pipe Elbow</b>	<b>4<sup>th</sup> Floor - South Riser</b>	<b>NA/PS</b>
<b>3C</b>	<b>6" Pipe Elbow</b>	<b>3<sup>rd</sup> Floor - South Riser</b>	<b>NA/PS</b>
4A	Brown Block Mortar	4 <sup>th</sup> Floor - Interior Walls	NAD
4B	Brown Block Mortar	3 <sup>rd</sup> Floor - Interior Walls	NAD
4C	Brown Block Mortar	2 <sup>nd</sup> Floor - Interior Walls	NAD
5A	Brick Mortar	4 <sup>th</sup> Floor - Interior Walls	NAD
5B	Brick Mortar	3 <sup>rd</sup> Floor - Interior Walls	NAD
5C	Brick Mortar	2 <sup>nd</sup> Floor - Interior Walls	NAD
6A	Stairwell - Skim	3 <sup>rd</sup> Floor - Interior Skim Coat	NAD
6B	Stairwell - Skim	3 <sup>rd</sup> Floor - Interior Skim Coat	NAD
6C	Stairwell - Skim	2 <sup>nd</sup> Floor - Interior Skim Coat	NAD
7A	Concrete - Skim	3 <sup>rd</sup> Floor - Window Sill	NAD
7B	Concrete - Skim	2 <sup>nd</sup> Floor - Window Sill	NAD
7C	Concrete - Skim	2 <sup>nd</sup> Floor - Window Sill	NAD
8A	Miscellaneous Black Coating	2 <sup>nd</sup> Floor - North Wall	NAD
8B	Miscellaneous Black Coating	2 <sup>nd</sup> Floor - North Wall	NAD
8C	Miscellaneous Black Coating	2 <sup>nd</sup> Floor - North Wall	NAD
9A	Drywall	1 <sup>st</sup> Floor - East Offices	NAD
9B	Drywall	1 <sup>st</sup> Floor - East Offices	NAD
9C	Drywall	1 <sup>st</sup> Floor - East Offices	NAD
10A	Joint Compound	1 <sup>st</sup> Floor - East Offices	NAD
10B	Joint Compound	1 <sup>st</sup> Floor - East Offices	NAD
10C	Joint Compound	1 <sup>st</sup> Floor - East Offices	NAD
11A	White 12" x 12" Floor Tile	1 <sup>st</sup> Floor - Office	NAD
11B	White 12" x 12" Floor Tile	1 <sup>st</sup> Floor - Office	NAD
12A	Black Underlayment	1 <sup>st</sup> Floor - Office	NAD
12B	Black Underlayment	1 <sup>st</sup> Floor - Office	NAD

Notes: NAD=No Asbestos Detected  
NA/PS=Not Analyzed/Positive Stop  
Chrysotile is a type of asbestos fiber  
ACM samples are in bold

#### 4.2 Approximate Totals by Type of ACM

As indicated by the analytical results, floor tiles and associated mastics, window caulk, ceramic tile grout and pipe and pipe elbow insulation were determined to be ACM. Operational transite electrical panels and elevator brake pads could not be sampled and were determined to be Presumed ACM (PACM). The type and estimated quantities of asbestos-containing materials are included in Table 2.

**Table 2**  
**Asbestos Containing Material by Type and Location**  
**103-107, 143, 145-149 and 151-159 West 108<sup>th</sup> Street**  
**New York, NY**

Material	Location	Estimated Quantity
<b>103-107 West 108<sup>th</sup> Street</b>		
Yellow Tile Grout	1 <sup>st</sup> Floor - Bathroom	190 SF
PACM - Transite Electrical Panel	Roof – Mechanical Room	8 SF
PACM - Elevator Brake Pads	Roof – Mechanical Room	2 SF
<b>143 West 108<sup>th</sup> Street</b>		
1" Exterior Window Caulk	All Windows – Floors 2 thru 5	110 SF
Red and Green 9" x 9" Floor Tile and Associated Mastic	1 <sup>st</sup> Floor - Office	200 SF
PACM - Transite Electrical Panel	Cellar	15 SF
<b>151-159 West 108<sup>th</sup> Street</b>		
6" Pipe and Pipe Elbow Insulation	Cellar	160 LF
	1 <sup>st</sup> Floor	10 LF
	2 <sup>nd</sup> Floor	10 LF
	3 <sup>rd</sup> Floor	12 LF
	4 <sup>th</sup> Floor	35 LF

Notes: SF = Square Feet  
LF = Linear Feet

## 5.0 LEAD PAINT

### 5.1 Sampling Methodology

Sample collection was performed to identify Lead-Containing Paint (LCP) prior to demolition. Limited representative samples (paint chips) were collected throughout the study area

### 5.2 Analytical Methodology

Samples were submitted to Alpha Labs. Samples were prepared and analyzed by Atomic Absorption Spectrometry (AAS) in accordance with ASTM Method D3335-85A. A summary of the lead testing is included in Table 3. Analytical data sheets are included in Appendix C.

**Table 3**  
**Paint Sampling and Analysis Summary**  
**103-107, 143, 145-149 and 151-159 West 108<sup>th</sup> Street**  
**New York, NY**

Sample Number	Paint Color	Substrate	Location	Lead Concentration (% by weight)
<b>103 West 108<sup>th</sup> Street</b>				
103-1L	Black	Steel	Stairwell – handrail	4.81
103-2L	Red	Steel	3 <sup>rd</sup> floor – elevator – gate	7.08
103-3L	Black	Brick	3 <sup>rd</sup> floor – north wall	0.66
103-4L	Red	Brick	3 <sup>rd</sup> floor – east wall	0.21
103-5L	Gray	Concrete	3 <sup>rd</sup> floor – column	0.51
103-6L	Black/white	Brick	2 <sup>nd</sup> floor – west wall	0.08
103-7L	Yellow	Concrete	2 <sup>nd</sup> floor – storage room	0.07
103-8L	Blue	Concrete	2 <sup>nd</sup> floor – storage room	0.04
103-9L	Yellow	Brick	1 <sup>st</sup> floor – exterior – front	3.11
103-10L	Red	Brick	1 <sup>st</sup> floor – exterior – front	6.82
103-11L	White	Concrete	1 <sup>st</sup> floor – interior – south wall	0.20
103-12L	Blue/gray	Concrete	1 <sup>st</sup> floor – bathroom	0.53
<b>143 West 108<sup>th</sup> Street</b>				
143-1L	Silver	Concrete	5 <sup>th</sup> floor – column – south	0.11
143-2L	Green	Steel	5 <sup>th</sup> floor – column – center	0.41
143-3L	Green/white	Brick	5 <sup>th</sup> floor – brick wall – west	0.11
143-4L	Black	Steel	5 <sup>th</sup> floor – piping – center	<0.02
143-5L	Black	Block	5 <sup>th</sup> floor – elevator – wall	0.32
143-6L	Black	Steel	3 <sup>rd</sup> floor – stairwell – handrail	1.30
143-7L	White	Block	4 <sup>th</sup> floor – bathroom wall	0.09
143-8L	White/green	Steel	3 <sup>rd</sup> floor – stairwell – door frame	1.27
143-9L	White	Concrete	1 <sup>st</sup> floor – column	0.73
143-10L	Black	Steel	Exterior – main gate/door	0.26

Sample Number	Paint Color	Substrate	Location	Lead Concentration (% by weight)
143-11L	Yellow	Steel	Exterior – guard	4.03
143-12L	Black	Steel	Exterior – stairwell – rear	2.49
<b>145-149 West 108<sup>th</sup> Street</b>				
VL-1L	White	Drywall	Supply Room – ceiling – cellar	<0.02
VL-2L	White	Block	Hallway walls – cellar	<0.02
VL-3L	Gray	Steel	Electrical room door	<0.03
VL-4L	Black	Steel	Rear – fire escape	<0.02
VL-5L	Black	Steel	Rear – window bars	0.03
VL-6L	Gray	Concrete	Exterior – rear skim	<0.02
VL-7L	Green	Concrete	Exterior – rear courtyard	0.05
VL-8L	Gray	Concrete	Exterior – rear storage wall	<0.02
VL-9L	Gray	Concrete	Exterior – front – window casing	0.05
<b>151-159 West 108th Street</b>				
159-1L	Black	Block	Interior walls	0.04
159-2L	Black	Concrete	3 <sup>rd</sup> floor – column	0.03
159-3L	Black	Steel	3 <sup>rd</sup> floor – pipe	1.05
159-4L	Red	Steel	3 <sup>rd</sup> floor – stairwell	36.95
159-5L	Black	Steel	Exterior – rear stairwell	28.84
159-6L	Silver	Steel	2 <sup>nd</sup> floor elevator door	1.30
159-7L	Silver	Concrete	3 <sup>rd</sup> floor – walls – interior	0.04
159-8L	Orange	Steel	2 <sup>nd</sup> floor – storage door	13.24
159-9L	Black/silver	Concrete	Cellar – foundation wall	0.23
159-10L	White	Concrete/brick	1 <sup>st</sup> floor – walls	0.04
159-11L	Black	Brick	Exterior – front	0.07
159-12L	White	Brick	Exterior – front	0.03

Note that lead-based paint or LBP (as distinct from LCP) is defined by the U.S. Environmental Protection Agency (USEPA) as paint that contains greater than or equal to 0.5% [5,000 parts per million (ppm)] lead by dry weight. However, the U.S. Occupational Safety and Health Administration (OSHA) does not define a threshold level of lead in paint that may cause lead exposure above the action level. LCP is thus,

paint that contains any detectable level of lead. All paint throughout the project site buildings shall be considered LCP.

## 6.0 PCB CAULK

### 6.1 Sampling Rationale

Window caulk sampling was performed with the intent to identify polychlorinated biphenyl (PCB)-containing window caulk prior to demolition of the buildings.

### 6.2 Analytical Methodology

Samples were submitted to Test America Laboratories, Inc. Samples were prepared and analyzed by Gas Chromatography in accordance with SW846 Method 8082 and Method 3540C – “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods”. A summary of the PCB testing is included in Table 4. Analytical data sheets are included in Appendix C.

**Table 4**  
**PCB Sampling and Analysis Summary**  
**103-107, 143, 145-149 and 151-159 West 108<sup>th</sup> Street**  
**New York, NY**

Sample Number	Material	Building	Location	PCB Concentration (parts per million)
<b>143 West 108<sup>th</sup> Street</b>				
143-1	Exterior Window Caulk	143	5 <sup>th</sup> Floor - South	ND
143-2	Interior Window Glaze	143	5 <sup>th</sup> Floor - South	ND
143-3	Exterior Window Caulk	143	3 <sup>rd</sup> Floor - North	ND
143-4	Exterior Window Caulk	143	1 <sup>st</sup> Floor Office Window	ND
<b>145-149 West 108<sup>th</sup> Street</b>				
VL-1	Exterior Window Caulk	145-149	1 <sup>st</sup> Floor – Rear	ND
VL-2	Exterior Window Caulk	145-149	5 <sup>th</sup> Floor - Front	ND
<b>151-159 West 108<sup>th</sup> Street</b>				
159-1	Exterior Window Caulk	159	3 <sup>rd</sup> Floor - North	ND
159-2	Exterior Window Caulk	159	4 <sup>th</sup> Floor - South	ND

Note: ND=Analyzed for but not detected

Note that the USEPA defines "PCB Caulk" as caulk that contains PCBs at concentrations of 50 parts per million (ppm) or greater. All caulk samples were non-detect for PCBs.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon laboratory analysis of suspect ACMs, floor tiles and associated mastics, ceramic tile grout, window caulk, and pipe and pipe elbow insulation were determined to be ACM. Transite electrical panels and elevator brake pads were not tested but were determined to be PACM. These materials must be removed by a licensed asbestos abatement contractor prior to any disturbance, unless tested and found to be non-ACM. Additional destructive testing must be completed prior to renovation or demolition.

Lead was detected in 38 of 45 paint chip samples. Renovation and demolition activities with the potential to disturb lead-based paint and lead-containing paint must be performed in accordance with the applicable OSHA regulation (OSHA 29 CFR 1926.62-Lead Exposure in Construction). All paint throughout the project site buildings shall be considered LCP.

PCB caulk samples were all non-detect for total PCBs.

## 8.0 LIMITATIONS

Results of this limited investigation are valid as of the dates on which the investigation was performed. The roofs (roofing materials) of all the buildings and roof top mechanical spaces of 143 and 151-159 West 108<sup>th</sup> Street were not included in this survey. The 145-149 emergency senior citizen shelter building was completely occupied at the time of the inspection, therefore, only limited destructive sampling was performed in this building. All roofs, inaccessible, and occupied areas must be surveyed prior to any disturbance or demolition activities.

Additional suspect materials may be present behind walls, below grade, or in other inaccessible areas. This survey report is not an abatement specification and should not be used for specifying removal quantities, methods or techniques.

The findings set forth in this report are strictly limited in scope of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report. This report may be based solely or partially on data collected, conducted, and provided by AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. This report is intended for the use solely for West Side Federation of Senior and Supportive Housing. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

**APPENDIX A**  
**ARKF'S ASBESTOS AND LEAD HANDLING LICENSE AND WORKER**  
**CERTIFICATION**

**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

AKRF, Inc.  
7th Floor  
440 Park Avenue South  
  
New York, NY 10016

FILE NUMBER: 03-0729  
LICENSE NUMBER: 28893  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 08/29/2016  
EXPIRATION DATE: 08/31/2017

Duly Authorized Representative – Michelle Lapin PE:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

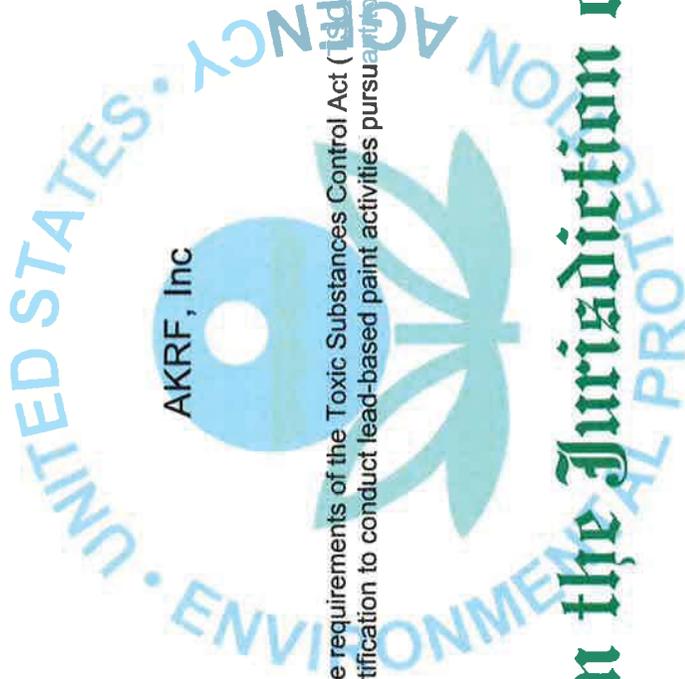
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director  
For the Commissioner of Labor

# United States Environmental Protection Agency

This is to certify that



AKRF, Inc

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires January 11, 2019

NY-18244-3

Certification #

December 28, 2015

Issued On

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



**GREGORY D BAIRD**  
CLASS(EXPIRES)  
C ATEC(06/17) D INSP(06/17)  
H PM (06/17)

CERT# 08-07088  
DMV# 338365873

MUST BE CARRIED ON ASBESTOS PROJECTS

NYC DEP ASBESTOS CONTROL PROGRAM  
ASBESTOS CERTIFICATE



**BAIRD,**  
GREGORY D  
INVESTIGATOR  
127084

EXPIRES: 6/14/2018  
DOB: 6/14/1981 M 5' 11"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS



IF FOUND RETURN TO:  
NYS DOL - L&C UNIT  
ROOM 161A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240



EYES BLU  
HAIR BRO  
HGT 5' 11"



DMV ID: 338365873

This certificate must be shown to a  
NYCDEP representative upon request.  
Report loss immediately to NYCDEP  
Asbestos Control Program, 8th floor  
59-17 Junction Blvd., Flushing, NY 11373



# United States Environmental Protection Agency

This is to certify that



Gregory D Baird

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

## In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires April 22, 2019

LBP-R-18858-1

Certification #

March 01, 2016

Issued On

A handwritten signature in black ink, appearing to read "John Gorman".

John Gorman, Chief

Pesticides & Toxic Substances Branch



**APPENDIX B**  
**LABORATORY CERTIFICATIONS**

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. DIMITRIOS MOLOHIDES  
ALPHA LABS LLC  
14-26 28TH AVENUE  
LONG ISLAND CITY, NY 11102

NY Lab Id No: 11833

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Metals I**

Lead, Total EPA 7000B

**Sample Preparation Methods**

EPA 3050B



Serial No.: 54484

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. DIMITRIOS MOLOHIDES  
ALPHA LABS LLC  
14-26 28TH AVENUE  
LONG ISLAND CITY, NY 11102

NY Lab Id No: 11833

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	ASTM D3335-85A

**Sample Preparation Methods**

ASTM D3335-85A  
ASTM E-1644-04

NEW  
YORK  
STATE

Department  
of Health

Serial No.: 54485

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

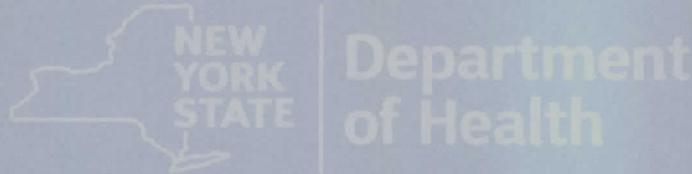
MR. DIMITRIOS MOLOHIDES  
ALPHA LABS LLC  
14-26 28TH AVENUE  
LONG ISLAND CITY, NY 11102

NY Lab Id No: 11833

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved analytes are listed below:*

**Miscellaneous**

Particulates	40 CFR PART 50 APP B
Suspended Particulates	40 CFR PART 50 APP B
	40 CFR PART 50 APP J (PM10)



Serial No.: 54486

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017  
Issued April 01, 2016

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. DIMITRIOS MOLOHIDES  
ALPHA LABS LLC  
14-26 28TH AVENUE  
LONG ISLAND CITY, NY 11102

NY Lab Id No: 11833

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved subcategories and/or analytes are listed below:*

**Metals I**

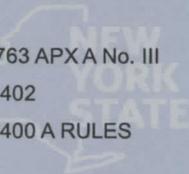
Lead, Total  
NIOSH 7082  
40 CFR PART 50 1984 APP G  
40 CFR PART 50 2013 APP G

**Miscellaneous**

Asbestos  
40 CFR 763 APX A No. III  
NIOSH 7402  
Fibers  
NIOSH 7400 A RULES

**Sample Preparation Methods**

40 CFR PART 50 APP G



Department  
of Health

**Serial No.: 54487**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

**APPENDIX C**  
**ASBESTOS, LEAD AND PCB LABORATORY ANALYSES AND CHAINS OF**  
**CUSTODY**



**ANALYSIS REPORT FOR LEAD IN PAINT FILM**

**Client:** AKRF, 440 Park Avenue South, New York, NY

**Building Address:** West 108<sup>th</sup> Street -143

**Project #:** 822304

**Date of collection:** 02/15/17

Client Sample #	Location	Description	Detection Limit (% Pb w/w)	Result (% Pb w/w)	Lab Sample #
143-1L	5 <sup>th</sup> - column - south	Silver - concrete	0.02%	0.11%	LP 17-02-028-01
143-2L	5 <sup>th</sup> - column - center	Green - steel	0.05%	0.41%	LP 17-02-028-02
143-3L	5 <sup>th</sup> - brick wall - west	Green/white - brick	0.02%	0.11%	LP 17-02-028-03
143-4L	5 <sup>th</sup> - piping - center	Black - steel	0.02%	<0.02%	LP 17-02-028-04
143-5L	5 <sup>th</sup> - elevator - wall	Black - block	0.05%	0.32%	LP 17-02-028-05
143-6L	3 <sup>rd</sup> - stairwell - handrail	Black - steel	0.11%	1.30%	LP 17-02-028-06
143-7L	4 <sup>th</sup> - bathroom wall	White - block	0.02%	0.09%	LP 17-02-028-07
143-8L	3 <sup>rd</sup> - stairwell - door frame	White/green - steel	0.16%	1.27%	LP 17-02-028-08
143-9L	1 <sup>st</sup> - column	White - concrete	0.10%	0.73%	LP 17-02-028-09
143-10L	Exterior - main gate/door	Black - steel	0.04%	0.26%	LP 17-02-028-10
143-11L	Exterior - guard	Yellow - steel	0.50%	4.03%	LP 17-02-028-11
143-12L	Exterior - stairwell - rear	Black - steel	0.44%	2.49%	LP 17-02-028-12

**Analysis by:** Flame AAS  
**Method:** ASTM D3335- 85A

**Date Received:** 02/23/2017  
**Date of Analysis:** 02/25/2017  
**Date of Report:** 02/28/2017

**Analyst:** \_\_\_\_\_

**K. Ansari**

**Lab Director:** \_\_\_\_\_

**D. Molohides**

Collection procedures, protocols and sample locations are based on information provided by the client submitting the samples; and as such, ALPHA Labs LLC disclaims any knowledge of and liability for the accuracy and completeness of this information.



### Lead Paint Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - 143

Date: 2/15/17

TAT: 5 day

Field Inspector: Baird

Page \_\_\_ of \_\_\_

Project Number 822304

Comments: Lease Paint by AAS. Results to: [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) [GBaird@akrf.com](mailto:GBaird@akrf.com)

LP 17.0.28

Sample Number	Paint Color	Substrate	Location
143-1L	Silver	Concrete	5 <sup>th</sup> - Column - South
143-2L	Green	Steel	5 <sup>th</sup> - Column - Center
143-3L	Green/white	Brick	5 <sup>th</sup> - Brick wall - West
143-4L	Black	Steel	5 <sup>th</sup> - Piping - Center
143-5L	Black	Block	5 <sup>th</sup> - Elevator - wall
143-6L	Black	Steel	3 <sup>rd</sup> - Stairwell - Handrail
143-7L	White	Block	4 <sup>th</sup> - Bathroom wall
143-8L	White/Green	Steel	3 <sup>rd</sup> - Stairwell - Door Frame
143-9L	White	Concrete	1 <sup>st</sup> - Column
143-10L	Black	Steel	Exterior - Main Gate Door
143-11L	Yellow	Steel	L - Guard
143-12L	Black	Steel	Exterior - Stairwell - Roof

Relinquished By: Oreg Baird  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: [Signature]  
Signature: \_\_\_\_\_ Date: 2/23/17 1340



14-26 28th Avenue

Long Island City, NY 11102

Tel.: (718) 482-7525 Fax: (718) 482-7524

www.alphalabsllc.com

### ANALYSIS REPORT FOR LEAD IN PAINT FILM

**Client:** AKRF, 440 Park Avenue South, New York, NY

**Building Address:** West 108<sup>th</sup> Street -159

**Project #:** 822304

**Date of collection:** 02/15/17

Client Sample #	Location	Description	Detection Limit (% Pb w/w)	Result (% Pb w/w)	Lab Sample #
159-1L	Interior walls	Black - block	0.02%	0.04%	LP 17-02-029-01
159-2L	3 <sup>rd</sup> floor - column	Black - concrete	0.02%	0.03%	LP 17-02-029-02
159-3L	3 <sup>rd</sup> floor - pipe	Black - steel	0.15%	1.05%	LP 17-02-029-03
159-4L	3 <sup>rd</sup> floor - stairwell	Red - steel	3.85%	36.95%	LP 17-02-029-04
159-5L	Exterior - rear stairwell	Black - steel	2.62%	28.84%	LP 17-02-029-05
159-6L	2 <sup>nd</sup> elevator door	Silver - steel	0.17%	1.30%	LP 17-02-029-06
159-7L	3 <sup>rd</sup> - walls - interior	Silver - concrete	0.02%	0.04%	LP 17-02-029-07
159-8L	2 <sup>nd</sup> - storage door	Orange - steel	1.47%	13.24%	LP 17-02-029-08
159-9L	Cellar - foundation wall	Black/silver - concrete	0.03%	0.23%	LP 17-02-029-09
159-10L	1 <sup>st</sup> floor - walls	White - concrete/brick	0.02%	0.04%	LP 17-02-029-10
159-11L	Exterior - front	Black - brick	0.02%	0.07%	LP 17-02-029-11
159-12L	Exterior - front	White - brick	0.02%	0.03%	LP 17-02-029-12

**Analysis by: Flame AAS**  
**Method: ASTM D3335- 85A**

**Date Received: 02/23/2017**  
**Date of Analysis: 02/25/2017**  
**Date of Report: 02/28/2017**

**Analyst:**   
**K. Ansari**

**Lab Director:**   
**D. Molohides**

Collection procedures, protocols and sample locations are based on information provided by the client submitting the samples; and as such, ALPHA Labs LLC disclaims any knowledge of and liability for the accuracy and completeness of this information.



### Lead Paint Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - 159

Date: 2/15/17

TAT: 5 day

Field Inspector: Baird

Page 1 of 1

Project Number 822304

Comments: Lease Paint by AAS. Results to: [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) [GBaird@akrf.com](mailto:GBaird@akrf.com)

LP 17-02-29

Sample Number	Paint Color	Substrate	Location
159-12	Black	Block	Interior walls-
159-22	Black	Concrete	3 <sup>rd</sup> Floor - Column
159-32	Black	Steel	3 <sup>rd</sup> Floor - Pipe
159-42	Red	Steel	3 <sup>rd</sup> Floor - Sumpwell
159-52	Black	Steel	3 <sup>rd</sup> Floor - Sumpwell
159-62	Silver	Steel	2 <sup>nd</sup> Elevator Door
159-72	Silver	Concrete	3 <sup>rd</sup> - walls - Interior
159-82	Orange	Steel	2 <sup>nd</sup> - Storage Door
159-92	Black/Silver	Concrete	Cellar - Foundation wall
159-102	White	Concrete/Block	1 <sup>st</sup> Floor - Walls
159-112	Black	Brick	Exterior - Front
159-122	White	Brick	5

Relinquished By: Greg Baird  
Signature: [Signature]

Date: 2/23/17

Received By: [Signature] Date: 2/23/17 1345



14-26 28th Avenue

Long Island City, NY 11102

Tel.: (718) 482-7525 Fax: (718) 482-7524

www.alphalabsllc.com

### ANALYSIS REPORT FOR LEAD IN PAINT FILM

**Client:** AKRF, 440 Park Avenue South, New York, NY

**Building Address:** West 108<sup>th</sup> Street -103

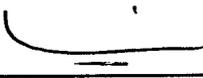
**Project #:** 822304

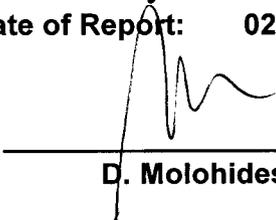
**Date of collection:** 02/16/17

Client Sample #	Location	Description	Detection Limit (% Pb w/w)	Result (% Pb w/w)	Lab Sample #
103-1L	Stairwell - handrail	Black - steel	0.74%	4.81%	LP 17-02-030-01
103-2L	3 <sup>rd</sup> - elevator - gate	Red - steel	0.99%	7.08%	LP 17-02-030-02
103-3L	3 <sup>rd</sup> - north wall	Black - brick	0.13%	0.66%	LP 17-02-030-03
103-4L	3 <sup>rd</sup> - east wall	Red - brick	0.03%	0.21%	LP 17-02-030-04
103-5L	3 <sup>rd</sup> - column	Gray - concrete	0.05%	0.51%	LP 17-02-030-05
103-6L	2 <sup>nd</sup> - west wall	Black/white - brick	0.02%	0.08%	LP 17-02-030-06
103-7L	2 <sup>nd</sup> - storage room	Yellow - concrete	0.02%	0.07%	LP 17-02-030-07
103-8L	2 <sup>nd</sup> - storage room	Blue - concrete	0.02%	0.04%	LP 17-02-030-08
103-9L	1 <sup>st</sup> - exterior - front	Yellow - brick	0.50%	3.11%	LP 17-02-030-09
103-10L	1 <sup>st</sup> - exterior - front	Red - brick	0.86%	6.82%	LP 17-02-030-10
103-11L	1 <sup>st</sup> - interior south wall	White - concrete	0.02%	0.20%	LP 17-02-030-11
103-12L	1 <sup>st</sup> - bathroom	Blue/gray - concrete	0.14%	0.53%	LP 17-02-030-12

**Analysis by: Flame AAS**  
**Method: ASTM D3335- 85A**

**Date Received: 02/23/2017**  
**Date of Analysis: 02/27/2017**  
**Date of Report: 02/28/2017**

**Analyst:**   
**K. Ansari**

**Lab Director:**   
**D. Molohides**

Collection procedures, protocols and sample locations are based on information provided by the client submitting the samples; and as such, ALPHA Labs LLC disclaims any knowledge of and liability for the accuracy and completeness of this information.

## Lead Paint Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - 103

Date: 2/16/17

TAT: 5 day

Field Inspector: Baird

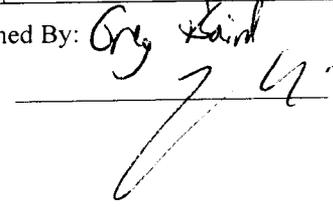
Page 1 of 1

Project Number 822304

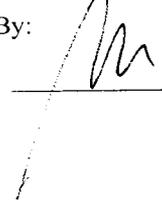
UP 17-0230

Comments: Lease Paint by AAS. Results to: [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) [GBaird@akrf.com](mailto:GBaird@akrf.com)

Sample Number	Paint Color	Substrate	Location
103-1L	Black	Steel	Stairwell - Handrail
103-2L	Red	Steel	3 <sup>rd</sup> - Elevator - Gate
103-3L	Black	Brick	3 <sup>rd</sup> - North wall
103-4L	Red	Brick	3 <sup>rd</sup> - East wall
103-5L	Gray	Concrete	3 <sup>rd</sup> - Column
103-6L	Black/white	Brick	2 <sup>nd</sup> - West wall
103-7L	Yellow	Concrete	2 <sup>nd</sup> - Storage Room
103-8L	Blue	Concrete	2 <sup>nd</sup> - Storage Room
103-9L	Yellow	Brick	1 <sup>st</sup> - Exterior - Front
103-10L	Red	Brick	b b
103-11L	White	Concrete	1 <sup>st</sup> - Interior - South wall
103-12L	Blue/gray	Concrete	1 <sup>st</sup> - Storage Room

Relinquished By: Greg Baird  
Signature: 

Date: 2/23/17

Received By:   
Signature: 2/23/17 Date: 1/3/15



**ANALYSIS REPORT FOR LEAD IN PAINT FILM**

**Client:** AKRF, 440 Park Avenue South, New York, NY

**Building Address:** West 108<sup>th</sup> Street - Valley Lodge

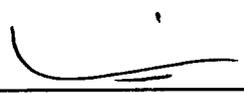
**Project #:** 822304

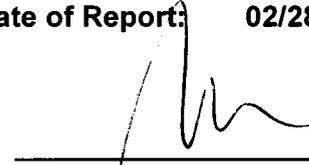
**Date of collection:** 02/23/17

Client Sample #	Location	Description	Detection Limit (% Pb w/w)	Result (% Pb w/w)	Lab Sample #
VL-1L	Supply room - ceiling - cellar	White - drywall	0.02%	<0.02%	LP 17-02-031-01
VL-2L	Hallway walls - cellar	White - block	0.02%	<0.02%	LP 17-02-031-02
VL-3L	Electrical room door	Gray - steel	0.03%	<0.03%	LP 17-02-031-03
VL-4L	Rear - fire escape	Black - steel	0.02%	<0.02%	LP 17-02-031-04
VL-5L	Rear - window bars	Black - steel	0.02%	0.03%	LP 17-02-031-05
VL-6L	Exterior - rear skim	Gray - concrete	0.02%	<0.02%	LP 17-02-031-06
VL-7L	Exterior - rear courtyard	Green - concrete	0.02%	0.05%	LP 17-02-031-07
VL-8L	Exterior - rear storage wall	Gray - concrete	0.02%	<0.02%	LP 17-02-031-08
VL-9L	Exterior - front - window casing	Gray - concrete	0.02%	0.05%	LP 17-02-031-09

**Analysis by: Flame AAS**  
**Method: ASTM D3335- 85A**

**Date Received: 02/23/2017**  
**Date of Analysis: 02/27/2017**  
**Date of Report: 02/28/2017**

**Analyst:**   
**K. Ansari**

**Lab Director:**   
**D. Molohides**

Collection procedures, protocols and sample locations are based on information provided by the client submitting the samples; and as such, ALPHA Labs LLC disclaims any knowledge of and liability for the accuracy and completeness of this information.



### Lead Paint Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - Valley Lodge

Date: 2/23/17

TAT: 5 day

Field Inspector: Baird

Page 1 of 1

Project Number 822304

Comments: Lease Paint by AAS. Results to: [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) [GBaird@akrf.com](mailto:GBaird@akrf.com)

CP 17.02.031

Sample Number	Paint Color	Substrate	Location
VL-1L	White	Pyramall	Supply Room - Ceiling - Cellar
VL-2L	White	Block	<del>the</del> Hallway Walls - Cellar
VL-3L	Gray	Steel	Electrical Room Door
VL-4L	Black	Steel	Rear - Fire escape
VL-5L	Black	Steel	Rear - Window Bars
VL-6L	Gray	Concrete	Exterior - Rear SKIM
VL-7L	Green	Concrete	Exterior - Rear Courtyard
VL-8L	Gray	Concrete	Exterior - Rear Storage hall
VL-9L	Gray	Concrete	Exterior - Front - window casing

Relinquished By: Geggy Baird  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: [Signature]  
Signature: \_\_\_\_\_  
Date: 2/23/17 1350



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-143

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1A 17-02-094-01	Brown Block Mortar	5 <sup>th</sup> Floor Elevator wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1B 17-02-094-02	Brown Block Mortar	4 <sup>th</sup> Floor Elevator wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1C 17-02-094-03	Brown Block Mortar	3 <sup>rd</sup> Floor Elevator wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2A 17-02-094-04	Brick Mortar	5 <sup>th</sup> Floor Stairwell – West	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2B 17-02-094-05	Brick Mortar	4 <sup>th</sup> Floor Stairwell – West	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2C 17-02-094-06	Brick Mortar	2 <sup>nd</sup> Floor Stairwell – West	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
3A 17-02-094-07	Exterior Window Caulk	5 <sup>th</sup> Floor Large windows - South	Gray Homogeneous NOB	42.7	21.2	36.1	0%	91%	9.0% CH	
3B 17-02-094-08	Exterior Window Caulk	4 <sup>th</sup> Floor Large windows – South	Gray Homogeneous NOB	24.4	39.3	36.3			NA/PS	
3C 17-02-094-09	Exterior Window Caulk	2 <sup>nd</sup> Floor Large windows - North	Gray Homogeneous NOB	20.3	44.0	35.7			NA/PS	
4A 17-02-094-10	Interior Window Glaze	5 <sup>th</sup> Floor Large windows - South	Beige Homogeneous NOB	9.8	80.2	10.0	0%	100%	NAD Inconclusive	NAD
4B 17-02-094-11	Interior Window Glaze	4 <sup>th</sup> Floor Large windows – South	White Homogeneous NOB	3.7	86.8	9.5	0%	100%	NAD Inconclusive	NAD
4C 17-02-094-12	Interior Window Glaze	2 <sup>nd</sup> Floor Large windows - North	White Homogeneous NOB	4.9	66.0	29.2	0%	100%	NAD Inconclusive	NAD



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-143

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
5A 17-02-094-13	Concrete Skim	4 <sup>th</sup> Floor Window Sill – Skim	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5B 17-02-094-14	Concrete Skim	3 <sup>rd</sup> Floor Window Sill – Interior	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5C 17-02-094-15	Concrete Skim	3 <sup>rd</sup> Floor Window Sill – Interior	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
6A 17-02-094-16	Drywall	2 <sup>nd</sup> Floor Office wall	Off White/Brown Homogeneous Friable	Not Applicable			40% CELL 5% FBGL	55%	NAD	
6B 17-02-094-17	Drywall	2 <sup>nd</sup> Floor Office wall	Off White/Brown Homogeneous Friable	Not Applicable			35% CELL 5% FBGL	60%	NAD	
6C 17-02-094-18	Drywall	2 <sup>nd</sup> Floor Office wall	Off White/Brown Homogeneous Friable	Not Applicable			30% CELL 5% FBGL	65%	NAD	
7A 17-02-094-19	Joint Compound	2 <sup>nd</sup> Floor Office wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
7B 17-02-094-20	Joint Compound	2 <sup>nd</sup> Floor Office wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
7C 17-02-094-21	Joint Compound	2 <sup>nd</sup> Floor Office wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
8A 17-02-094-22	Block Mortar	2 <sup>nd</sup> Floor Interior wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
8B 17-02-094-23	Block Mortar	2 <sup>nd</sup> Floor Interior wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
8C 17-02-094-24	Block Mortar	2 <sup>nd</sup> Floor Interior wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-143

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
9A 17-02-094-25	Red 9x9 Floor Tile	1 <sup>st</sup> Floor Office Floor	Red Homogeneous NOB	26.6	21.4	52.0	0%	88.4%	11.6% CH	
9B 17-02-094-26	Red 9x9 Floor Tile	1 <sup>st</sup> Floor Office Floor	Red Homogeneous NOB	27.0	47.9	25.2			NA/PS	
10A 17-02-094-27	Green 9x9 Floor Tile	1 <sup>st</sup> Floor Office Floor	Green Homogeneous NOB	29.5	22.2	48.3	0%	90.3%	9.7% CH	
10B 17-02-094-28	Green 9x9 Floor Tile	1 <sup>st</sup> Floor Office Floor	Green Homogeneous NOB	30.1	24.7	45.1			NA/PS	
11A 17-02-094-29	Black Mastic	1 <sup>st</sup> Floor Office Floor	Black Homogeneous NOB	37.7	34.6	27.7	0%	95%	5.0% CH	
11B 17-02-094-30	Black Mastic	1 <sup>st</sup> Floor Office Floor	Black Homogeneous NOB	36.1	47.6	16.2			NA/PS	
12A 17-02-094-31	2x2 Ceiling Tile	1 <sup>st</sup> Floor Office Ceiling	Beige Homogeneous Friable	22.7	24.8	52.6	60% CELL 10% FBGL	30%	NAD Inconclusive	NAD
12B 17-02-094-32	2x2 Ceiling Tile	1 <sup>st</sup> Floor Office Ceiling	Beige Homogeneous Friable	18.9	34.5	46.5	60% CELL 10% FBGL	30%	NAD Inconclusive	NAD



14-26 28th Avenue

Long Island City, NY 11102

Tel.: (718) 482-7525 Fax: (718) 482-7524

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## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-143

**PROJECT:** 22304

Date Received: 2/23/17

Date of PLM Analysis: 2/24/17

Date of TEM Analysis: 2/24/17

Date of Report: 2/27/17

PLM Analyst: E. Giannakopoulou

TEM Analyst: A. Ansari

Analyst:

  
E. Giannakopoulou

QC Review / Date: \_\_\_\_\_

D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1200608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(November 1, 2016)**

**NYS-DOH ELAP # 11833**

**NVLAP Lab Code: 200691-0**



17-02-94

AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

### Bulk Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - 143

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 1 of 2

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
1	A	Brown Block Mortar	5 <sup>th</sup>	Entrance wall	
↓	B	↓	4 <sup>th</sup>	↓	
↓	C	↓	3 <sup>rd</sup>	↓	
2	A	Brick Mortar	5 <sup>th</sup>	Stairwell - West	
↓	B	↓	4 <sup>th</sup>	↓	
↓	C	↓	2 <sup>nd</sup>	↓	
3	A	Exterior Window Caddy	5 <sup>th</sup>	Large windows - South	
↓	B	↓	4 <sup>th</sup>	↓	
↓	C	↓	2 <sup>nd</sup>	North	
4	A	Interior Window Glaze	5 <sup>th</sup>	South	
↓	B	↓	6 <sup>th</sup>	South	
↓	C	↓	2 <sup>nd</sup>	North	
5	A	Concrete Skim	4 <sup>th</sup>	Window Sill - Skim	
↓	B	↓	3 <sup>rd</sup>	↓	
↓	C	↓	3 <sup>rd</sup>	Interior	
6	A	Drywall	2 <sup>nd</sup>	Office Wall	
↓	B	↓	2 <sup>nd</sup>	↓	

Relinquished By: Greg Baird  
Signature: [Signature]

Date: 2/23/17

Received By: [Signature]  
Signature: [Signature] Date: 2/23/17 1540

17-02-94



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - 143

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 2 of 2

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
6	C	12" wall			
7	A	Joint Compound	2nd	Office wall	
	B		2nd		
8	C				
8	A	Block Material	2nd	Interior wall	
6	B				
9	A	Red 9x9 Floor Tile	1st	Office Floor	94 sq ft
9	B				200 sq ft
10	A	Green 9x9 Floor Tile			
10	B				
11	A	Black Material			
11	B				
12	A	2x2 Ceiling Tile	1st	Office Ceiling	
12	B				

Relinquished By: Grey Baird  
Signature: [Signature]

Date: 2/23/17 Received By: [Signature] Date: 2/23/17  
Signature: [Signature]



14-26 28th Avenue

Long Island City, NY 11102

Tel.: (718) 482-7525 Fax: (718) 482-7524

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## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street- 159

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1A 17-02-095-01	Interior Window Glaze	3 <sup>rd</sup> Floor North window	Lt. Gray Homogeneous NOB	5.4	83.0	11.7	0%	100%	NAD Inconclusive	NAD
1B 17-02-095-02	Interior Window Glaze	4 <sup>th</sup> Floor South window	Lt. Gray Homogeneous NOB	6.2	88.7	5.1	0%	100%	NAD Inconclusive	NAD
1C 17-02-095-03	Interior Window Glaze	4 <sup>th</sup> Floor South window	Lt. Gray Homogeneous NOB	6.9	85.6	7.5	0%	100%	NAD Inconclusive	NAD
2A.1 17-02-095-04	6" Pipe Insulation (1 <sup>st</sup> layer)	4 <sup>th</sup> Floor North Ceiling	Off White Homogeneous Friable	Not Applicable			0%	73%	27% CH	
2A.2 17-02-095-05	6" Pipe Insulation (2 <sup>nd</sup> layer)	4 <sup>th</sup> Floor North Ceiling	Brown Homogeneous Friable	Not Applicable			90% CELL	10%	NAD	
2B.1 17-02-095-06	6" Pipe Insulation (1 <sup>st</sup> layer)	4 <sup>th</sup> Floor South Riser	Off White Homogeneous Friable	Not Applicable					NA/PS	
2B.2 17-02-095-07	6" Pipe Insulation (2 <sup>nd</sup> layer)	4 <sup>th</sup> Floor South Riser	Brown Homogeneous Friable	Not Applicable			90% CELL	10%	NAD	
2C.1 17-02-095-08	6" Pipe Insulation (1 <sup>st</sup> layer)	3 <sup>rd</sup> Floor South Riser	Off White Homogeneous Friable	Not Applicable					NA/PS	
2C.2 17-02-095-09	6" Pipe Insulation (2 <sup>nd</sup> layer)	3 <sup>rd</sup> Floor South Riser	Brown Homogeneous Friable	Not Applicable			90% CELL	10%	NAD	
3A 17-02-095-10	6" Pipe Elbow	4 <sup>th</sup> Floor North Ceiling	Off White Homogeneous Friable	Not Applicable			0%	75%	25% CH	
3B 17-02-095-11	6" Pipe Elbow	4 <sup>th</sup> Floor South Riser	Off White Homogeneous Friable	Not Applicable					NA/PS	
3C 17-02-095-12	6" Pipe Elbow	3 <sup>rd</sup> Floor South Riser	Off White Homogeneous Friable	Not Applicable					NA/PS	



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-159

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type
4A 17-02-095-13	Brown Block Mortar	4 <sup>th</sup> Floor Interior walls	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
4B 17-02-095-14	Brown Block Mortar	3 <sup>rd</sup> Floor Interior walls	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
4C 17-02-095-15	Brown Block Mortar	2 <sup>nd</sup> Floor Interior walls	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
5A 17-02-095-16	Brick Mortar	4 <sup>th</sup> Floor Interior walls	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD
5B 17-02-095-17	Brick Mortar	3 <sup>rd</sup> Floor Interior walls	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD
5C 17-02-095-18	Brick Mortar	2 <sup>nd</sup> Floor Interior walls	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD
6A 17-02-095-19	Stairwell - Skim	3 <sup>rd</sup> Floor Interior Skim coat	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
6B 17-02-095-20	Stairwell - Skim	3 <sup>rd</sup> Floor Interior Skim coat	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
6C 17-02-095-21	Stairwell - Skim	2 <sup>nd</sup> Floor Interior Skim coat	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
7A 17-02-095-22	Concrete - Skim	3 <sup>rd</sup> Floor Window sill	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
7B 17-02-095-23	Concrete - Skim	2 <sup>nd</sup> Floor Window sill	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD
7C 17-02-095-24	Concrete - Skim	2 <sup>nd</sup> Floor Window sill	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street- 159

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
8A 17-02-095-25	Misc Black Coating	2 <sup>nd</sup> Floor North wall	Black Homogeneous NOB	8.4	59.4	32.2	0%	100%	NAD Inconclusive	NAD
8B 17-02-095-26	Misc Black Coating	2 <sup>nd</sup> Floor North wall	Black Homogeneous NOB	8.2	70.9	21.0	0%	100%	NAD Inconclusive	NAD
8C 17-02-095-27	Misc Black Coating	2 <sup>nd</sup> Floor South wall	Black Homogeneous NOB	12.3	48.0	39.7	0%	100%	NAD Inconclusive	NAD
9A 17-02-095-28	Drywall	1 <sup>st</sup> Floor East offices	Off White/Brown Homogeneous Friable	Not Applicable			70% CELL	30%	NAD	
9A 17-02-095-29	Drywall	1 <sup>st</sup> Floor East offices	Off White/Brown Homogeneous Friable	Not Applicable			20% CELL 5% FBGL	75%	NAD	
9C 17-02-095-30	Drywall	1 <sup>st</sup> Floor East offices	Off White/Brown Homogeneous Friable	Not Applicable			15% CELL 5% FBGL	80%	NAD	
10A 17-02-095-31	Joint Compound	1 <sup>st</sup> Floor East offices	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
10B 17-02-095-32	Joint Compound	1 <sup>st</sup> Floor East offices	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
10C 17-02-095-33	Joint Compound	1 <sup>st</sup> Floor East offices	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
11A 17-02-095-34	White 12x12 Floor Tile	1 <sup>st</sup> Floor Office	Off White/Green Homogeneous NOB	42.0	55.8	2.2	0%	100%	NAD Inconclusive	NAD
11B 17-02-095-35	White 12x12 Floor Tile	1 <sup>st</sup> Floor Office	Off White/Green Homogeneous NOB	41.7	57.2	1.1	0%	100%	NAD Inconclusive	NAD
12A 17-02-095-36	Black underlayment	1 <sup>st</sup> Floor Office	Black Homogeneous NOB	82.0	6.9	11.0	0%	100%	NAD Inconclusive	NAD
12B 17-02-095-37	Black underlayment	1 <sup>st</sup> Floor Office	Black Homogeneous NOB	82.8	9.1	8.0	0%	100%	NAD Inconclusive	NAD



14-26 28th Avenue

Long Island City, NY 11102

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## **BULK SAMPLE ANALYSIS REPORT**

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-159

**PROJECT:** 22304

Date Received: 2/23/17  
Date of PLM Analysis: 2/24/17  
Date of TEM Analysis: 2/24/17  
Date of Report: 2/27/17

PLM Analyst: E. Giannakopoulou  
TEM Analyst: A. Ansari

Analyst: E. Giannakopoulou  
E. Giannakopoulou

QC Review / Date: \_\_\_\_\_  
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1200608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(November 1, 2016)**

**NYS-DOH ELAP # 11833**

**NVLAP Lab Code: 200691-0**



**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - 159

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Page 1 of 2

17.02.95

Project Number: 22304

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
1	A	Interior Window Glaze	3 <sup>rd</sup>	N. - window	
↓	B	↓	4 <sup>th</sup>	South window	
↓	C	↓	5 <sup>th</sup>	↓	
2	A	6" Pipe Insulation	4 <sup>th</sup>	North Ceiling	
↓	B	↓	4 <sup>th</sup>	South Rise	
↓	C	↓	3 <sup>rd</sup>	↓	
3	A	6" Pipe Elbow	4 <sup>th</sup>	North Ceiling	
↓	B	↓	4 <sup>th</sup>	South Rise	
↓	C	↓	3 <sup>rd</sup>	↓	
4	A	Brown Block Mortar	4 <sup>th</sup>	Interior walls	
↓	B	↓	3 <sup>rd</sup>	↓	
↓	C	↓	2 <sup>nd</sup>		
5	A	Brick Mortar	4 <sup>th</sup>		
↓	B	↓	3 <sup>rd</sup>		
↓	C	↓	2 <sup>nd</sup>		
6	A	Stairwell-Skim	3 <sup>rd</sup>	Interior Skim Coat	
↓	B	↓	3 <sup>rd</sup>	↓	

Relinquished By: Greg Baird  
 Signature: \_\_\_\_\_

Date: 2/23/17

Received By: [Signature]  
 Signature: \_\_\_\_\_ Date: 2/23/17



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

### Bulk Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - 159

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Page 2 of 2

17-02-95

Project Number: 22304

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
6	C	Stairwell - Skim	2 <sup>nd</sup>	Interior Skim	
7	A	Concrete Skim	3 <sup>rd</sup>	Whisper Jill	
↓	B	↓	2 <sup>nd</sup>	↓	
↓	C	↓	2 <sup>nd</sup>	↓	
8	A	Misc Black Coating	2 <sup>nd</sup>	North wall	
↓	B	↓	↓	↓	
↓	C	↓	↓	South wall	
9	A	Drywall	1 <sup>st</sup>	East office	
↓	B	↓	↓	↓	
↓	C	↓	↓	↓	
10	A	Joint Compound	↓	↓	
↓	B	↓	↓	↓	
↓	C	↓	↓	↓	
11	A	White Dado FT	1 <sup>st</sup>	Office	13x18
↓	B	↓	↓	↓	
12	A	Black Underlayment	↓	↓	
↓	B	↓	↓	↓	

Relinquished By: Greg Baird  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: [Signature]  
Signature: \_\_\_\_\_ Date: 2/23/17 1340



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-103

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1A 17-02-096-01	Brown Block Mortar	3 <sup>rd</sup> Floor North wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1B 17-02-096-02	Brown Block Mortar	3 <sup>rd</sup> Floor East	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1C 17-02-096-03	Brown Block Mortar	2 <sup>nd</sup> Floor Stairwell	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2A 17-02-096-04	Brick Mortar	3 <sup>rd</sup> Floor South wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2B 17-02-096-05	Brick Mortar	3 <sup>rd</sup> Floor Stairwell	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
2C 17-02-096-06	Brick Mortar	2 <sup>nd</sup> Floor South wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
3A 17-02-096-07	Bock Mortar	3 <sup>rd</sup> Floor South - Blocked over windows	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
3B 17-02-096-08	Bock Mortar	3 <sup>rd</sup> Floor South - Blocked over windows	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
3C 17-02-096-09	Bock Mortar	2 <sup>nd</sup> Floor South - Blocked over windows	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
4A 17-02-096-10	Concrete Skim	3 <sup>rd</sup> Floor Ceiling Beams	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
4B 17-02-096-11	Concrete Skim	3 <sup>rd</sup> Floor Ceiling Beams	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
4C 17-02-096-12	Concrete Skim	3 <sup>rd</sup> Floor Ceiling Beams	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-103

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
4D 17-02-096-13	Concrete Skim	3 <sup>rd</sup> Floor Ceiling Beams	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
4E 17-02-096-14	Concrete Skim	3 <sup>rd</sup> Floor Ceiling Beams	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5A 17-02-096-15	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - near drywall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5B 17-02-096-16	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - near drywall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5C 17-02-096-17	Concrete Skim	2 <sup>nd</sup> Floor Rear Beams - near drywall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
6A 17-02-096-18	Drywall	2 <sup>nd</sup> Floor Rear wall	Lt. Gray/Brown Homogeneous Friable	Not Applicable			15% CELL 5% FBGL	80%	NAD	
6B 17-02-096-19	Drywall	2 <sup>nd</sup> Floor Rear wall	Lt. Gray/Brown Homogeneous Friable	Not Applicable			20% CELL 5% FBGL	75%	NAD	
6C 17-02-096-20	Drywall	2 <sup>nd</sup> Floor Rear wall	Lt. Gray/Brown Homogeneous Friable	Not Applicable			60% CELL 5% FBGL	35%	NAD	
7A 17-02-096-21	Joint Compound	2 <sup>nd</sup> Floor Rear wall	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
7B 17-02-096-22	Joint Compound	2 <sup>nd</sup> Floor Rear wall	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
7C 17-02-096-23	Joint Compound	2 <sup>nd</sup> Floor Rear wall	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
8A 17-02-096-24	Pipe Insulation (with inseparable mastic)	1 <sup>st</sup> Floor Ceiling - East	Beige/Black Homogeneous NOB	42.3	26.9	30.8	0%	100%	NAD Inconclusive	NAD



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-103

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
8B 17-02-096-25	Pipe Insulation (with inseparable mastic)	1 <sup>st</sup> Floor Ceiling - East	Beige/Black Homogeneous NOB	57.4	28.5	14.1	0%	100%	NAD Inconclusive	NAD
8C 17-02-096-26	Pipe Insulation (with inseparable mastic)	1 <sup>st</sup> Floor Ceiling - East	Beige/Black Homogeneous NOB	44.6	33.6	21.7	0%	100%	NAD Inconclusive	NAD
9A 17-02-096-27	Yellow Tile Thin set	1 <sup>st</sup> Floor Bathroom	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD	
9B 17-02-096-28	Yellow Tile Thin set	1 <sup>st</sup> Floor Bathroom	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD	
10A 17-02-096-29	Yellow Tile Grout	1 <sup>st</sup> Floor Bathroom	Gray Homogeneous Friable	Not Applicable			0%	97.5%	2.5% CH	
10B 17-02-096-30	Yellow Tile Grout	1 <sup>st</sup> Floor Bathroom	Gray Homogeneous Friable	Not Applicable					NA/PS	



14-26 28th Avenue

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## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-103

**PROJECT:** 22304

Date Received: 2/23/17

Date of PLM Analysis: 2/24/17

Date of TEM Analysis: 2/24/17

Date of Report: 2/27/17

PLM Analyst: E. Giannakopoulou

TEM Analyst: A. Ansari

Analyst: E. Giannakopoulou  
E. Giannakopoulou

QC Review / Date: \_\_\_\_\_  
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1200608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(November 1, 2016)**

**NYS-DOH ELAP # 11833**

**NVLAP Lab Code: 200691-0**

17.02.96



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - 103

Date: ~~2/16/17~~ 2/16/17 TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 1 of 2

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
1	A	Brown Block Mortar	3 <sup>rd</sup>	North wall	
↓	B	↓	3 <sup>rd</sup>	East	
↓	C	↓	2 <sup>nd</sup>	Stairwell	
2	A	Brick Mortar	3 <sup>rd</sup>	South wall	
↓	B	↓	3 <sup>rd</sup>	Stairwell	
↓	C	↓	2 <sup>nd</sup>	South wall	
3	A	Black Mortar	3 <sup>rd</sup>	South - double door	
↓	B	↓	3 <sup>rd</sup>	Windows	
↓	C	↓	2 <sup>nd</sup>	↓	
4	A	Concrete Skim	3 <sup>rd</sup>	Ceiling Beams	
↓	B	↓	↓	↓	
↓	C	↓	↓	↓	
↓	D	↓	↓	↓	
↓	E	↓	↓	↓	
5	A	Concrete Skim	2 <sup>nd</sup>	Rev Beams near	
↓	B	↓	↓	↓	
↓	C	↓	↓	↓	

Relinquished By: *Greg Baird*  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: \_\_\_\_\_  
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

17-02-96



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - 103

Date: 2/15/17 2/16/17 TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 2 of 2

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
6	A	Drywall	2nd	Wall	
	B				
	C				
7	A	Joint Compound			
	B				
	C				
8	A	Yellow Insulation	1st	Ceiling East	25 LB
	B				
	C				
9	A	Yellow Tile thin set	1st	Bathroom	
9	B				
10	A	Yellow Tile Grout			
10	B				

Relinquished By: Greg Baird  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-Valley Lodge

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1A 17-02-097-01	Store Mortar	Cellar Exterior wall	Beige Homogeneous Friable	Not Applicable			0%	100%	NAD	
1B 17-02-097-02	Store Mortar	Cellar Exterior wall	Brown Homogeneous Friable	Not Applicable			0%	100%	NAD	
1C 17-02-097-03	Store Mortar	Cellar Exterior wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
2A 17-02-097-04	Drywall	Cellar Elevator Machine Room	White Homogeneous Friable	Not Applicable			2% CELL 10% FBGL	88%	NAD	
2B 17-02-097-05	Drywall	Cellar Center Hall Ceiling	White/Brown Homogeneous Friable	Not Applicable			15% CELL 5% FBGL	80%	NAD	
2C 17-02-097-06	Drywall	Cellar Supply Room	Beige/Brown Homogeneous Friable	Not Applicable			20% CELL 10% FBGL	70%	NAD	
3A 17-02-097-07	Joint Compound	Cellar Elevator Machine Room	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
3B 17-02-097-08	Joint Compound	Cellar Center Hall Ceiling	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
3C 17-02-097-09	Joint Compound	Cellar Supply Room	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
4A 17-02-097-10	Pipe Insulation Sleeve	Cellar Throughout	White/Silver Homogeneous Friable	Not Applicable			70% CELL 15% FBGL	15%	NAD	
4B 17-02-097-11	Pipe Insulation Sleeve	Cellar Throughout	White/Silver Homogeneous Friable	Not Applicable			70% CELL 10% FBGL	20%	NAD	
4C 17-02-097-12	Pipe Insulation Sleeve	Cellar Throughout	White/Silver Homogeneous Friable	Not Applicable			70% CELL 15% FBGL	15%	NAD	



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-Valley Lodge

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
5A 17-02-097-13	Block Mortar	Cellar Throughout	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
5B 17-02-097-14	Block Mortar	Cellar Throughout	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
5C 17-02-097-15	Block Mortar	Cellar Throughout	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
6A 17-02-097-16	Concrete Skim	Cellar Interior walls	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
6B 17-02-097-17	Concrete Skim	Cellar Interior walls	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
6C 17-02-097-18	Concrete Skim	Cellar Interior walls	Lt. Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
7A 17-02-097-19	12x12 Gray Floor Tile	Cellar Super Office	Off White Homogeneous NOB	23.7	61.0	15.3	0%	100%	NAD Inconclusive	NAD
7B 17-02-097-20	12x12 Gray Floor Tile	Cellar Super Office	Off White Homogeneous NOB	24.0	54.1	21.9	0%	100%	NAD Inconclusive	NAD
8A 17-02-097-21	Yellow Mastic	Cellar Super Office	Yellow Homogeneous NOB	47.4	43.1	9.5	0%	100%	NAD Inconclusive	NAD
8B 17-02-097-22	Yellow Mastic	Cellar Super Office	Yellow Homogeneous NOB	37.6	61.1	1.3	0%	100%	NAD Inconclusive	NAD
9A 17-02-097-23	Gray Cove Base	Cellar Hallway	Gray Homogeneous NOB	57.9	40.7	1.4	0%	100%	NAD Inconclusive	NAD
9B 17-02-097-24	Gray Cove Base	Cellar Hallway	Gray Homogeneous NOB	55.9	42.4	1.7	0%	100%	NAD Inconclusive	NAD



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-Valley Lodge

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
10A 17-02-097-25	Pipe Insulation Hard pack	Cellar Boiler Room	White Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
10B 17-02-097-26	Pipe Insulation Hard pack	Cellar Boiler Room	White Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
10C 17-02-097-27	Pipe Insulation Hard pack	Cellar Boiler Room	White Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
11A 17-02-097-28	Black Cove Base	Cellar Activity Room	Black Homogeneous NOB	50.4	48.0	1.6	0%	100%	<b>NAD</b> Inconclusive	<b>NAD</b>
11B 17-02-097-29	Black Cove Base	Cellar Activity Room	Black Homogeneous NOB	48.8	50.0	1.2	0%	100%	<b>NAD</b> Inconclusive	<b>NAD</b>
12A 17-02-097-30	12x12 White with blue Floor Tile	Cellar Activity Room	White Homogeneous NOB	11.5	81.4	7.0	0%	100%	<b>NAD</b> Inconclusive	<b>NAD</b>
12B 17-02-097-31	12x12 White with blue Floor Tile	Cellar Activity Room	White Homogeneous NOB	11.2	83.6	5.2	0%	100%	<b>NAD</b> Inconclusive	<b>NAD</b>
13A.1 17-02-097-32	Concrete Skim (top layer)	Cellar Rear Exterior	Gray/Green Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
13A.2 17-02-097-33	Concrete Skim (bottom layer)	Cellar Rear Exterior	Brown Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
13B.1 17-02-097-34	Concrete Skim (top layer)	Cellar Rear Exterior	Gray/Green Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
13B.2 17-02-097-35	Concrete Skim (bottom layer)	Cellar Rear Exterior	Brown Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	
13C 17-02-097-36	Concrete Skim	Cellar Rear Exterior	Gray Homogeneous Friable	Not Applicable			0%	100%	<b>NAD</b>	



## BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601

**BUILDING ADDRESS:** West 108<sup>th</sup> Street-Valley Lodge

**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM		TEM	
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
13D 17-02-097-37	Concrete Skim	1 <sup>st</sup> Floor Rear Exterior	Gray/Black Homogeneous Friable	Not Applicable			0%	100%	NAD	
13E.1 17-02-097-38	Concrete Skim (top layer)	1 <sup>st</sup> Floor Rear Exterior	Gray/Beige Homogeneous Friable	Not Applicable			0%	100%	NAD	
13E.2 17-02-097-39	Concrete Skim (bottom layer)	1 <sup>st</sup> Floor Rear Exterior	Brown Homogeneous Friable	Not Applicable			0%	100%	NAD	
14A 17-02-097-40	Window Caulk	Cellar Exterior Rear	Black Homogeneous NOB	68.8	27.5	3.6	0%	100%	NAD Inconclusive	NAD
14B 17-02-097-41	Window Caulk	1 <sup>st</sup> Floor Exterior Rear	Black Homogeneous NOB	70.7	25.5	3.7	0%	100%	NAD Inconclusive	NAD
15A 17-02-097-42	Window Caulk	5 <sup>th</sup> Floor Exterior Front	Black Homogeneous NOB	68.8	27.7	3.4	0%	100%	NAD Inconclusive	NAD
15B 17-02-097-43	Window Caulk	5 <sup>th</sup> Floor Exterior Front	Black Homogeneous NOB	67.7	30.0	2.3	0%	100%	NAD Inconclusive	NAD
3D 17-02-097-44	Joint Compound	5 <sup>th</sup> Floor Hall – West	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
3E 17-02-097-45	Joint Compound	5 <sup>th</sup> Floor Hall - East	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
3F 17-02-097-46	Joint Compound	4 <sup>th</sup> Floor Hall – West	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
3G 17-02-097-47	Joint Compound	4 <sup>th</sup> Floor Hall - East	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
16A 17-02-097-48	12x12 white with blue Floor Tile	5 <sup>th</sup> Floor Hall	White Homogeneous NOB	11.8	83.0	5.2	0%	100%	NAD Inconclusive	NAD



14-26 28th Avenue

Long Island City, NY 11102

Tel.: (718) 482-7525 Fax: (718) 482-7524

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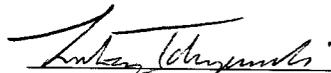
# BULK SAMPLE ANALYSIS REPORT

**CLIENT:** AKRF, 34 South Broadway, Suite 314, White Plains, NY 10601  
**BUILDING ADDRESS:** West 108<sup>th</sup> Street-Valley Lodge  
**PROJECT:** 22304

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
16B 17-02-097-49	12x12 white with blue Floor Tile	4 <sup>th</sup> Floor Hall	White Homogeneous NOB	11.0	85.8	3.2	0%	100%	NAD Inconclusive	NAD
17A 17-02-097-50	Yellow Mastic	5 <sup>th</sup> Floor Hall	Yellow Homogeneous NOB	15.8	81.0	3.2	0%	100%	NAD Inconclusive	NAD
17B 17-02-097-51	Yellow Mastic	4 <sup>th</sup> Floor Hall	Yellow Homogeneous NOB	11.3	83.7	5.0	0%	100%	NAD Inconclusive	NAD

Date Received: 2/23/17  
Date of PLM Analysis: 2/24/17  
Date of TEM Analysis: 2/24/17  
Date of Report: 2/27/17

PLM Analyst: L. Tchorzewski  
TEM Analyst: A. Ansari

Analyst:   
L. Tchorzewski

QC Review / Date: \_\_\_\_\_  
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1200608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. (November 1, 2016)

NYS-DOH ELAP # 11833

NVLAP Lab Code: 200691-0



17-0297

AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

### Bulk Sample Chain of Custody

Project Site: West 108<sup>th</sup> Street - Valley Lodge

Date: ~~2/15/17~~ 2/23/17 TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 1 of 3

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
1	A	Stone Mortar	Cellar	Exterior wall	
b	B	b	b		
	C	b	b		
2	A	Drywall		Elevator Machine Room	
b	B	b		Center Hall Ceiling	
	C	b		Supply Room	
3	A	Joint Compound		Elevator Machine Room	
b	B	b	b	Center Hall Ceiling	
	C	b	Cellar	Supply Room	
4	A	Pipe Insulation Sleeve	Cellar	Thruway	
b	B	b	b		
	C	b	b		
5	A	Block Mortar		Thruway	
b	B	b		b	
	C	b		b	
6	A	Concrete Slab		Interior wall	
	B	b	b	b	

Relinquished By: Greg Baird  
Signature:

Date: 2/23/17

Received By:   
Signature: Date: 2/23/17 1350

17-02-97



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - Valley Lodge

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Page 2 of 3

Project Number: 22304

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
6	C	Concrete Skin	Cellar	Interior walls	
7	A	12x12 Gray Floor Tile		Super Office	20x7
7	B	b			
8	A	Yellow Mortar			
8	B	b			
9	A	Gray Core Base		Hallway	
9	B	b			
10	A	Pipe Insulation - Hard Foam	Cellar	Boiler Room	10 LF
	B	b			b
	C				
11	A	Black Core Base	Cellar	Activity Room	
	B	b			
12	A	<del>12x12</del> white w/			20x18
12	B	Blue Floor Tile			
13	A	Concrete Skin	Cellar	Basement - Exterior	
	B	b			
	C				

Relinquished By: Greg Baird  
Signature: [Signature]

Date: 2/23/17

Received By: M  
Signature: [Signature] 2/23/17 Date: 13<sup>50</sup>

17-02-97



AKRF, Inc.  
34 South Broadway, White Plains, New York 10601  
(914) 949-7336 Fax (914) 949-7559

**Bulk Sample Chain of Custody**

Project Site: West 108<sup>th</sup> Street - Valley Lodge

Date: 2/15/17

TAT: 5 Day

Field Inspector: Baird

Project Number: 22304

Page 3 of 3

Comments: TEM all negative NOBs, Stop at first positive, [CGriffiths@akrf.com](mailto:CGriffiths@akrf.com) and [gbaird@akrf.com](mailto:gbaird@akrf.com)

Sample #	HA#	Material	Floor	Sample Area Description	Quantity & Condition/Friable
13	D	Concrete Skin	1st	Rear - Exterior	
13	E	↳	1st		
14	A	Window Caulk	Cellar	Exterior - Rear	
14	B	↳	1st	↳	
15	A	Window - Caulk	5th	Exterior - Front	
15	B	↳	↳	↳	
3	D	Joint Compound	5th	Hall - West	
3	E	↳	↳	Hall - East	
3	F	↳	4th	Hall - West	
3	G	↳	4th	Hall - East	
16	A	12x12 white w/ Blue	5th	Hall	
16	B	Flar Tile ↳	4th	↳	
17	A	Yellow Mortar	5th	↳	
17	B	↳	4th	↳	

Relinquished By: Greg Baird  
Signature: \_\_\_\_\_

Date: 2/23/17

Received By: [Signature]  
Signature: \_\_\_\_\_

Date: 2/23/17  
1350

**APPENDIX D**  
**ASBESTOS SKETCHES**

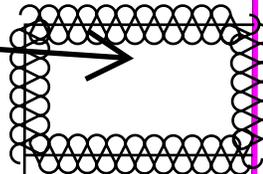
### APPROXIMATE LOCATIONS OF ASBESTOS-CONTAINING MATERIALS IN THE STUDY AREA



Yellow Tile Grout

26

Bathroom / Storage



Office



EAST 108<sup>th</sup> STREET



SCALE IN FEET

**First Floor**

#### LEGEND

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**103-107 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

**APPROXIMATE LOCATIONS OF  
ASBESTOS-CONTAINING MATERIALS IN  
THE STUDY AREA**



PACM - Transite Electrical Panel

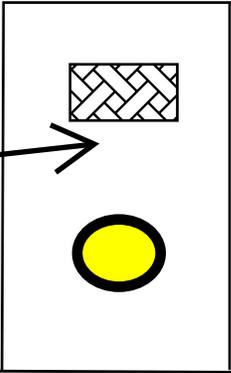


PACM - Elevator Brake Pads



26

Mechanical  
Room



EAST 108<sup>th</sup> STREET



**Roof - Mechanical  
Room**

**LEGEND**

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database

AKRF  
440 Park Avenue South, New York, NY 10016

<b>103-107 West 108<sup>th</sup> Avenue</b> New York, New York		DATE <b>3/16/2017</b>
<b>ASBESTOS-CONTAINING MATERIAL</b>		PROJECT NO. <b>170060</b>
		FIGURE <b>1</b>

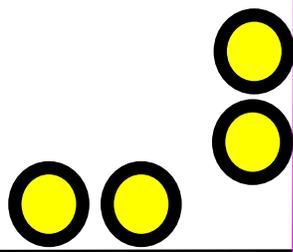
**APPROXIMATE LOCATIONS OF  
ASBESTOS-CONTAINING MATERIALS IN  
THE STUDY AREA**



PACM - Transite Electrical Panel



13



EAST 108<sup>th</sup> STREET

**LEGEND**

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE

**Cellar**



Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database

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 440 Park Avenue South, New York, NY 10016	<b>143 West 108<sup>th</sup> Avenue</b> New York, New York	DATE <b>3/16/2017</b>
	<b>ASBESTOS-CONTAINING MATERIAL</b>	PROJECT NO. <b>170060</b>
		FIGURE <b>1</b>

**APPROXIMATE LOCATIONS OF  
ASBESTOS-CONTAINING MATERIALS IN  
THE STUDY AREA**



Floor Tiles and Associated Mastic

13



Two Offices

EAST 108<sup>th</sup> STREET



**First Floor**

**LEGEND**

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database

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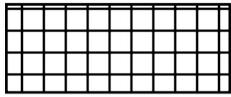
 440 Park Avenue South, New York, NY 10016	<b>143 West 108<sup>th</sup> Avenue</b> New York, New York	DATE <b>3/16/2017</b>
	<b>ASBESTOS-CONTAINING MATERIAL</b>	PROJECT NO. <b>170060</b>
		FIGURE <b>1</b>

last save: mveilleux 3/16/2017 7:46 AM

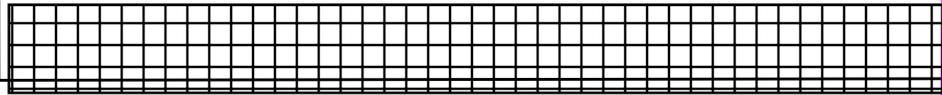
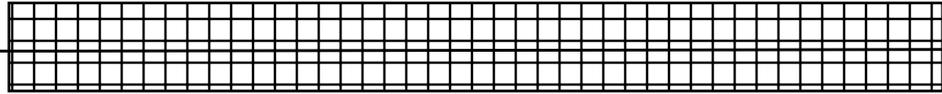
Lead four lots.CAD\170060 4 Lots.dwg



### APPROXIMATE LOCATIONS OF ASBESTOS-CONTAINING MATERIALS IN THE STUDY AREA



Exterior Window Caulk  
(All Windows)



EAST 108<sup>th</sup> STREET



SCALE IN FEET

### Second Thru Fifth Floor

#### LEGEND

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**143 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

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**APPROXIMATE LOCATIONS OF ASBESTOS-CONTAINING MATERIALS IN THE STUDY AREA**

—○—○—○— Pipe and Pipe Elbow Insulation

☁ Pipe Riser and Elbow Insulation



Room Flooded

5

EAST 108<sup>th</sup> STREET

**CELLAR**



**LEGEND**

- PROJECT SITE BOUNDARY
- LOT LINE
- BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**151-159 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

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# APPROXIMATE LOCATIONS OF ASBESTOS-CONTAINING MATERIALS IN THE STUDY AREA



Pipe Riser and Elbow Insulation



5

EAST 108<sup>th</sup> STREET



**First Floor**

### LEGEND

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**151-159 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

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**APPROXIMATE LOCATIONS OF  
ASBESTOS-CONTAINING MATERIALS IN  
THE STUDY AREA**



Pipe Riser and Elbow Insulation



5



EAST 108<sup>th</sup> STREET



**Second Floor**

**LEGEND**

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**151-159 West 108<sup>th</sup> Avenue**  
New York, New York

---

**ASBESTOS-CONTAINING MATERIAL**

DATE	<b>3/16/2017</b>
PROJECT NO.	<b>170060</b>
FIGURE	<b>1</b>

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**APPROXIMATE LOCATIONS OF  
ASBESTOS-CONTAINING MATERIALS IN  
THE STUDY AREA**



Pipe Riser and Elbow Insulation



5

EAST 108<sup>th</sup> STREET



SCALE IN FEET

**Third Floor**

**LEGEND**

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**151-159 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

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### APPROXIMATE LOCATIONS OF ASBESTOS-CONTAINING MATERIALS IN THE STUDY AREA

-  Pipe and Pipe Elbow Insulation
-  Pipe Riser and Elbow Insulation



5

Stairs

EAST 108<sup>th</sup> STREET



**Fourth Floor**

#### LEGEND

-  PROJECT SITE BOUNDARY
-  LOT LINE
-  BUILDING LINE

Map Source:  
NYCDCP (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

**151-159 West 108<sup>th</sup> Avenue**  
New York, New York

**ASBESTOS-CONTAINING MATERIAL**

DATE  
**3/16/2017**

PROJECT NO.  
**170060**

FIGURE  
**1**

**West 108<sup>th</sup> Street Development**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
NEW YORK, NEW YORK

---

**Remedial Action Plan**

AKRF Project Number: 170060  
OER Project Number: 16TMP0258Q  
NYC Voluntary Cleanup Number: 18CVCP017M

**Prepared for:**

New York City Office of Environmental Remediation  
100 Gold Street, 2<sup>nd</sup> Floor  
New York, New York 10038

**On Behalf of:**

West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

**Prepared by:**



AKRF, Inc.  
440 Park Avenue South, 7<sup>th</sup> Floor  
New York, NY 10016  
212-696-0670

---

**OCTOBER 2017**

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**LIST OF ACRONYMS**

<b>Acronym</b>	<b>Definition</b>
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CO	Certificate of Occupancy
CPC	City Planning Commission
DSNY	Department of Sanitation
“E”	E-Designation
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IDW	Investigation Derived Waste
NYC BSA	New York City Board of Standards and Appeals
NYC DCP	New York City Department of City Planning
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC HPD	New York City Housing Preservation and Development
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage

<b>Acronym</b>	<b>Definition</b>
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
P.E.	Professional Engineer
PID	Photo Ionization Detector
PM	Particulate Matter
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RA	Registered Architect
RAP	Remedial Action Plan
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
USGS	United States Geological Survey
UST	Underground Storage Tank
TAL	Target Analyte List
TCL	Target Compound List
ULURP	Uniform Land Use Review Procedure
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

**CERTIFICATION**

I, Michelle Lapin, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the West 108<sup>th</sup> Street Development, located at 103-107 and 143-159 West 108<sup>th</sup> Street, in Manhattan, New York, site number 18CVCP017M

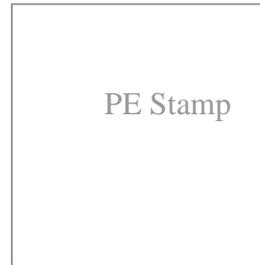
I certify that this Remedial Action Plan (RAP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State, and Federal laws and regulations. Importation of all soil, fill and other material from off-site will be in accordance with all applicable City, State, and Federal laws and requirements. This RAP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

\_\_\_\_\_  
Name

\_\_\_\_\_  
NYS PE License Number

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



## EXECUTIVE SUMMARY

West Side Federation for Senior and Supportive Housing (WSFSSH) has established this plan to remediate two development sites, collectively called West 108<sup>th</sup> Street Development, totaling 37,845-square feet located at 103-107 and 143-159 West 108<sup>th</sup> Street in New York, New York (the Site). A Subsurface (Phase II) Investigation was performed to compile and evaluate data and information necessary to develop this Remedial Action Plan (RAP). The remedial action described in this document achieves the remedial objectives, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

### Site Location and Current Usage

The Site is located in the Upper West Side of New York, New York and is identified as Block 1863, Lots 5, 10, 13, and 26 on the New York City Tax Map. The Site is shown on Figure 1 - Site Location map and Figure 2 - Site Plan. The Site is bordered by: West 108<sup>th</sup> Street, followed by the Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue to the east; mixed-use retail and residential, followed by Amsterdam Avenue to the west; and residential buildings, followed by West 109<sup>th</sup> Street to the north. The buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are currently utilized as multi-story parking garages, and 145-149 West 108<sup>th</sup> Street is utilized as an emergency senior citizen shelter.

### Summary of Proposed Redevelopment Plan

The Remedial Action to be performed under the RAP is intended to make the Site protective of human health and the environment consistent with the contemplated end use. The proposed redevelopment plan and end use described in this RAP provide the basis for this assessment. However, the Remedial Action contemplated under this RAP may be implemented independently of the proposed redevelopment plan.

The proposed redevelopment plan includes the demolition of the existing structures on the Site and construction of two new 11-story buildings (Buildings 1 and 2) and a rear yard at Building 1. Building 1 (143-159 West 108<sup>th</sup> Street) will contain approximately 80 income-restricted and 115 age-restricted apartments (combination of studios, one, two, and three bedrooms), 110 transitional beds, and 6,400-square feet of community facility space that will likely include a medical clinic serving residents and the community. Building 1 will include a full cellar. Building 2 (103-107 West 108<sup>th</sup> Street) will include approximately 82 income-restricted apartments for seniors. Building 2 will also include a partial cellar. Proposed redevelopment plans are presented in Appendix A.

### Summary of Environmental Findings

1. Surface topography generally slopes down to the east. Based on the U.S. Geological Survey Central Park Quadrangle, the Site lies at an elevation of approximately 90 to 105 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).

2. Groundwater flows in a generally easterly direction. Groundwater elevation ranges between 84 and 89 feet (North American Vertical Datum of 1988) at the Site.
3. The stratigraphy of the Site, from the ground surface down, consists of up to 7 feet of historic fill comprising sand, silt, brick, and concrete, underlain by native soil consisting of fine to medium sand, silt, followed by weathered bedrock.
4. Depth to apparent bedrock at the Site varies from approximately 5 to 18 feet below cellar grade.
5. Soil/fill samples collected during the RI were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (Track 1) and Restricted Residential Use Soil Cleanup Objectives (Track 2) as presented in 6NYCRR Part 375-6.8 and CP51. The laboratory analytical results from the soil samples collected during the investigation showed volatile organic compounds (VOCs) were detected in 12 of the 22 soil samples. VOCs including benzene (0.13 milligrams per kilogram (mg/kg)), m,p-xylene (0.41 mg/kg), toluene (0.7 mg/kg) exceeded their Unrestricted Use SCOs. No VOCs were detected at concentrations exceeding the Restricted Residential SCOs.

SVOCs including benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene (3.1 mg/kg), dibenz(a,h)anthracene (0.63 mg/kg), and indeno(1,2,3-c,3)pyrene (2.5 mg/kg). Chrysene (2.3 mg/kg) and benzo(k)fluoranthene (1.1 mg/kg) were detected in soil sample W108-SB-5(0-2) above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were detected at concentrations below both the USCOs and RRSCOs.

Several metals were identified and of those, arsenic (max of 18.5 mg/kg), barium (max of 421 mg/kg), copper (max of 88.5 mg/kg), cadmium (max of 6.3 mg/kg), hexavalent chromium (1.9 mg/kg), lead (max. of 1,990 mg/kg), mercury (max. of 0.46 mg/kg), nickel (max. of 38.7 mg/kg), and zinc (max. of 679 mg/kg), exceeded their respective Unrestricted Use SCOs. Arsenic, barium, cadmium and lead also exceeded their respective Restricted Residential Use SCOs.

Up to four pesticides were detected in four of the 22 soil samples. Dieldrin (0.0088 mg/kg), 4,4-DDT (maximum of 0.019 mg/kg), 4,4'-DDD (maximum of 0.0051 mg/kg), 4,4-DDE (at 0.0052 mg/kg) exceeded their respective Unrestricted Use SCOs in 4 of 22 soil samples.

6. Groundwater samples collected during the RI were compared to New York State 6NYCRR Part 703.5 Ambient Water Quality Standard (AWQS). The results of the groundwater sampling showed that one VOC, isopropylbenzene, was detected in W108-MW-4 at a concentration of 17 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the AWQS of 5  $\mu\text{g/L}$ . No other VOCs were detected at concentrations exceeding AWQS.

Seven SVOCs including bis(2-ethylhexyl)phthalate, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, were detected above their respective AWQS.

Several metals were identified and of those, manganese, magnesium and sodium were detected above their AWQS in dissolved groundwater samples.

- No PCBs or Pesticides were detected in the groundwater samples.
7. Soil vapor samples collected during the RI were compared to the compounds listed in Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 and as revised in May 2017. The results of the soil vapor sampling showed up to 27 VOCs (petroleum related and chlorinated) were detected in the eight samples. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to 1,400  $\mu\text{g}/\text{m}^3$ . Other solvent-related VOCs [including acetone, chloroform, and methyl ethyl ketone (MEK)] were detected at concentrations up to 73  $\mu\text{g}/\text{m}^3$ . Chlorinated compound, Tetrachloroethene (PCE) was detected in six of the eight soil vapor samples at concentrations of 2.3 to 29 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). TCE was not detected in any of the soil vapor samples. Low level VOC concentrations were also noted in the ambient air sample. Concentrations of PCE are below the NYSDOH guidance matrix for monitoring. No VOCs were detected above the air guideline values (AGVs) established by the New York State Department of Health (NYSDOH).
  8. The investigation findings identified the presence of petroleum contamination, in both the western (151-159 West 108<sup>th</sup> Street) and eastern (103-107 West 108<sup>th</sup> Street) portions of the Site likely attributed to former on-site uses. New York State Department of Environmental Conservation (NYSDEC) assigned Spill Number 1603624 to 151-159 West 108<sup>th</sup> Street and Spill Number 1603667 to 103-107 West 108<sup>th</sup> Street. While elevated PID readings were observed in the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed, such as staining, odors, or elevated VOC and SVOC analytical results.

### Summary of the Remedy

The proposed remedial action achieves all of the remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry.

The proposed remedial action will include the following:

1. A Supplemental Subsurface Investigation will be conducted upon demolition of the Site buildings to delineate petroleum contamination associated with New York State Department of Environmental Conservation (NYSDEC) Spill Numbers 1603624 and 1603667. A Supplemental Phase II Environmental Site Investigation Work Plan (approved by NYSDEC and OER) is provided as Appendix B.
2. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

3. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
4. Establishment of Site-Specific Soil Cleanup Objectives (SSSCOs) for contaminants of concern.
5. Completion of a Waste Characterization Study prior to excavation activities. Waste characterization soil samples will be collected at a frequency dictated by disposal facility(s).
6. Performance of a Community Air Monitoring Program (CAMP) for particulates and volatile organic compounds (VOCs) compounds.
7. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
8. Excavation and off-site disposal of soil/fill exceeding SSSCOs. Portions of the Site will be excavated from grade to bedrock (varies from approximately 2 to 8 ft. below grade). The total quantity of soil/fill expected to be excavated and disposed off-site is approximately 4,500 cubic yards (6,750 tons).
9. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID).
10. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
11. Removal of underground storage tanks (USTs) in compliance with applicable local, State, and Federal laws and regulations.
12. Performance of a remedial action for the petroleum spill numbers, 1603624 and 1603667 under the NYSDEC Spill program. A separate RAWP addendum may be required by NYSDEC for spill closure.
13. Transportation and off-site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.
14. Collection and analysis of 11 end-point samples to determine the performance of the remedy with respect to attainment of SCOs. End point samples for tank removal and spill remediation will be conducted per NYSDEC guidance contained in DER-10.
15. Construction and maintenance of an engineered composite cover at each building consisting of six inches of concrete building foundation slabs/walls and a two foot clean soil cap in any landscaped areas to prevent human exposure to residual soil/fill remaining under the Site.
16. Submission of a Remedial Action Report (RAR), that describes the remedial activities, that certifies that the remedial requirements have been achieved, and

- describes all Engineering Controls and Institutional Controls (ECs/ICs) to be implemented at the Site, and lists any deviations from this RAP.
17. Installation of a vapor barrier system beneath the buildings' slab and along foundation sidewalls to prevent soil vapor migration into the building. The vapor barrier system will consist of the Stego Wrap<sup>®</sup> 20-mil vapor barrier or an OER-approved equivalent. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The vapor barrier system is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.
  18. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
  19. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
  20. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

## COMMUNITY PROTECTION STATEMENT

The NYC Office of Environmental Remediation (OER) provides governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan (“cleanup plan”) describes the findings of prior environmental studies, shows the location of identified contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

### **Project Information:**

- Site Name: West 108<sup>th</sup> Street Development
- Site Address: 103-107 and 143-159 West 108<sup>th</sup> Street
- OER Project Number(s): 16TMP0258Q

### **Project Contacts:**

- OER Project Manager: Taylor Hard, 212-788-8841
- Site Project Manager: Deborah Shapiro, 646-388-9544
- Site Safety Officer: Elizabeth Matamoros, 914-922-2397
- Online Document Repository:  
<http://www.nyc.gov/html/oer/html/repository/RManhattan.shtml>

**Remedial Investigation and Cleanup Plan:**

Under the oversight of the NYC OER, a thorough study of this Site (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and to identify contaminant sources present on the Site. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this Site.

**Identification of Sensitive Land Uses:**

Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

**Qualitative Human Health Exposure Assessment:**

An important part of the cleanup planning for the Site is a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

**Health and Safety Plan:**

This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this RAWP are in compliance with applicable safety requirements of the United States Occupational Safety and Health Administration (OSHA). This RAWP includes many protective elements including those discussed below.

**Site Safety Coordinator:**

This project has a designated Site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is identified at the beginning of this Community Protection Statement.

**Worker Training:**

Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

**Community Air Monitoring Plan:**

Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

**Odor, Dust and Noise Control:**

This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with applicable NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager or NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document.

**Quality Assurance:**

This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

**Stormwater Management:**

To limit the potential for soil erosion and discharge, this cleanup plan has provisions for stormwater management. The main elements of the stormwater management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

**Hours of Operation:**

The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation will conform to requirements of the NYC Department of Buildings.

**Signage:**

While the cleanup is in progress, a placard will be prominently posted at the main entrance of the Site with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program and provides project contact names and numbers, and a link to the document repository where project documents can be viewed.

**Complaint Management:**

The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager or the NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

**Utility Mark-outs:**

To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

**Soil and Liquid Disposal:**

All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations, and required permits will be obtained.

**Soil Chemical Testing and Screening:**

All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

**Stockpile Management:**

Soil stockpiles will be kept covered with tarps to prevent dust, odor and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed, to protect storm water catch basins and other discharge points.

**Trucks and Covers:**

Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with applicable laws and regulations.

**Imported Material:**

All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on the Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

**Equipment Decontamination:**

All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the Site before leaving.

**Housekeeping:**

Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

**Truck Routing:**

Truck routes have been selected to: (a) limit transport through residential areas and nearby sensitive properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the Site. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

**Final Report:**

The results of all cleanup work will be fully documented in a final report (called the Remedial Action Report) that will be available for public review online. A link to the online document repository and the public library with Internet access nearest the Site are listed on the first page of this Community Protection Statement document

**Long-Term Site Management:**

If long-term protection is needed after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined either in the property's deed or established through a city environmental designation registered with the Department of Buildings. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

## REMEDIAL ACTION PLAN

### 1.0 SITE BACKGROUND

This Remedial Action Plan (RAP) and site-specific Construction Health and Safety Plan (CHASP) have been developed for two development sites, collectively called the West 108<sup>th</sup> Street Development located at 103-107 and 143-159 West 108<sup>th</sup> Street in the Upper West Side of New York, New York (the Site). This project has been assigned project number 16TMP0258Q by the New York City (NYC) Office of Environmental Remediation (OER). This RAP describes the remediation and/or mitigation activities to be implemented at the Site in coordination with OER to facilitate enrollment into the OER Volunteer Cleanup Program (VCP). The site-specific CHASP (Appendix C) addresses site-specific hazards, identified contaminants of concern and safety requirements associated with remediation and mitigation activities in accordance with American Society for Testing and Materials (ASTM) and Occupational Safety and Health Administration (OSHA) guidelines.

#### 1.1 Site Location and Current Usage

The Site is located in the Upper West Side of New York, New York and is identified as Block 1863, Lots 5, 10, 13, and 26 on the New York City Tax Map. Figure 1 is a Site location map and Figure 2 is the Site Plan. The buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are currently utilized as multi-story parking garages, and 145-149 West 108<sup>th</sup> Street is utilized as an emergency senior citizen shelter.

#### 1.2 Proposed Redevelopment Plan

The Remedial Action to be performed under the RAP is intended to make the Site protective of human health and the environment consistent with the contemplated end use. The proposed redevelopment plan and end use described in this RAP provide the basis for this assessment. However, the Remedial Action contemplated under this RAP may be implemented independently of the proposed redevelopment plan.

The proposed redevelopment plan includes the demolition of the existing structures on the Site and construction of two new 11-story buildings (Buildings 1 and 2) and a rear yard at Building 1. Building 1 (143-159 West 108<sup>th</sup> Street) will contain approximately 80 income-restricted and 115 age-restricted apartments (combination of studios, one, two, and three bedrooms), 110 transitional beds, and 6,400-square feet of community facility space that will likely include a medical clinic serving residents and the community. Building 1 will include a full cellar. Building 2 (103-107 West 108<sup>th</sup> Street) will include approximately 82 income-restricted apartments for seniors. Building 2 will also include a partial cellar. Proposed redevelopment plans are presented in Appendix A.

#### 1.3 Description of Surrounding Property

The Site is bordered by: West 108<sup>th</sup> Street, followed by Booker T Washington Junior High School and a Time Warner Cable garage to the south; residential and commercial buildings, followed by Columbus Avenue to the east; mixed-use retail and residential, followed by Amsterdam Avenue to the west; and residential buildings, followed by West 109<sup>th</sup> Street to the north. A public park is located between the 103 West 108<sup>th</sup> Street and

143 West 108<sup>th</sup> Street portions of the Site. The greater surrounding area is predominantly commercial and residential, with numerous new commercial and/or residential buildings under construction. Figure 3 shows the surrounding land usage.

## **1.4 Site Investigation**

A Site Investigation was performed and the results are documented in a companion document called “*Phase II Environmental Site Investigation Report, 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY,*” dated September 2016, revised January 2017 (SIR). The following activities were performed as part of the investigation.

### **1.4.1 Summary of Past Uses of Site and Areas of Concern**

Based on a Phase I Environmental Site Assessment (ESA) conducted by AKRF in October 2015, the Site was occupied prior to 1902 by dwellings at 143-159 West 108<sup>th</sup> Street, and a paints and storage building at 103-107 West 108<sup>th</sup> Street. The historical buildings were demolished at various times between 1902 and 1920, with the exception of the building at 145 West 108<sup>th</sup> Street, which was demolished around 1980. The current buildings were constructed by 1951.

Additional historic uses of the Site included an automobile repair facility at 103-107 West 108<sup>th</sup> Street from approximately 1979 to 2005 and a Cadillac Service Station at 143 West 108<sup>th</sup> Street in 1951. It is also possible that vehicle maintenance activities were conducted at 151-159 West 108<sup>th</sup> Street since its construction in 1925. Petroleum storage tanks were identified on historic maps at three of the four lots: two gasoline storage tanks at 103-107 West 108<sup>th</sup> Street in 1951, three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005, and four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005.

The following were considered Areas of Concern (AOCs) for the Phase II Site Investigation:

1. Underground storage tanks (USTs) identified on historic maps and aboveground storage tanks (ASTs) observed during reconnaissance;
2. A sump with an unconfirmed discharge point, hydraulic lifts, additional tanks beneath the cellar floor, and/or where the vehicle maintenance may have been performed;
3. Potential undocumented discharge(s) of chemical and/or material storage;
4. Activities from the surrounding area that historically included factories, Consolidated Edison Substations, auto repair, and garages with gasoline USTs that may have impacted the Site subsurface; and
5. Historic fill associated with potential buried debris from former on-Site structures.

### **1.4.2 Summary of the Work Performed Under the Site Investigation**

AKRF performed the following scope of work at the Site in July 2016:

- Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
- Conducted a geophysical survey and utility mark-outs;
- Advanced 17 soil borings throughout the Site and collected 22 soil samples from the borings for chemical analysis;
- Installed eight temporary soil vapor monitoring points throughout the Site and collected eight soil vapor samples from the points and an ambient air sample for chemical analysis; and
- Installed three permanent groundwater monitoring wells in the cellars throughout the Site and collected a groundwater sample from each well for chemical analysis.

### 1.4.3 Summary of Environmental Findings

1. Surface topography generally slopes down to the east. Based on the U.S. Geological Survey Central Park Quadrangle, the Site lies at an elevation of approximately 90 to 105 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level).
2. Groundwater flows in a generally easterly direction. Groundwater elevation ranges between 84 and 89 feet (North American Vertical Datum of 1988) at the Site.
3. The stratigraphy of the Site, from the ground surface down, consists of up to 7 feet of historic fill comprising sand, silt, brick, and concrete, underlain by native soil consisting of fine to medium sand, silt, followed by weathered bedrock.
4. Depth to apparent bedrock at the Site varies from approximately 5 to 18 feet below cellar grade.
5. Soil/fill samples collected during the RI were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (Track 1) and Restricted Residential Use Soil Cleanup Objectives (Track 2) as presented in 6NYCRR Part 375-6.8 and CP-51. The laboratory analytical results from the soil samples collected during the investigation showed volatile organic compounds (VOCs) were detected in 12 of the 22 soil samples, including two blind duplicates, two trip blanks and the two associated aqueous field blanks. The VOCs 1,2-dichlorobenzene, 1,2-dichloroethane, acetone, carbon disulfide, cyclohexane, ethylbenzene, isopropylbenzene, and o-xylene were detected in one or more of the soil samples. Benzene was detected at an estimated concentration of 0.13 milligrams per kilogram (mg/kg) in soil sample W108-SB-2(0-2), which is slightly above its Unrestricted Soil Cleanup Objective (USCO) of 0.06 mg/kg, but below its Restricted Residential Soil Cleanup Objective (RRSCO) of 4.8 mg/kg. M,p-xylene was detected in two soil samples at concentrations of 0.41 mg/kg in W108-SB-2(0-2) and 0.35 mg/kg in W108-SB-2(3-4), slightly

above its USCO of 0.26 mg/kg but well below its RRSCO of 100 mg/kg. Toluene exceeded its USCO of 0.7 mg/kg in W108-SB-2(0-2), at a concentration of 1.5 mg/kg, but was well below its RRSCO of 100 mg/kg. No VOCs were detected at concentrations exceeding the RRSCOs.

Up to 18 semi-volatile organic compounds (SVOCs) were detected in all 22 soil samples with a maximum total SVOC concentration of 28 mg/kg in W108-SB-5 (0-2), located in the garden area adjacent to 145-149 West 108<sup>th</sup> Street. SVOCs exceeding USCOs and RRSCOs were detected in soil sample W108-SB-5(0-2), including benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene (3.1 mg/kg), dibenz(a,h)anthracene (0.63 mg/kg), and indeno(1,2,3-c,3)pyrene (2.5 mg/kg). Chrysene (2.3 mg/kg) and benzo(k)fluoranthene (1.1 mg/kg) were detected in soil sample W108-SB-5(0-2) above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were detected at concentrations below both the USCOs and RRSCOs.

A review of the analytical results indicates that up to 22 of the 23 target analyte list (TAL) metals analyzed were detected in all 22 soil samples analyzed. Nine metals, including arsenic (max of 18.5 mg/kg), barium (max of 421 mg/kg), copper (max of 88.5 mg/kg), cadmium (max of 6.3 mg/kg), hexavalent chromium (1.9 mg/kg in W108-SB-12 (0-2)), lead (max. of 1,990 mg/kg), mercury (max. of 0.46 mg/kg), nickel (max. of 38.7 mg/kg), and zinc (max. of 679 mg/kg), exceeded their respective USCOs. Concentrations of metals exceeding RRSCOs included arsenic in W108-SB-1(5-7) at a concentration of 18.5 mg/kg (the RRSCO is 16 mg/kg); barium in W108-SB-5(0-2) at a concentration of 421 mg/kg (RRSCO is 400 mg/kg); cadmium in W108-SB-12(0-2) at a concentration of 6.3 mg/kg (RRSCO is 4.3 mg/kg); and lead in W108-SB-5(0-2) and W108-SB-12(0-2) at concentrations of 456 mg/kg and 1,990 mg/kg (RRSCO is 400 mg/kg), respectively.

Up to four pesticides were detected in four of the 22 soil samples. Dieldrin exceeded the USCO in W108-SB-5(0-2) at an estimated concentration of 0.0088 mg/kg (USCO is 0.005 mg/kg). P,P'-DDT exceeded its USCO in three samples [W108-SB-5(0-2), W108-SB-5(8-10), W108-SB-12(0-2)] with a maximum concentration of 0.019 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDD exceeded its USCO in three samples [W108-SB-1(0-2), W108-SB-5(0-2), W108-SB-12(0-2)] with a maximum estimated concentration of 0.0051 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDE exceeded its USCO with an estimated concentration of 0.0052 mg/kg (USCO is 0.0033 mg/kg) in W108-SB-5 (0-2). No pesticides exceeded their respective RRSCOs in any samples. There was one polychlorinated biphenyl (PCB) detected, Aroclor 1260, at an estimated concentration of 0.057 mg/kg in W108-12(0-2), which was below the USCO and RRSCO for total PCBs. Soil concentrations above USCOs and/or RRSCOs are shown on Figure 4.

6. The results of the groundwater sampling showed that one VOC, isopropylbenzene, was detected in W108-MW-4 at a concentration of 17 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the Ambient Water Quality Standard (AWQS) of 5  $\mu\text{g/L}$ . The results of the groundwater sampling indicated no other VOCs were detected at concentrations exceeding AWQS.

Six SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, were detected at estimated concentrations of 0.10  $\mu\text{g/L}$ , 0.069  $\mu\text{g/L}$ , 0.20  $\mu\text{g/L}$ , 0.74  $\mu\text{g/L}$ , 0.11J  $\mu\text{g/L}$ , and 0.079  $\mu\text{g/L}$ , respectively, above their respective AWQS in groundwater sample W108-MW-6 located in the cellar of 145-149 West 108<sup>th</sup> Street. Bis(2-ethylhexyl)phthalate was detected at estimated concentrations of 17  $\mu\text{g/L}$ , 7.6  $\mu\text{g/L}$ , and 14  $\mu\text{g/L}$  in W108-MW-4, W108-MW-6, and W108-MW-8, respectively, which exceeded its AWQS of 5  $\mu\text{g/L}$ . Chrysene was detected in W108-MW-8 at a concentration of 0.037  $\mu\text{g/L}$ , which exceeds the AWQS of 0.002  $\mu\text{g/L}$ .

The metals manganese and sodium were detected above the AWQS in all three dissolved samples. Magnesium was also detected above the AWQS in dissolved sample W108-MW-8. These metals are typical of groundwater quality in Manhattan.

No PCBs or Pesticides were detected in the groundwater samples.

Groundwater concentrations above NYSDEC AWQS are shown on Figure 5.

7. Soil vapor samples collected during the RI were compared to the compounds listed in Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 and as revised in May 2017. The results of the soil vapor sampling showed up to 27 VOCs were detected in the eight samples. No VOCs were detected above the air guideline values (AGVs) established by the New York State Department of Health (NYSDOH). Tetrachloroethene (PCE) was detected in six of the eight soil vapor samples at concentrations of 2.3 to 29 micrograms per cubic meter ( $\mu\text{g/m}^3$ ), below the AGV of 30  $\mu\text{g/m}^3$ . TCE was not detected in any of the soil vapor samples. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to 1,400  $\mu\text{g/m}^3$ . Other solvent-related VOCs [including acetone, chloroform, and methyl ethyl ketone (MEK)] were detected at concentrations up to 73  $\mu\text{g/m}^3$ . Low level VOC concentrations were also noted in the ambient air sample.

Soil vapor and ambient air detections are shown on Figure 6.

8. The investigation findings identified the presence of petroleum contamination, in both the western (151-159 West 108<sup>th</sup> Street) and eastern (103-107 West 108<sup>th</sup> Street) portions of the Site likely attributed to former on-site uses. As petroleum stained soil and photoionization detector (PID) readings were observed, the New York State Department of Environmental Conservation (NYSDEC) was notified and Spill Numbers 1603624 and 1603667 were assigned to 151-159 West 108<sup>th</sup> Street and 103-107 West 108<sup>th</sup> Street, respectively. While elevated PID readings were observed in the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed, such as staining, odors, or elevated VOC and SVOC analytical results.

For more detailed results, consult the SIR (Site Investigation Report).

## 2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the Phase II Site Investigation, the following Remedial Action Objectives (RAOs) have been identified for this Site:

### (a) Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater contamination.

### (b) Groundwater

- Remove contaminant sources causing impact to groundwater.
- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

### (c) Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

Remedial and mitigation measures described herein will be performed in accordance with applicable laws and regulations, and the site-specific CHASP. This remedy is protective of public health and/or the environment for the intended use.

### 3.0 DESCRIPTION OF REMEDIAL ACTION PLAN

#### 3.1 Evaluation of Remedial Alternatives

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the Site. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria and guidance values (SCGs). A remedy is then developed based on the following nine criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, and/or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance; and
- Land use.

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (including a Track 1 scenario) were evaluated, as follows:

##### **Alternative 1:**

- Selection of NYSDEC 6NYCRR Part 375 USCOs (Track 1) Soil Cleanup Objectives (SCOs);
- Removal of all soil/fill exceeding Track 1 USCOs throughout the Site. Based on the results of the Phase II Site Investigation, it is expected that this alternative would require excavation of all material across the entire Site to bedrock (approximately 5 to 18 feet below cellar grade), including any petroleum storage tanks, fill ports, and vent lines. If soil is not excavated to bedrock and remains in place, post-excavation endpoint samples would be collected to confirm achievement of Track 1 SCOs.
- The RAO for soil vapor will be achieved through source removal. The project will also include installation of a vapor barrier beneath the cellar foundation and behind foundation sidewalls of the new building as part of new development and will act as an additional protective measure.
- Groundwater RAOs will be achieved through source removal.

##### **Alternative 2:**

- Establishment of Track 4 Site-Specific SCOs (SSSCOs);
- Removal of all soil/fill exceeding Track 4 SSSCOs including all petroleum-contaminated soil across the Site. Based on the results of the Phase II Site Investigation, this alternative would be achieved by excavating soil/fill to the proposed development excavation depth (approximately 3 feet below the current buildings' foundation) across the Site with additional excavation in areas where petroleum contaminated soil is present, petroleum storage tanks, and associated fill ports and vent pipes, where encountered.
- Installation of a vapor barrier beneath the cellar foundation and behind foundation sidewalls of the new building, as an Engineering Control (EC), to prevent potential exposures from soil vapor.
- Placement of a cover system over the entire Site, as an EC, to prevent exposure to remaining soil/fill. The cover system will consist of the buildings' concrete slabs and a clean soil cap with a minimum of 2 feet for the landscaped areas located in the rear of the buildings.
- Placement of a deed notice to record the ECs/ICs on the deed to ensure that future owners of the Site continue to comply with the SMP, as required.
- Establishment of use restrictions including prohibitions on the use of groundwater from the Site; prohibitions of sensitive Site uses, such as in-ground farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval.
- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these Engineering Controls and Institutional Controls (ECs/ICs) including the performance of periodic inspections and certification that the controls are performing as they were intended.

### 3.2 Balancing Criteria

#### 3.2.1 Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil by removing all soil above Track 1 USCOS including closure of Spill Numbers 1603624 and 1603667.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil by removing all soil above Track 4 SSSCOs and closure of Spill Numbers 1603624 and 1603667.

Health and safety measures contained in the CHASP (Appendix C) will be implemented during excavation activities to ensure protection of workers and the public. For both alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of

contaminated material would be in compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to Site-related contaminants.

### **3.2.2 Short-term Effectiveness and Impacts**

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until RAOs are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until RAOs are achieved, and protection of workers during remedial actions.

Both Alternatives 1 and 2 have similar short-term effectiveness during their respective implementations, as each requires excavation of soil. Both alternatives would result in short-term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. Short-term impacts could potentially be higher for Alternative 1 if excavation of greater amounts of soil is encountered below the excavation depth of the proposed buildings and landscaped areas. However, focused attention to means and methods during the remedial action during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities.

An additional short-term adverse impact and risk to the community associated with both remedial alternatives is increased truck traffic. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flag persons will be used to protect pedestrians at Site entrances and exits. Truck traffic would be greater for Alternative 1 than for Alternative 2 due to the greater amount of soil that would be excavated and disposed of off-site.

The effects of these potential adverse impacts to the community, workers and the environment would be minimized through implementation of corresponding control plans including a CHASP, a Community Air Monitoring Plan (CAMP) and a Soil/Materials Management Plan (SMMP), during all on-site soil disturbance activities and would minimize the release of contaminants into the environment. Both alternatives provide short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-site contaminants. Construction workers operating under appropriate management procedures and a CHASP would be protected from on-site contaminants [personal protective equipment (PPE) would be worn consistent with the documented risks within the respective work zones].

### **3.2.3 Long-term Effectiveness and Permanence**

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the

remedial alternative, magnitude of remaining contamination, and adequacy of controls to manage contaminant residuals that may remain at the Site.

Alternative 1 would achieve long-term effectiveness and permanence related to on-Site contamination by permanently removing all impacted soil/fill above Track 1 USCOS and removal of all fill ports, USTs, lifts, and associated piping.

Alternative 2 would provide long-term effectiveness by removing all USTs, fill ports, associated piping, and all associated petroleum-contaminated soil plus any soil/fill above Track 4 SSSCOs. To prevent exposure to any residual contamination, a vapor barrier and cover system would be installed across the Site, and use restrictions would be maintained.

Both alternatives would result in removal of soil contamination exceeding their respective SCOs, providing the highest level, most effective and permanent remedy over the long-term with respect to a remedy for contaminated soil, which will eliminate any migration to groundwater. Potential sources of groundwater contamination will also be eliminated as part of the remedy. In addition, petroleum Spill Numbers 1603624 and 1603667 would be closed.

#### **3.2.4 Reduction of Toxicity, Mobility, or Volume of Contaminated Material**

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 will permanently eliminate the toxicity, mobility, and volume of contaminants from on-site soil by removing all soil in excess of Track 1 USCOS and removal of all USTs, fill ports, and associated piping.

Alternative 2 would remove all USTs, fill ports, associated piping, and any associated petroleum contaminated soil plus any soil/fill above the Track 4 SSSCOs.

Based on the anticipated excavation depth for Alternative 2, Alternative 1 would remove a greater total mass of contaminants from the Site.

#### **3.2.5 Implementability**

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The techniques, materials and equipment to implement both remedial Alternatives 1 and 2 are readily available and have been proven effective in remediating the contaminants associated with the Site. They use standard materials and services that are well established. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

### **3.2.6 Cost Effectiveness**

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since it is anticipated that soil/fill would need to be excavated to bedrock to meet the Track 1 SCOs, the costs associated with Alternative 1 would be higher than Alternative 2. Additional costs would include installation of additional shoring/underpinning, disposal of additional soil, end point sampling (if necessary), and import of clean soil for backfill. However, long-term operation and maintenance costs for Alternative 2 are likely higher than Alternative 1 based on implementation of a SMP as part of Alternative 2.

The remedial plan creates an approach that combines the remedial action with the redevelopment of the Site, including the construction of the building foundation and subgrade structures. The remedial plan is also cost effective in that it will take into consideration the selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during the excavation of historic fill and other soils during the redevelopment of the Site.

### **3.2.7 Community Acceptance**

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAP.

It is our understanding that community input on the proposed project has been received at local community board meetings. Based on the overall goals of the remedial program, it not anticipated that the community will oppose the proposed remedy; however, the community may express adverse opinions to the proposed development. As this RAP is subject to public review under the NYC VCP, the public will be provided the opportunity to provide input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix D.

### **3.2.8 Land Use**

This evaluation criterion addresses the proposed use of the Site. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity

Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the Site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the Site, proximity to flood plains, geography and geology; and current ICs applicable to the Site.

The current, intended, and reasonably anticipated future land use of the Site and its surroundings are compatible with the selected remedy. The proposed future use of the Site includes community and residential uses. Proposed development plans are presented in Appendix A.

Following remediation for Alternative 2, the Site will meet the Track 4 SSSCOs, which are appropriate for its planned residential use and both NYSDEC Spill Numbers 1603624 and 1603667 will be closed. Following remediation for Alternative 1, the Site will meet the Track 1 USCOs, which are appropriate for its planned residential use, and for any future use at the Site. The reasonably anticipated future use of the Site and its surroundings will be documented by the applicant in the NYC VCP application, and will include the following:

The proposed redevelopment of the Site is not compatible with its current zoning; however, the Site is currently undergoing a rezoning action under NYC's Uniform Land Use Review Procedure (ULURP). ULURP approval will be received prior to start of development construction. The surrounding area is developed primarily with residential and commercial properties. The proposed development would create much needed affordable and senior housing, new employment opportunities, living space, and economic and fiscal benefits to the City and State in the form of economic revitalization and tax revenue.

For both Alternatives 1 and 2, temporary short-term project impacts are being mitigated through implementation of a HASP/CAMP and nuisance controls and truck traffic controls during remedial activities.

The Site is not in close proximity to important cultural resources, including Federal or State historic or heritage sites or Native American religious sites, natural resources, waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species, but is located across the street from Booker T Washington Middle School (M.S. 54M). Building 1 is across from school fields and the school building is located across West 108<sup>th</sup> Street from Building 2. The Site is located in an urban area with limited proximity to fish or wildlife. Both alternatives would prevent any potential exposure pathways of contaminant migration affecting sensitive receptors or fish or wildlife. Municipal water supply wells are not present in this part of City; therefore, groundwater from the Site cannot affect municipal water supply wells or recharge areas. The Site does not lie in a Federal Emergency Management Agency (FEMA)-designated flood plain.

Both alternatives are equally protective of natural resources and cultural resources.

Improvements in the current environmental condition of the Site achieved by both alternatives are also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse.

### 3.2.9 Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

While Alternative 2 would potentially result in lower energy usage based on reducing the volume of material transported off-site, both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. The remedial plan would take into consideration the shortest trucking routes during off-site disposal of historic fill and other soils, which would reduce greenhouse gas emissions and conserve energy used to fuel trucks. The New York City Clean Soil Bank program may be utilized for import of native soil. To the extent practicable, energy efficient building materials, appliances, and equipment will be utilized to complete the development. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix E.

### 3.3 Selection of the Preferred Remedy

The preferred remedy for the Site is Alternative 2, Track 4 SSSCOs. Since new development requires excavation to the new cellar grade (8 feet below sidewalk surface, 0 to 5 feet below current cellar depth as shown on Figure 7), a Track 1 Alternative is not feasible without additional excavation to bedrock (up to 20 feet below sidewalk grade).

The Alternative 2 remedy will remove all tanks, lines, fill ports, and any associated petroleum contaminated soil encountered, closure of Spill Numbers 1603624 and 1603667, and all soil/fill exceeding Track 4 SSSCOs throughout the Site, which will be confirmed with post-excavation sampling where soil is left in place. If soil/fill containing analytes at concentrations above Track 4 SSSCOs is still present at the base or walls of the excavation after removal of all soil required for construction of the new buildings' cellar level and slab are complete, additional excavation would be performed to the extent feasible to ensure complete removal of soil/ fill that does not meet Track 4 SSSCOs.

ECs will also be implemented under the Alternative 2 remedy. A composite cover system including concrete slabs, foundation walls, vapor barrier membrane beneath the entire

building footprints, and a two-foot clean soil cap in the rear landscaped areas would be installed throughout the Site.

ICs will be imposed on the Site (including prohibitions on any use higher than Restricted Residential, e.g. the use of groundwater from the Site; prohibitions of restricted Site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval). Deed restrictions will be placed on the Site.

### **3.4 Summary of Preferred Remedial Action**

The proposed remedial plan achieves all of the remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry.

The proposed remedial action will include the following:

1. A Supplemental Subsurface Investigation will be conducted upon demolition of the Site buildings to delineate petroleum contamination associated with New York State Department of Environmental Conservation (NYSDEC) Spill Numbers 1603624 and 1603667. A Supplemental Phase II Environmental Site Investigation Work Plan (approved by NYSDEC and OER) is provided as Appendix B.
2. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
3. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
4. Establishment of Site-Specific Soil Cleanup Objectives (SSSCOs) for contaminants of concern.
5. Completion of a Waste Characterization Study prior to excavation activities. Waste characterization soil samples will be collected at a frequency dictated by disposal facility(s).
6. Performance of a Community Air Monitoring Program (CAMP) for particulates and volatile organic compounds (VOCs) compounds.
7. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
8. Excavation and off-site disposal of soil/fill exceeding SSSCOs. Portions of the Site will be excavated from grade to bedrock (varies from approximately 2 to 8 ft. below grade). The total quantity of soil/fill expected to be excavated and disposed off-site is approximately 4,500 cubic yards (6,750 tons).
9. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID).

10. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
11. Removal of underground storage tanks (USTs) in compliance with applicable local, State, and Federal laws and regulations.
12. Performance of a remedial action for the petroleum spill numbers, 1603624 and 1603667 under the NYSDEC Spill program. A separate RAWP addendum may be required by NYSDEC for spill closure.
13. Transportation and off-site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.
14. Collection and analysis of 11 end-point samples to determine the performance of the remedy with respect to attainment of SCOs. End point samples for tank removal and spill remediation will be conducted per NYSDEC guidance contained in DER-10.
15. Construction and maintenance of an engineered composite cover at each building consisting of six inches of concrete building foundation slabs/walls and a two foot clean soil cap in any landscaped areas to prevent human exposure to residual soil/fill remaining under the Site.
16. Submission of a Remedial Action Report (RAR), that describes the remedial activities, that certifies that the remedial requirements have been achieved, and describes all Engineering Controls and Institutional Controls (ECs/ICs) to be implemented at the Site, and lists any deviations from this RAP.
17. Installation of a vapor barrier system beneath the buildings' slab and along foundation sidewalls to prevent soil vapor migration into the building. The vapor barrier system will consist of the Stego Wrap<sup>®</sup> 20-mil vapor barrier or an OER-approved equivalent. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The vapor barrier system is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.
18. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
19. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
20. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls

will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

### 3.4.1 Summary of Preferred Remedial Action

Track 4 SSSCOs are proposed for the remedy proposed under this RAP. The SCOs for this Site will be NYSDEC Part 375 Section 6.8 Restricted Residential Use SCOs as modified for the following SSSCOs:

Contaminant	SSSCOs
VOCs	RRSCOs and protection of gw standards for isopropylbenzene
Total SVOCs	250 ppm
Arsenic	23 ppm
Lead	1,000 ppm
Barium	600 ppm
Cadmium	10 ppm

ppm = parts per million

Soil and materials management on-Site and off-site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan (SMMP) in Appendix F. The location of planned excavations is shown on Figure 7.

Discrete contaminant sources (such as petroleum contaminated soil and any additional hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the RAR.

### 3.4.2 Soil/Fill Removal Quantities

Excavation is expected to extend up to approximately 8 feet below grade at the location of the proposed buildings. The total quantity of soil/fill expected to be excavated and disposed off-site is approximately 4,500 cubic yards. An estimated site excavation plan is shown on Figure 7.

The proposed disposal locations for Site-derived contaminated materials will be determined after the requisite waste characterization sampling is conducted. Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

### 3.4.3 End-point Sampling

Eleven endpoint samples will be collected in areas where excavation does not extend to bedrock. The samples collected during the Supplemental Phase II

Environmental Site Investigation Work Plan (included in Appendix B) will serve as additional end-point samples for the remediation. Soil samples will be inspected for evidence of contamination (e.g., odors, staining), screened for the presence of volatile organics with a PID equipped with a 10.6 electron volt (eV) lamp. The PID will be calibrated in accordance with manufacturer's recommendations prior to sampling.

The endpoint soil samples will be analyzed for the following:

- VOCs by EPA Method 8260;
- SVOCs by EPA Method 8270; and
- The metals arsenic, barium, cadmium, and lead.

A New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory will be used for all sample analyses. All laboratory analytical data will be tabulated in the RAR and will include all data including non-detects and applicable standards and/or guidance values.

If either light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL) are detected, appropriate samples will be collected for characterization and "fingerprint analysis" and required regulatory reporting (i.e., spills hotline) (if any) will be performed.

#### **3.4.4 Quality Assurance/Quality Control**

The fundamental quality assurance (QA) objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the quality control (QC) acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

One blind duplicate sample for every 20 samples collected will be submitted to the approved laboratory for analysis of the same parameters as the parent sample.

Samples will be collected in accordance with the following procedures:

- Record sample observations (e.g., evidence of contamination, PID readings, soil classification) in a field log book.
- Collect an aliquot of soil or groundwater using dedicated or disposable plastic sample spoon or sample bailer and place in laboratory-supplied sample jars.
- Seal and label the sample jars as described below and place in a chilled cooler.

#### **Decontamination Procedures**

To avoid contamination and cross-contamination of samples, only dedicated or disposable sampling equipment may be used to collect these samples. All non-disposable equipment involved in field sampling must be decontaminated before

being brought to the sampling location, and must be properly decontaminated after use.

#### Sample Identification

All samples will be consistently identified in all field documentation, chain-of-custody documents and laboratory reports using an alpha-numeric or alpha-alpha code. For endpoint soil samples, the alpha prefix will be “EP” followed by numbers as indicated on Figure 8.

For stockpiled soil, if samples are necessary, the alpha prefix will be “SP” and the numbers following the alpha prefix will correspond to excavated stockpiles, beginning with “1, 2, 3...etc.” For example, the first sample collected from the first stockpile will be labeled “SP-1-1” and the first sample collected from the second stockpile will be labeled “SP-2-1.”

#### Sample Labeling and Shipping

All sample containers will be labeled with the following information:

- Site identification
- Sample identification
- Date and time of collection
- Analysis(es) to be performed
- Sampler’s initials

Once the samples are collected and labeled, they will be placed in chilled coolers and stored in a cool area away from direct sunlight to await shipment to the laboratory. Soil samples will be shipped to the laboratory at a frequency that will not result in an exceedance of applicable holding times for sample methods. At the start and end of each workday, field personnel will add ice to the coolers as needed.

The samples will be prepared for shipment by placing each sample jar in a sealable plastic bag, then wrapping each bag in bubble wrap to prevent breakage, adding freezer packs and/or fresh ice in sealable plastic bags and the chain-of-custody form. Samples will be shipped overnight (e.g., Federal Express) or transported by a laboratory courier. All coolers shipped to the laboratory will be sealed with mailing tape and a chain-of-custody seal to ensure that the coolers remain sealed during delivery.

#### Sample Custody

Field personnel will be responsible for maintaining the sample coolers in a secured location until they are picked up and/or sent to the laboratory. The record of possession of samples from the time they are obtained in the field to the time they are delivered to the laboratory or shipped off-site will be documented on chain-of-custody forms. The chain-of-custody forms will contain the following information: project name; names of sampling personnel; sample number; date

and time of collection and matrix; and signatures of individuals involved in sample transfer, and the dates and times of transfers. Laboratory personnel will note the condition of the custody seal and sample containers at sample check-in.

#### Documentation

A sample log book will be maintained. The following information, at a minimum, will be recorded to the log:

- Sample identification number
- Sample location
- Field observations
- Sample type
- Analyses
- Date/time of collection
- Collector's name
- Sample procedures and equipment utilized
- Date sent to laboratory/name of laboratory
- Copies of site drawings indicating stockpile numbers and locations

#### **3.4.5 Import and Reuse of Soils**

Import of soil onto the Site and reuse of soil already on-site will be performed in conformance with the SMMP in Appendix F. Imported soil will meet the lower of:

- Restricted Residential SCOs; and
- Groundwater Protection Standards in Part 375-6.8.

It is anticipated that approximately 200 cubic yards of soil will be imported for the landscaped areas in the rear yard.

### **4.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT (QHHEA)**

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

The Phase II Investigation, as described in the Phase II Investigation Report, is sufficient to complete a QHHEA. The QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the Remedial Investigation (RI) was evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with

Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

#### 4.1 Contaminants of Concern (COCs) in Respective Media

Based on the results of the Subsurface (Phase II) Investigation, the COCs are:

##### Soil:

Several VOCs were identified, but did not exceed their RRSCOs.

The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above their respective RRSCOs.

The metals arsenic, barium, cadmium, and lead, were detected above their respective RRSCOs.

Several pesticides were identified, but did not exceed their RRSCOs.

##### Groundwater:

The VOC isopropylbenzene (cumene) was detected at a concentration above its respective AWQS.

The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, and indeno(1,2,3-c,d)pyrene were detected at concentrations above their respective AWQSs.

Dissolved magnesium, manganese and sodium were detected at concentrations above their respective AWQSs.

##### Soil Vapor:

Petroleum related and chlorinated VOC compounds were detected at low levels..

#### 4.2 Potential Routes of Exposure

The five elements of an exposure pathway are:

1. The source of contamination;
2. The environmental media and transport mechanisms;
3. The point of exposure;
4. The route of exposure; and
5. The receptor population.

These elements of an exposure pathway may be based on past, present, or future events. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future.

### 4.3 Exposure Route

An exposure route is the mechanism by which a receptor comes into contact with a chemical. Three potential primary routes exist by which chemicals can enter the body:

1. Ingestion of water, fill, and/or soil;
2. Inhalation of vapors and/or particulates; and
3. Dermal contact with water, fill, soil, and/or building materials.

### 4.4 Potential Receptors

Currently, the buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are utilized as parking garages and 145-149 West 108<sup>th</sup> Street as an emergency senior citizen shelter. The area immediately surrounding the Site is predominantly residential and commercial in nature. The proposed future use of the Site is residential with community space on the ground floor.

On-site Receptors: Potential on-site receptors include adult residents of the senior shelter, employees of the shelter and garages, customers of the garages, and visitors.

During redevelopment of the Site, the on-site potential sensitive receptors will include construction workers and inspectors. Once the Site is redeveloped, the on-site potential sensitive receptors will include: adult and child residents, maintenance staff, and community patrons.

Off-site Receptors: Potential off-site receptors within a 0.25-mile radius of the Site include: adult and child residents, commercial and construction workers, students, pedestrians, trespassers, and cyclists, based on the following:

- Commercial Businesses – existing and future
- Residential Buildings – existing and future
- Building Construction/Renovation – existing and future
- Pedestrians, Trespassers, Cyclists – existing and future
- Schools – existing and future

### 4.5 Existence of Human Health Exposure Pathways

This evaluation consists of the following components: contaminant source; contaminant release and transport mechanism; point of exposure; route of exposure; and receptor population.

On-site Existing Conditions: There is a potential exposure pathway from dermal contact by residents and staff with soil/fill in the side yard at 145-149 West 108<sup>th</sup> Street, and in the rear yards of 143-159 West 108<sup>th</sup> Streets. There is an existing potential exposure pathway from VOCs in soil vapor to enter into the building as a result of any basement floor or lower wall openings/cracks.

Off-site Existing Conditions: There is an existing potential exposure pathway from VOCs in soil vapor to enter into the adjoining buildings as a result of any basement floor or lower wall openings/cracks. The indoor air quality at the adjoining properties may be

susceptible to contamination from subsurface vapor intrusion attributable to VOCs emitted from the Site. The potential receptors from such a migration pathway into the building would be to off-site construction and commercial workers, and adult and child residents. The primary route of exposure would be inhalation. There is also a potential exposure pathway from any dust emanating from the Site to off-site pedestrians, visitors, cyclists, and adult and child residents.

**On-site Future Conditions:** Once redevelopment activities begin, there will be a potential exposure pathway from construction workers coming into direct contact with surface and subsurface soils as a result of construction and excavation activities. If the redevelopment plans include dewatering, there will be a potential exposure pathway from the groundwater to on-site construction workers. On-site construction workers could potentially inhale or have dermal contact with any soil/fill that is saturated with contaminated groundwater, vapors off-gassing from the groundwater, and/or the contaminated groundwater itself.

Once the redevelopment of the Site has been completed (assuming no remediation) there will be a potential exposure pathway to adult and child residents, maintenance staff, and commercial workers from the inhalation of any potential off-gassing of VOC vapors from the subsurface. The VOC vapors could migrate from residual compounds in the soil and/or groundwater and enter the building through any cracks or openings in the foundation. There will also be a potential exposure pathway from dermal contact, inhalation, or ingestion of surface soil/fill in any landscaped or non-capped areas by adult and child residents, visitors, and trespassers.

**Off-site Future Conditions:** Once redevelopment of the Site has been completed (assuming no remediation), there is a potential exposure pathway from soil vapor emanating from the subsurface to enter into the adjoining buildings as a result of any basement floor or lower wall openings/cracks. The indoor air quality at the adjoining properties would be susceptible to contamination from subsurface vapor intrusion. Off-site commercial workers and adult or child residents could potentially inhale these vapors. There will also be a potential exposure pathway from any particulates emanating from the Site from uncapped landscaped areas to off-site pedestrians, visitors, cyclists, and adult and child residents.

#### **4.6 Overall Human Health Exposure Assessment**

Since the accessible areas of the Site are entirely capped with concrete and asphalt, there are limited on-site exposure pathways. There is a potential exposure pathway from dermal contact by residents and staff with soil/fill in the side yard at 145-149 West 108<sup>th</sup> Street, and in the rear yards of 143-159 West 108<sup>th</sup> Street. There is an existing potential exposure pathway from VOCs in soil vapor to enter into the buildings as a result of any basement floor or lower wall openings/cracks.

Once redevelopment activities begin, there will be a potential exposure pathway from contaminated surface soil/fill to construction workers as these workers could potentially ingest, inhale, or have dermal contact with any exposed contaminated fill or soil. If redevelopment plans include dewatering, there will be an additional potential exposure

pathway as workers could potentially inhale or have dermal contact with the contaminated groundwater.

Without remediation, once redevelopment of the Site has been completed, there will be a potential exposure pathway from the potential off-gassing of residual organic vapors in the soil and/or groundwater to adult and child residents, maintenance staff, visitors, and commercial workers through cracks or openings in the foundations of the new building and surrounding buildings. There will also be a potential exposure pathway from dermal contact, inhalation, or ingestion of surface soil in any landscaped or non-capped areas by adult and child residents, visitors, and trespassers.

Based on the results of the QHHEA, an OER-approved Remedial Action Plan (RAP) should be implemented during construction of the proposed Site building to ensure that the potential exposure pathways identified do not become complete. The RAP should address the contaminated soil/fill at the Site and the implementation of certain engineering and/or institutional controls.

## 5.0 ENGINEERING CONTROLS

The proposed remedy will achieve Track 4 SSSCOs. ECs will be employed as part of the remedial action to address residual contamination remaining at the Site. The Site has two primary Engineering Control Systems. These are:

- Site cover system, consisting of concrete building slabs, foundation walls, concrete pathways, and clean soil cap; and
- Vapor barrier.

### 5.1 Site Cover System

Exposure to residual soil/fill will be prevented by a site cover system built across the entirety of the Site (building slabs, foundation walls, concrete pathways and clean soil cap), as shown on Figure 9. The concrete buildings' slabs will be underlain by a vapor barrier as discussed in Section 5.2. Any uncapped landscaped areas or permeable pavement will be capped by minimum two-feet of clean soil, which will be underlain by a demarcation barrier (i.e. orange snow fence). Figure 9 shows the typical design and location of each remedial cover type used on this Site.

The site cover system is a permanent EC for the Site. The system will be inspected and reported at specified intervals as required by this RAP and the SMP. A Soil Management Plan will be included in the SMP and will outline the procedures to be followed in the event that the site cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this site cover system will be described in the SMP in the RAR.

### 5.2 Vapor Barrier

Migration of soil vapor will be mitigated with a combination of buildings' slabs and vapor barrier. The vapor barrier will be installed beneath the new buildings' slabs and outside of below-grade foundation sidewalls. The barrier will consist of a Stego Wrap®

20-mil vapor barrier or an OER-approved equivalent. The barrier will be installed in accordance with the manufacturer's specifications, including those for sealing penetrations. Proof of installation will be included in the Professional Engineer (P.E.)-certified RAR.

At a minimum, field quality control of the integrity of the vapor barrier installation will include:

- The sealing of all penetrations per the manufacturer's specifications to ensure a single membrane layer;
- Notifying the manufacturer or third-party certifying inspector of the vapor barrier installation in sufficient time to allow for inspection of substrates and membranes; and
- Sufficient site visits by the membrane manufacturer or third-party certifying inspector to provide certification of proper installation.

The vapor barrier manufacturer specifications are provided in Appendix G.

### 5.3 Institutional Controls

ICs have been incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Long-term employment of ECs/ICs will be implemented under a site-specific SMP that will be included in the RAR.

ICs for this remedial action are:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the SMP, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion
- Submittal of a SMP in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. The SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determined by OER in the SMP and will comply with RCNY §43-1407(1)(3);
- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;

- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;
- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP; and
- The Site will be used for residential use and will not be used for a higher level of use without prior approval by OER.

#### **5.4 Site Management Plan**

Site Management is the last phase of remediation and begins with the approval of the RAR and issuance of the Notice of Completion (NOC) for the Remedial Action. The SMP describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAP. The SMP is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the SMP are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of ECs and ICs; (2) operation and maintenance of ECs; (3) inspection and certification of ECs; and (4) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled by OER on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The SMP will be based on a calendar year and certification reports will be due for submission to OER by March 31 of the year following the reporting period.

## 6.0 REMEDIAL ACTION MANAGEMENT

### 6.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include:

Michelle Lapin, PE	AKRF Remedial Engineer
Marc Godick, LEP	AKRF Principal and Project Director
Deborah Shapiro, QEP	AKRF Project Manager and Qualified Environmental Professional
Kenneth Wiles	AKRF Alternate Project Manager
Elizabeth Matamoros	AKRF Field Team Leader and Environmental Site Safety Officer

The Professional Engineer for this project is Michelle Lapin (New York State Professional Engineer #073934-1).

### 6.2 Site Security

Site access will be controlled by locked gated entrances to the fenced site.

### 6.3 Work Hours

The hours for operation of remedial construction will be from 7:00 AM to 4:00 PM. These hours conform to the New York City Department of Buildings construction code requirements.

### 6.4 Construction Health and Safety Plan

The site-specific Construction Health and Safety Plan (CHASP) is included in Appendix C. The Site Safety Coordinator will be Elizabeth Matamoros. Remedial work performed under this RAP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Satisfaction.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. The Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign a CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before

any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

## **6.5 Community Air Monitoring Plan**

Real-time air monitoring for VOCs and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Continuous monitoring for VOCs and particulate levels during all soil disturbance activities including CAMP stations both upwind and downwind of activities, and a CAMP station on the southern (West 108<sup>th</sup> Street) Site boundary across from the school. Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil samples. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the CAMP will be reported to the OER Project Manager and included in the Daily Report.

### **6.5.1 VOC Monitoring, Response Levels, and Actions**

In accordance with the Generic CAMP, VOCs will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. In addition, concentrations will be measured at the West 108<sup>th</sup> Street Site boundary. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor

level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less—but in no case less than 20 feet—is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

### **6.5.2 Particulate Monitoring, Response Levels, and Actions**

In accordance with the generic CAMP, particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone and along the West 108<sup>th</sup> Street Site boundary at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed  $150 \mu\text{g}/\text{m}^3$  above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than  $150 \mu\text{g}/\text{m}^3$  above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within  $150 \mu\text{g}/\text{m}^3$  of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

## **6.6 Agency Approvals**

All permits or government approvals required for remediation and construction have been or will be obtained prior to the start of remediation and construction. Acceptance of this RAP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

## **6.7 Site Preparation**

### **6.7.1 Pre-Construction Meeting**

OER will be invited to attend a pre-construction meeting at the Site with all parties involved in the remedial process (e.g. General Contractor, foundation/earthwork contractors, etc.) prior to the start of remedial construction activities.

### **6.7.2 Mobilization**

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

### **6.7.3 Utility Marker Layouts, Easement Layouts**

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed in compliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation, or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAP. The integrity and safety of on-Site and off-site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAP.

### **6.7.4 Dewatering**

Dewatering is not anticipated, however, any dewatering that is required should be performed in accordance with NYCDEP requirements for discharge to

sanitary/combined sewers. Additional groundwater testing and possibly pre-treatment will likely be necessary to comply with NYCDEP requirements.

#### **6.7.5 Equipment and Material Staging**

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations. The location of proposed equipment and material staging areas, truck inspection station, stockpile areas, and other pertinent remedial management features will be determined based on the final construction scheme.

#### **6.7.6 Stabilized Construction Entrance**

Steps will be taken to ensure that trucks departing the Site will not track soil, fill, or debris off-site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

#### **6.7.7 Truck Inspection Station**

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

#### **6.7.8 Extreme Storm Preparedness and Response Contingency Plan**

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous Site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for Site preparedness prior to the event and response after the event.

#### **6.7.9 Storm Preparedness**

Preparations in advance of an extreme storm event will include the following, to the extent practicable: containerized hazardous materials and fuels will be removed from the Site; loose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the Site to high ground or removed from the Site; an inventory of the Site with photographs will be performed to establish conditions for the Site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the

Site; and stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences and hay bales, clean storm sewer filters and traps, and secure and protect pumps and hosing.

#### **6.7.10 Storm Response**

At the conclusion of an extreme storm event, as soon as it is safe to access the Site, a complete inspection of the Site will be performed. A Site inspection report will be submitted to OER at the completion of site inspection and after the Site security is assessed. Site conditions will be compared to the inventory of Site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYSDEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will be collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Stormwater control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of Site access by the Site owner. Impacted off-site areas may require characterization based on Site conditions, at the discretion of OER. If on-Site petroleum spills are identified, personnel under the direction of a qualified environmental professional will determine the nature and extent of the spill and report to NYSDEC's spill hotline at 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped, if this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYSDEC.

#### **6.7.11 Storm Response Reporting**

A Site inspection report will be submitted to OER at the completion of Site inspection. An inspection report established by OER is available on OER's website ([www.nyc.gov/oer](http://www.nyc.gov/oer)) and will be used for this purpose. Site conditions will be compared to the inventory of Site conditions and material performed prior to the storm event and significant differences will be noted. The Site inspection report will be sent to the OER Project Manager and will include the Site name, address, tax block and lot, Site primary and alternate contact name and phone

number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the Site was relocated and whether any of the soil left the Site; estimates of the volume of soil that left the Site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of on-site or off-site exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYSDEC; description of corrective actions; and schedule for corrective actions. This report should be completed and submitted to OER Project Manager with photographs within 24 hours of the time of safe entry to the Site after the storm event.

## 6.8 Traffic Control

Drivers of trucks leaving the Site with soil/fill will be instructed to proceed without stopping in the vicinity of the Site to the extent practicable to prevent neighborhood impacts. The planned route on local roads for trucks leaving the Site is shown on Figure 10.

## 6.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access areas);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (e.g., soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

## 6.10 Reporting and Record Keeping

### 6.10.1 Daily Reports

Daily reports, providing a general summary of activities for each day of *active remedial work*, will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;

- Status of on-site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with the OER Project Manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAP will be communicated directly to the OER Project Manager by personal communication. As the Site construction is planned in two phases, the address of activities will be clearly stated on all reports. Daily reports will be included as an appendix in the RAR.

#### **6.10.2 Record Keeping and Photo-Documentation**

Job-site record keeping for all remedial work will be performed. These records will be maintained on-site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e., jpeg files).

#### **6.11 Complaint Management**

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

#### **6.12 Deviations from the Remedial Action Plan**

All changes to the RAP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RAR. The process to be followed if there are any deviations from the RAP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

## 7.0 REMEDIAL ACTION REPORT

A RAR will be submitted to OER following implementation of the remedial action defined in this RAP. The RAR will document that the remedial work required under this RAP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, Quality Assurance/Quality Control (QA/QC) results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material;
- Account of the origin and required chemical quality testing for material imported onto the Site; and
- Reports and supporting material will be submitted in digital form.

### Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the RAR. The certification will include the following statements:

*I, Michelle Lapin, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 103-107 and 143-159 West 108<sup>th</sup> Street Site #16TMP0258Q.*

*I certify that the OER-approved Remedial Action Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill,*

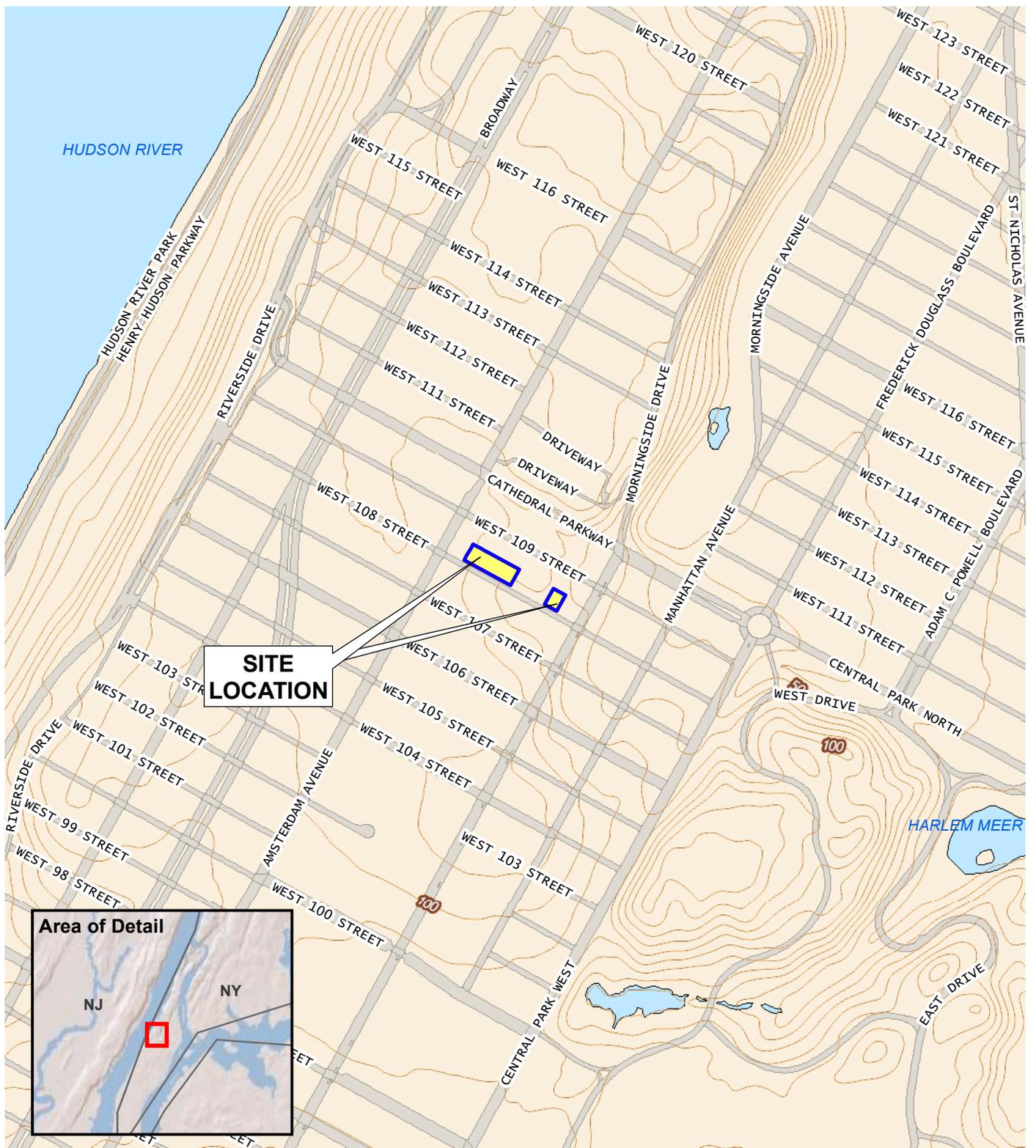
*liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.*

## 8.0 SCHEDULE

The construction and remediation timeline have not been determined at this time. A schedule will be provided to OER at a later date.

## FIGURES

© 2017 AKRF. W:\Projects\170060 - WSFSSH WEST 108TH STREET\Technical\GIS and Graphics\Hazmat\170060 Fig 1 site loc map.mxd 3/16/2017 8:06:38 AM mveilleux



Map Source: USGS Topo base map service from The National Map



440 Park Avenue South, New York, NY 10016

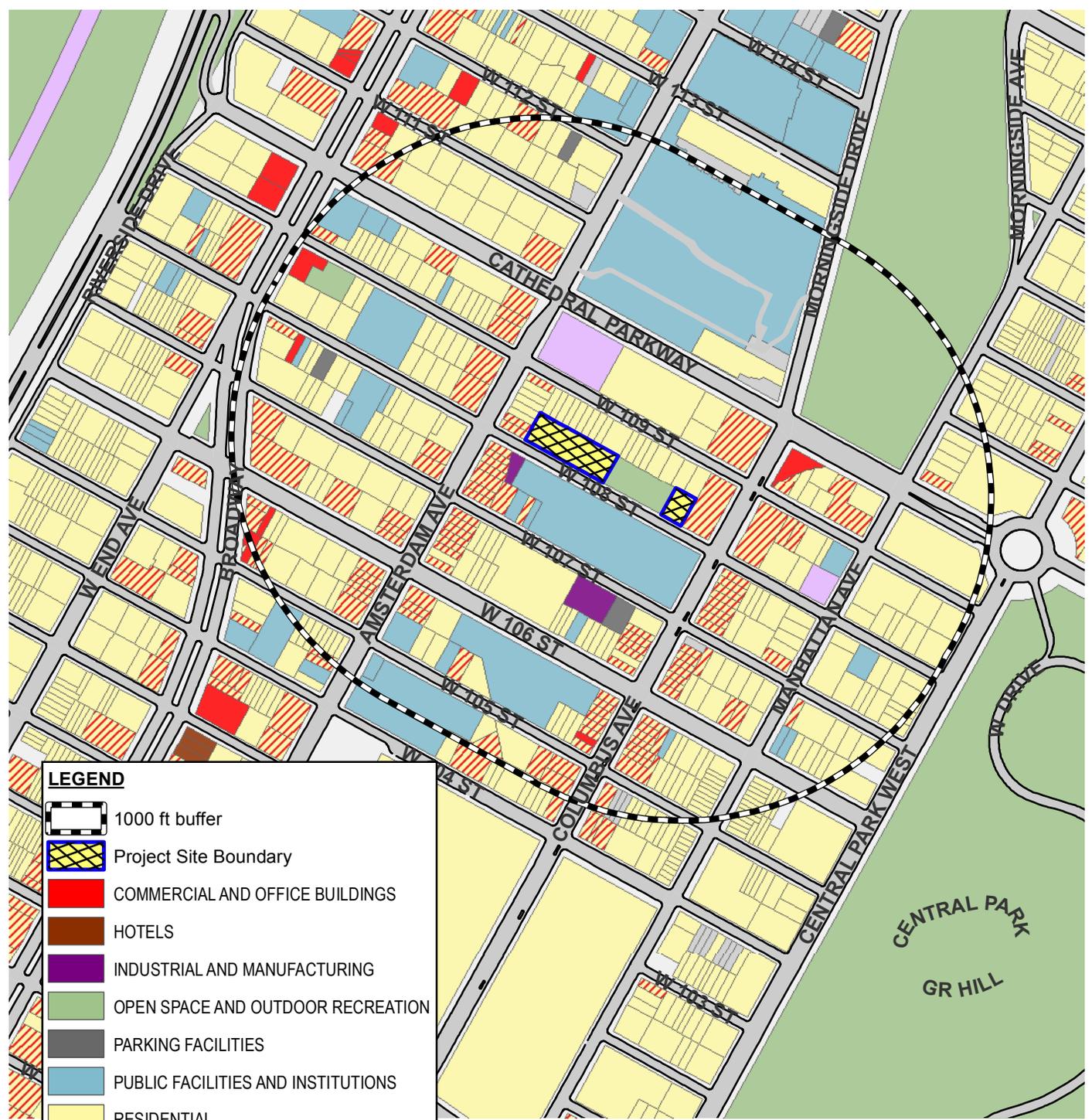
**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SITE LOCATION**

DATE	<b>3/16/2017</b>
PROJECT NO.	<b>170060</b>
FIGURE	<b>1</b>



© 2017 AKRF. W:\Projects\170060 - WSFSSH WEST 108TH STREET\Technical\GIS and Graphics\Hazmat\170060 Fig 3 Surrounding Land Use.mxd 3/17/2017 10:30:13 AM mveilleux



**LEGEND**

- 1000 ft buffer
- Project Site Boundary
- COMMERCIAL AND OFFICE BUILDINGS
- HOTELS
- INDUSTRIAL AND MANUFACTURING
- OPEN SPACE AND OUTDOOR RECREATION
- PARKING FACILITIES
- PUBLIC FACILITIES AND INSTITUTIONS
- RESIDENTIAL
- RESIDENTIAL WITH COMMERCIAL BELOW
- TRANSPORTATION AND UTILITY
- VACANT LAND
- VACANT BUILDING
- UNDER CONSTRUCTION

Map Source:  
NYC DCP (NYC Dept. of City Planning) GIS database

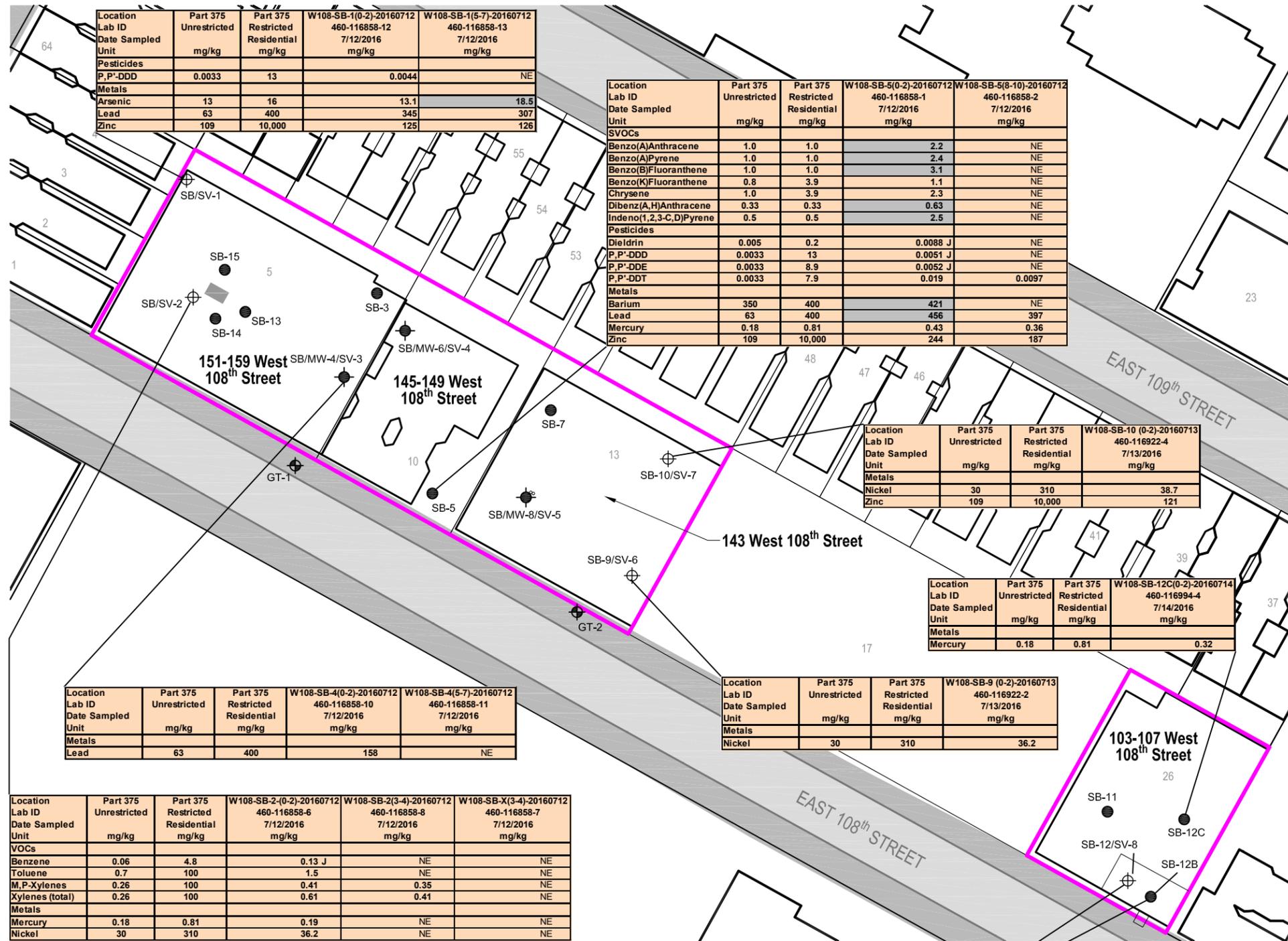


440 Park Avenue South, New York, NY 10016

**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SURROUNDING LAND USE**

DATE	3/17/2017
PROJECT NO.	170060
FIGURE	3



Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-1(0-2)-20160712 460-116858-12 7/12/2016 mg/kg	W108-SB-1(5-7)-20160712 460-116858-13 7/12/2016 mg/kg
Pesticides				
P,P'-DDD	0.0033	13	0.0044	NE
Metals				
Arsenic	13	16	13.1	18.5
Lead	63	400	345	307
Zinc	109	10,000	125	126

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-5(0-2)-20160712 460-116858-1 7/12/2016 mg/kg	W108-SB-5(8-10)-20160712 460-116858-2 7/12/2016 mg/kg
SVOCs				
Benzo(A)Anthracene	1.0	1.0	2.2	NE
Benzo(A)Pyrene	1.0	1.0	2.4	NE
Benzo(B)Fluoranthene	1.0	1.0	3.1	NE
Benzo(K)Fluoranthene	0.8	3.9	1.1	NE
Chrysene	1.0	3.9	2.3	NE
Dibenz(A,H)Anthracene	0.33	0.33	0.63	NE
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	2.5	NE
Pesticides				
Dieldrin	0.005	0.2	0.0088 J	NE
P,P'-DDD	0.0033	13	0.0051 J	NE
P,P'-DDE	0.0033	8.9	0.0052 J	NE
P,P'-DDT	0.0033	7.9	0.019	0.0097
Metals				
Barium	350	400	421	NE
Lead	63	400	456	397
Mercury	0.18	0.81	0.43	0.36
Zinc	109	10,000	244	187

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-10 (0-2)-20160713 460-116922-4 7/13/2016 mg/kg
Metals			
Nickel	30	310	38.7
Zinc	109	10,000	121

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12C(0-2)-20160714 460-116994-4 7/14/2016 mg/kg
Metals			
Mercury	0.18	0.81	0.32

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-4(0-2)-20160712 460-116858-10 7/12/2016 mg/kg	W108-SB-4(5-7)-20160712 460-116858-11 7/12/2016 mg/kg
Metals				
Lead	63	400	158	NE

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-9 (0-2)-20160713 460-116922-2 7/13/2016 mg/kg
Metals			
Nickel	30	310	36.2

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-2(0-2)-20160712 460-116858-6 7/12/2016 mg/kg	W108-SB-2(3-4)-20160712 460-116858-8 7/12/2016 mg/kg	W108-SB-X(3-4)-20160712 460-116858-7 7/12/2016 mg/kg
VOCs					
Benzene	0.06	4.8	0.13 J	NE	NE
Toluene	0.7	100	1.5	NE	NE
M,P-Xylenes	0.26	100	0.41	0.35	NE
Xylenes (total)	0.26	100	0.61	0.41	NE
Metals					
Mercury	0.18	0.81	0.19	NE	NE
Nickel	30	310	36.2	NE	NE

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12 (0-2)-20160711 460-116807-1 7/11/2016 mg/kg
Pesticides			
P,P'-DDD	0.0033	13	0.0035 J
P,P'-DDT	0.0033	7.9	0.019
Metals			
Barium	350	400	392
Cadmium	2.5	4.3	6.3
Chromium, Hexavalent	1.0	110	1.9 J
Copper	50	270	88.5
Lead	63	400	1,990
Mercury	0.18	0.81	0.46
Zinc	109	10,000	679

Location Lab ID Date Sampled Unit	Part 375 Unrestricted mg/kg	Part 375 Restricted Residential mg/kg	W108-SB-12B(0-2)-20160714 460-116994-5 7/14/2016 mg/kg
Metals			
Mercury	0.18	0.81	0.21



**LEGEND**

- PROJECT SITE BOUNDARY
- SOIL BORING
- SOIL BORING/SOIL VAPOR POINT
- SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GEOTECH WELL
- LOT NUMBER
- LOT LINE
- BUILDING LINE

**SOIL**

NE : No Exceedance

J : The concentration given is an estimated value.

**Part 375 Soil Cleanup Objectives**  
Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

mg/kg : milligrams per kilogram = parts per million (ppm)

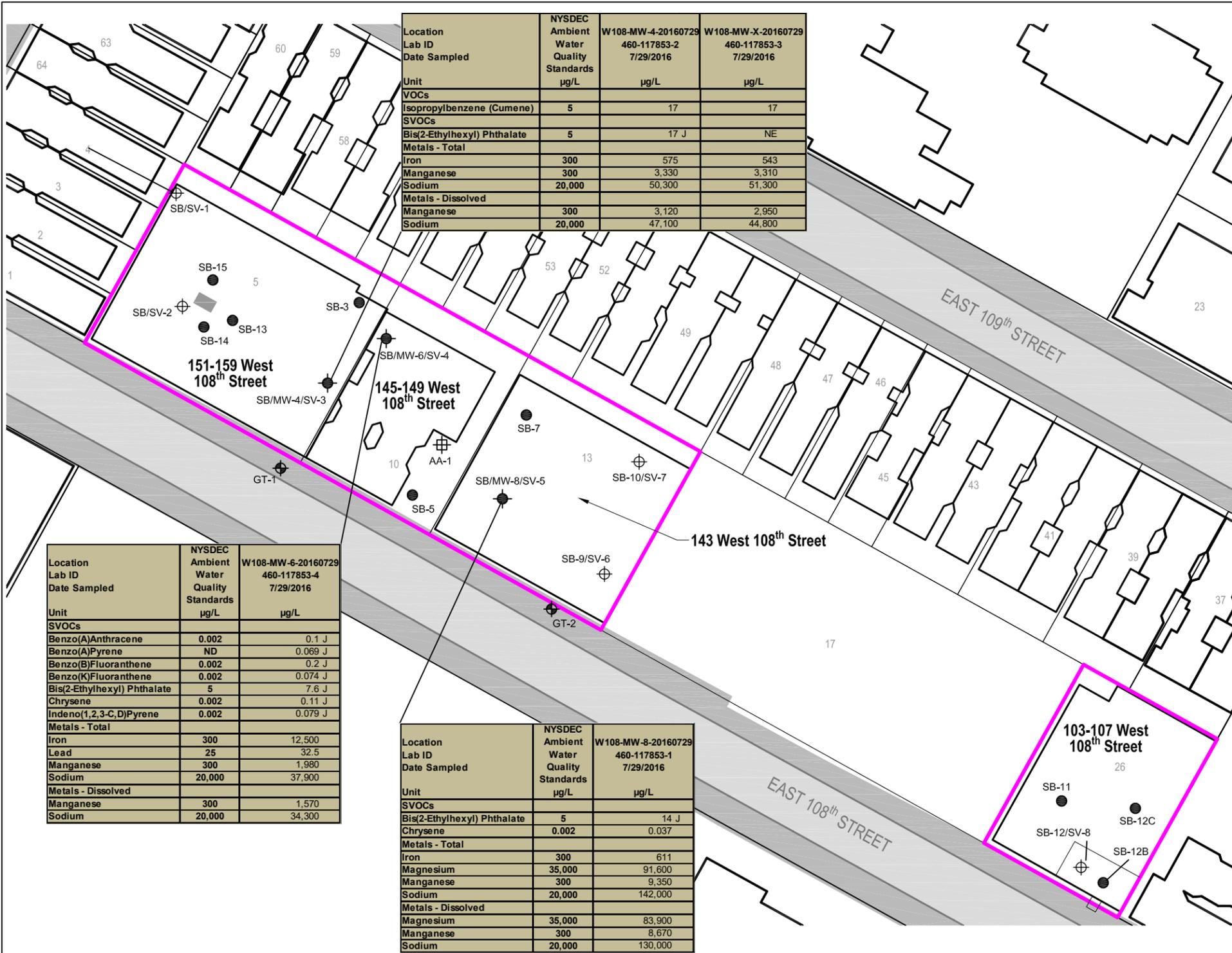
\* Sample W108-SB-X(3-4) 20160712 is a blind duplicate of W108-SB-2 (3-4) 20160712  
\* Sample W108-SB-Y 20160714 is a blind duplicate of W108-SB-12B (3-4) 20160714

Exceedences of Part 375 Unrestricted Soil Cleanup Objectives are highlighted in bold font.  
Exceedences of Part 375 Restricted Residential Soil Cleanup Objectives are highlighted in gray.



SCALE IN FEET

©2017 AKRF, Inc. W:\Projects\170060 - WSFSSH WEST 108TH STREET\Technical\Hazmat\CAD\170060 Fig 5 GW Concs.dwg last save: mveilleux 5/12/2017 11:20 AM



Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-4-20160729 460-117853-2 7/29/2016	W108-MW-X-20160729 460-117853-3 7/29/2016
Unit		µg/L	µg/L
<b>VOCs</b>			
Isopropylbenzene (Cumene)	5	17	17
<b>SVOCs</b>			
Bis(2-Ethylhexyl) Phthalate	5	17 J	NE
<b>Metals - Total</b>			
Iron	300	575	543
Manganese	300	3,330	3,310
Sodium	20,000	50,300	51,300
<b>Metals - Dissolved</b>			
Manganese	300	3,120	2,950
Sodium	20,000	47,100	44,800

Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-6-20160729 460-117853-4 7/29/2016
Unit		µg/L
<b>SVOCs</b>		
Benzo(A)Anthracene	0.002	0.1 J
Benzo(A)Pyrene	ND	0.069 J
Benzo(B)Fluoranthene	0.002	0.2 J
Benzo(K)Fluoranthene	0.002	0.074 J
Bis(2-Ethylhexyl) Phthalate	5	7.6 J
Chrysene	0.002	0.11 J
Indeno(1,2,3-C,D)Pyrene	0.002	0.079 J
<b>Metals - Total</b>		
Iron	300	12,500
Lead	25	32.5
Manganese	300	1,980
Sodium	20,000	37,900
<b>Metals - Dissolved</b>		
Manganese	300	1,570
Sodium	20,000	34,300

Location Lab ID Date Sampled	NYSDEC Ambient Water Quality Standards µg/L	W108-MW-8-20160729 460-117853-1 7/29/2016
Unit		µg/L
<b>SVOCs</b>		
Bis(2-Ethylhexyl) Phthalate	5	14 J
Chrysene	0.002	0.037
<b>Metals - Total</b>		
Iron	300	611
Magnesium	35,000	91,600
Manganese	300	9,350
Sodium	20,000	142,000
<b>Metals - Dissolved</b>		
Magnesium	35,000	83,900
Manganese	300	8,670
Sodium	20,000	130,000

**LEGEND**

- PROJECT SITE BOUNDARY
- SOIL BORING
- SOIL BORING/SOIL VAPOR POINT
- SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GEOTECH WELL
- AMBIENT AIR SAMPLE LOCATION
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE

**GROUNDWATER**

- ND : Not Detected
- NE : No Exceedance
- J : The concentration given is an estimated value.

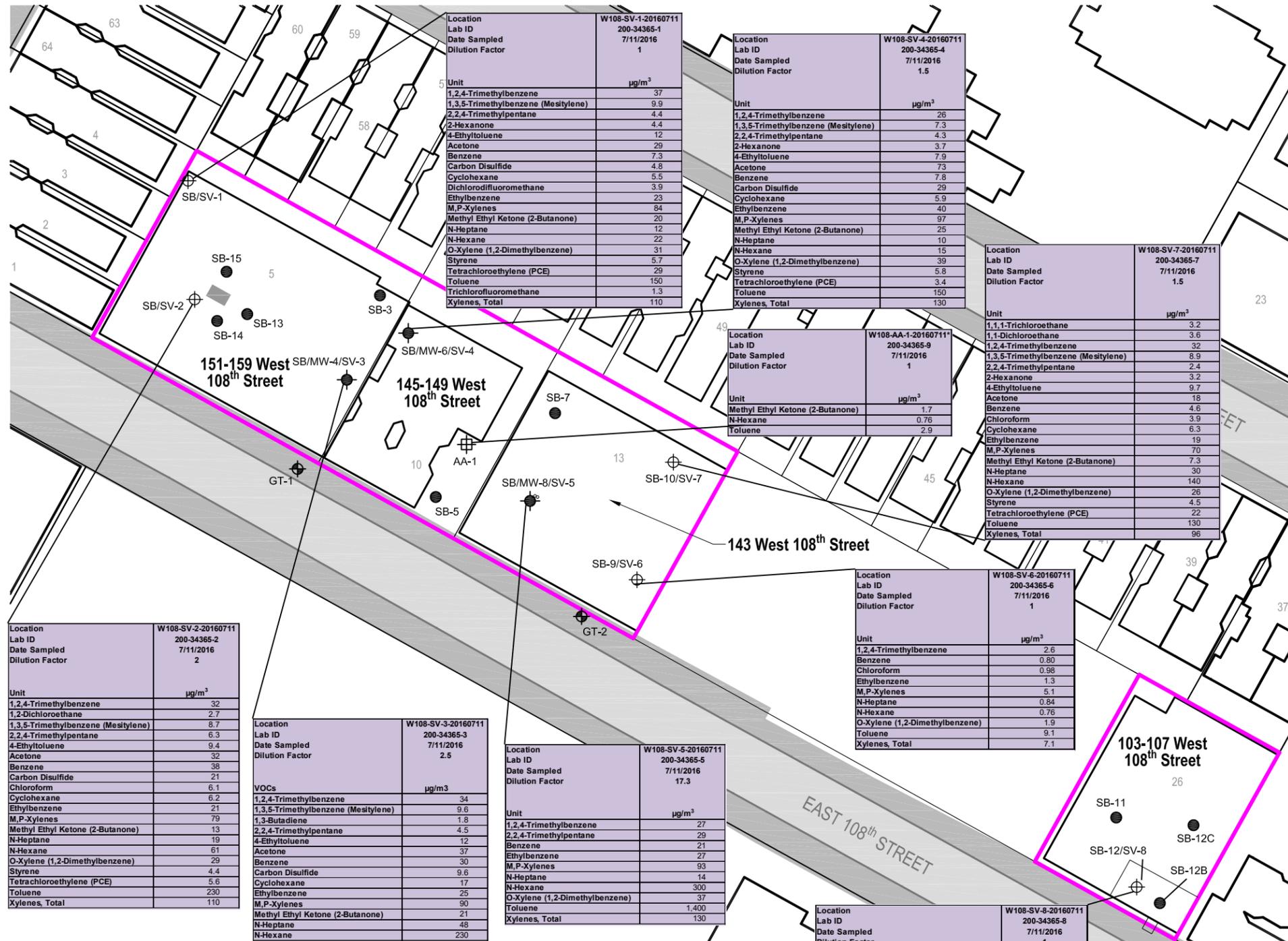
**NYSDEC** : New York State Department of Environmental Conservation Technical and Operational Class GA : Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values.

**Ambient**

µg/L : micrograms per Liter = parts per billion (ppb)

\* Sample W108-MW-X-20160729 is a blind duplicate of W108-MW-4-20160729





Location Lab ID Date Sampled Dilution Factor	W108-SV-2-20160711 200-34365-2 7/11/2016 2
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	32
1,2-Dichloroethane	2.7
1,3,5-Trimethylbenzene (Mesitylene)	8.7
2,2,4-Trimethylpentane	6.3
4-Ethyltoluene	9.4
Acetone	32
Benzene	38
Carbon Disulfide	21
Chloroform	6.1
Cyclohexane	6.2
Ethylbenzene	21
M,P-Xylenes	79
Methyl Ethyl Ketone (2-Butanone)	13
N-Heptane	19
N-Hexane	61
O-Xylene (1,2-Dimethylbenzene)	29
Styrene	4.4
Tetrachloroethylene (PCE)	5.6
Toluene	230
Xylenes, Total	110

Location Lab ID Date Sampled Dilution Factor	W108-SV-3-20160711 200-34365-3 7/11/2016 2.5
Unit	µg/m <sup>3</sup>
VOCs	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	34
1,3,5-Trimethylbenzene (Mesitylene)	9.6
1,3-Butadiene	1.8
2,2,4-Trimethylpentane	4.5
4-Ethyltoluene	12
Acetone	37
Benzene	30
Carbon Disulfide	9.6
Cyclohexane	17
Ethylbenzene	25
M,P-Xylenes	90
Methyl Ethyl Ketone (2-Butanone)	21
N-Heptane	48
N-Hexane	230
O-Xylene (1,2-Dimethylbenzene)	32
Styrene	5.2
Tetrachloroethylene (PCE)	3.8
Toluene	300
Xylenes, Total	120

Location Lab ID Date Sampled Dilution Factor	W108-SV-5-20160711 200-34365-5 7/11/2016 17.3
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	27
2,2,4-Trimethylpentane	29
Benzene	21
Ethylbenzene	27
M,P-Xylenes	93
N-Heptane	14
N-Hexane	300
O-Xylene (1,2-Dimethylbenzene)	37
Toluene	1,400
Xylenes, Total	130

Location Lab ID Date Sampled Dilution Factor	W108-SV-8-20160711 200-34365-8 7/11/2016 1
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	6.1
1,3,5-Trimethylbenzene (Mesitylene)	2.8
1,3-Butadiene	6.1
2,2,4-Trimethylpentane	11
2-Hexanone	4.7
4-Ethyltoluene	4.1
Acetone	67
Benzene	16
Carbon Disulfide	8.6
Chloroform	19
Cyclohexane	6.3
Ethylbenzene	15
M,P-Xylenes	45
Methyl Ethyl Ketone (2-Butanone)	49
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	4.3
N-Heptane	14
N-Hexane	21
O-Xylene (1,2-Dimethylbenzene)	14
Styrene	1.7
Tert-Butyl Alcohol	23
Tetrachloroethylene (PCE)	2.3
Toluene	120
Xylenes, Total	57

Location Lab ID Date Sampled Dilution Factor	W108-SV-1-20160711 200-34365-1 7/11/2016 1
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	37
1,3,5-Trimethylbenzene (Mesitylene)	9.9
2,2,4-Trimethylpentane	4.4
2-Hexanone	4.4
4-Ethyltoluene	12
Acetone	29
Benzene	7.3
Carbon Disulfide	4.8
Cyclohexane	5.5
Dichlorodifluoromethane	3.9
Ethylbenzene	23
M,P-Xylenes	84
Methyl Ethyl Ketone (2-Butanone)	20
N-Heptane	12
N-Hexane	22
O-Xylene (1,2-Dimethylbenzene)	31
Styrene	5.7
Tetrachloroethylene (PCE)	29
Toluene	150
Trichlorofluoromethane	1.3
Xylenes, Total	110

Location Lab ID Date Sampled Dilution Factor	W108-SV-4-20160711 200-34365-4 7/11/2016 1.5
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	26
1,3,5-Trimethylbenzene (Mesitylene)	7.3
2,2,4-Trimethylpentane	4.3
2-Hexanone	3.7
4-Ethyltoluene	7.9
Acetone	73
Benzene	7.8
Carbon Disulfide	29
Cyclohexane	5.9
Ethylbenzene	40
M,P-Xylenes	97
Methyl Ethyl Ketone (2-Butanone)	25
N-Heptane	10
N-Hexane	15
O-Xylene (1,2-Dimethylbenzene)	39
Styrene	5.8
Tetrachloroethylene (PCE)	3.4
Toluene	150
Xylenes, Total	130

Location Lab ID Date Sampled Dilution Factor	W108-SV-7-20160711 200-34365-7 7/11/2016 1.5
Unit	µg/m <sup>3</sup>
1,1,1-Trichloroethane	3.2
1,1-Dichloroethane	3.6
1,2,4-Trimethylbenzene	32
1,3,5-Trimethylbenzene (Mesitylene)	8.9
2,2,4-Trimethylpentane	2.4
2-Hexanone	3.2
4-Ethyltoluene	9.7
Acetone	18
Benzene	4.6
Chloroform	3.9
Cyclohexane	6.3
Ethylbenzene	19
M,P-Xylenes	70
Methyl Ethyl Ketone (2-Butanone)	7.3
N-Heptane	30
N-Hexane	140
O-Xylene (1,2-Dimethylbenzene)	26
Styrene	4.5
Tetrachloroethylene (PCE)	22
Toluene	130
Xylenes, Total	96

Location Lab ID Date Sampled Dilution Factor	W108-SV-6-20160711 200-34365-6 7/11/2016 1
Unit	µg/m <sup>3</sup>
1,2,4-Trimethylbenzene	2.6
Benzene	0.80
Chloroform	0.98
Ethylbenzene	1.3
M,P-Xylenes	5.1
N-Heptane	0.84
N-Hexane	0.76
O-Xylene (1,2-Dimethylbenzene)	1.9
Toluene	9.1
Xylenes, Total	7.1

**LEGEND**

- PROJECT SITE BOUNDARY
- SOIL BORING
- SOIL BORING/SOIL VAPOR POINT
- SOIL BORING/MONITORING WELL/SOIL VAPOR POINT
- GEOTECH WELL
- AMBIENT AIR SAMPLE LOCATION
- 17 LOT NUMBER
- LOT LINE
- BUILDING LINE

**NOTES:**

µg/m<sup>3</sup> : micrograms per cubic meter of air





440 Park Avenue South, New York, NY 10016

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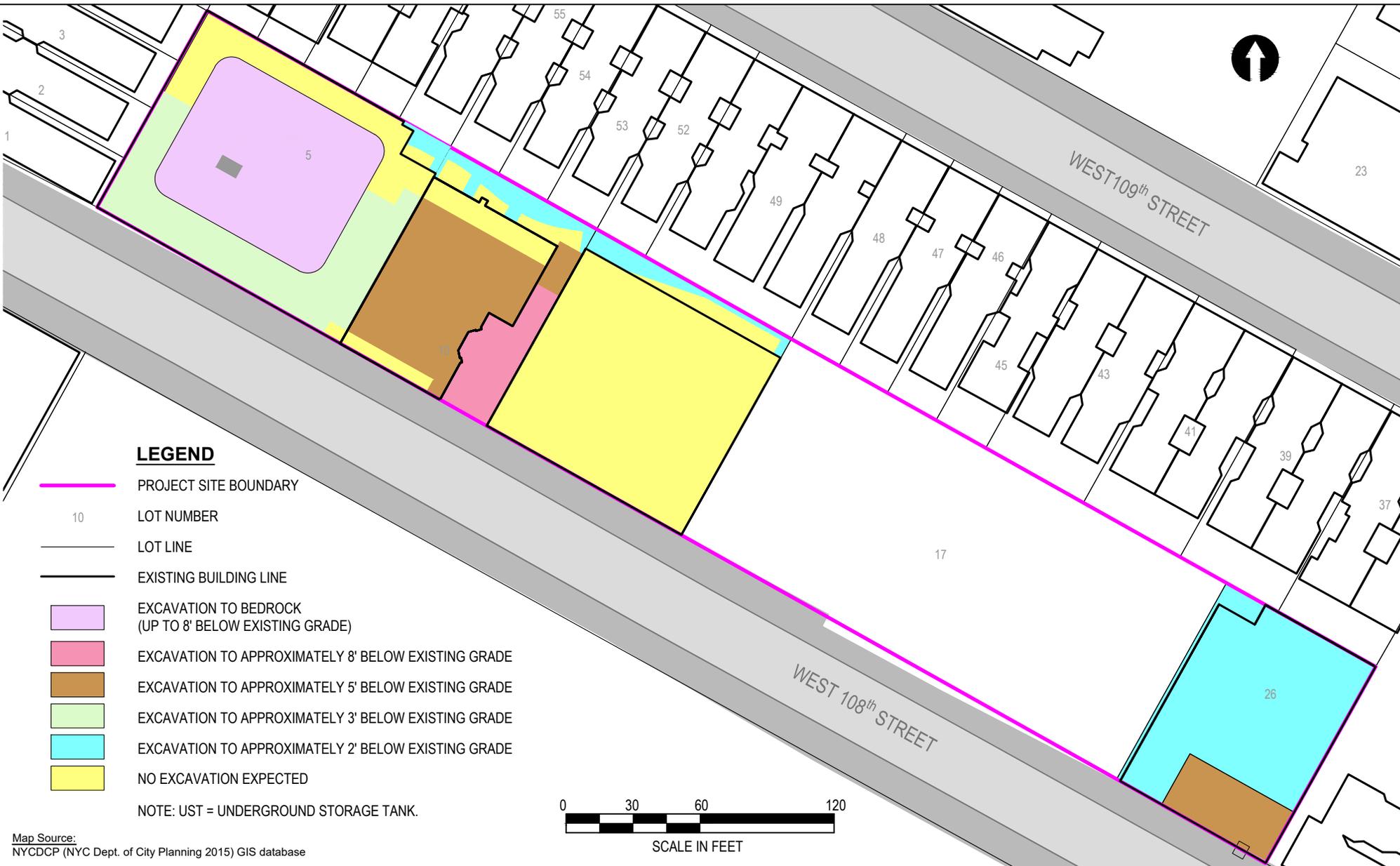
**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SOIL VAPOR AND AMBIENT AIR DETECTIONS**

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DATE <b>5/12/2017</b>
PROJECT NO. <b>170060</b>
FIGURE <b>6</b>

©2017 AKRF, Inc. W:\Projects\170060 - WFSSSH WEST 108TH STREET\Technical\Hazmat\CAD\170060 Fig 7 Site Excavation.dwg last save: mveilleux 10/10/2017 11:27 AM



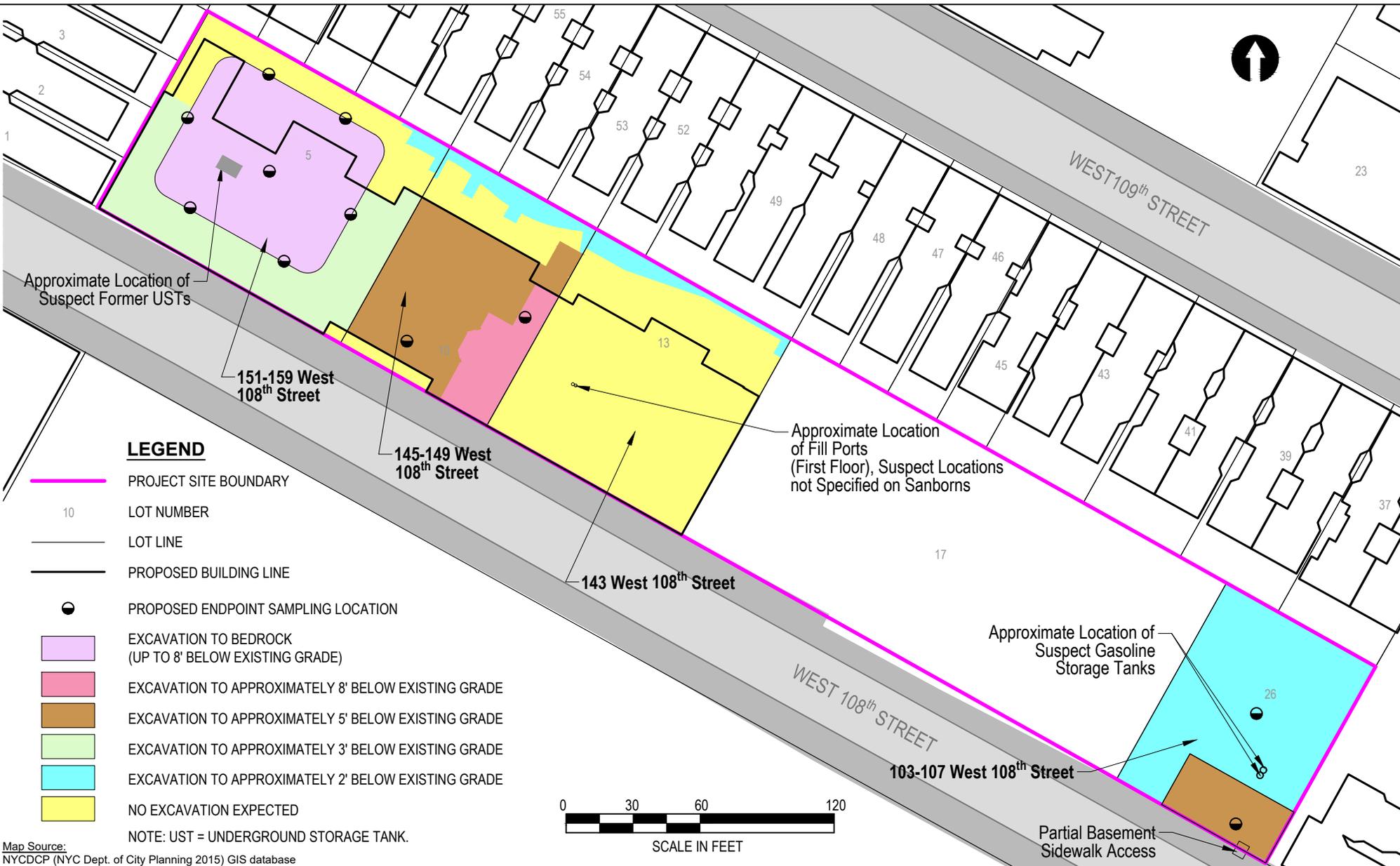
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**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**SITE EXCAVATION PLAN**

DATE <b>10/10/2017</b>
PROJECT NO. <b>170060</b>
FIGURE <b>7</b>

©2017 AKRF, Inc. W:\Projects\170060 - WFSSSH WEST 108TH STREET\Technical\Hazmat\CAD\170060 Fig 8 Endpoint Sampling Locs.dwg  
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440 Park Avenue South, New York, NY 10016

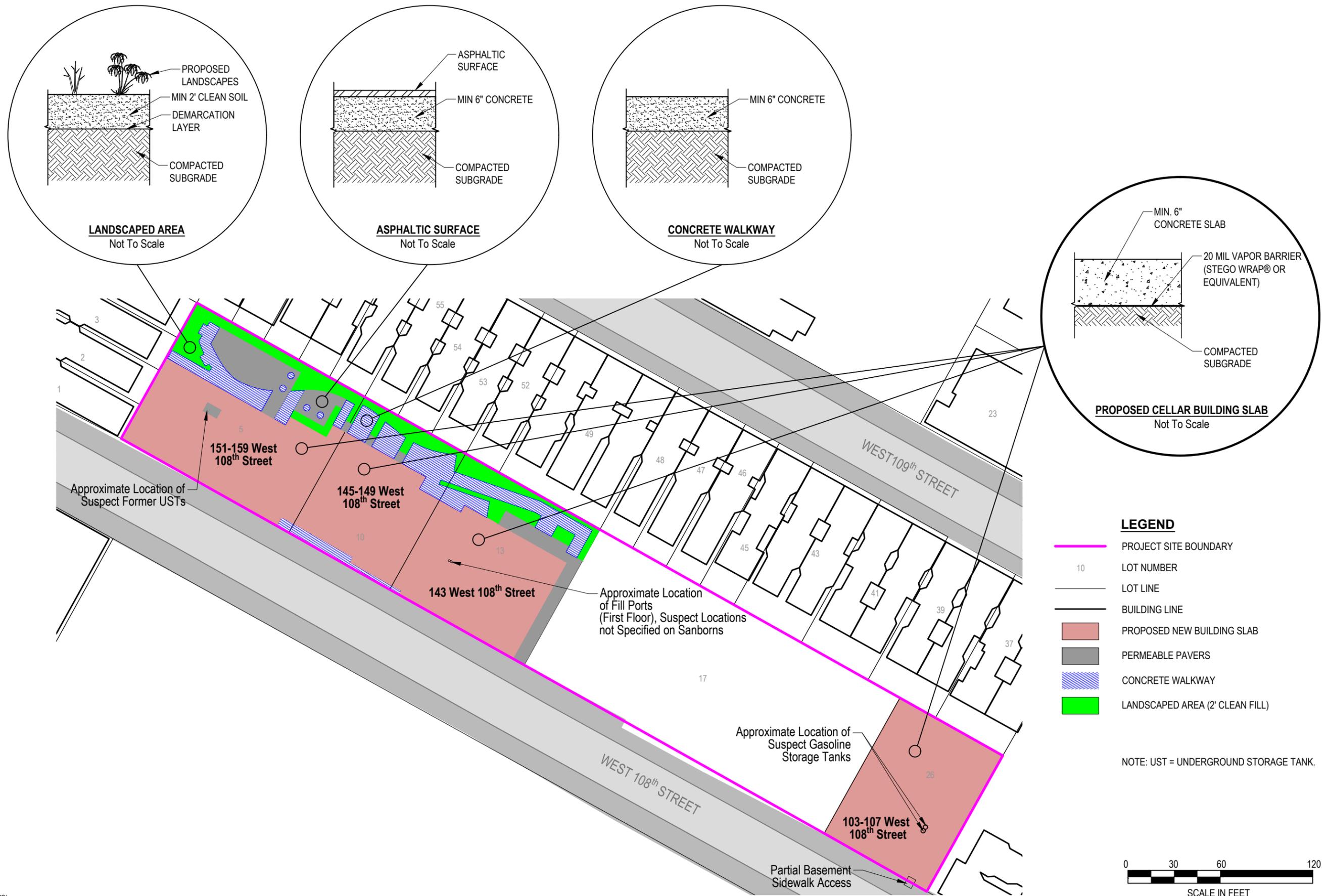
**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**PROPOSED ENDPOINT SAMPLING LOCATIONS**

DATE	<b>10/10/2017</b>
PROJECT NO.	<b>170060</b>
FIGURE	<b>8</b>

©2017 AKRF, Inc. W:\Projects\170060 - WSFSSH WEST 108TH STREET\Technical\Hazmat\CAD\170060 Fig 9 Site Cover.dwg last save: mvelieux 10/9/2017 1:21 PM

Map Source:  
NYCDOP (NYC Dept. of City Planning 2015) GIS database

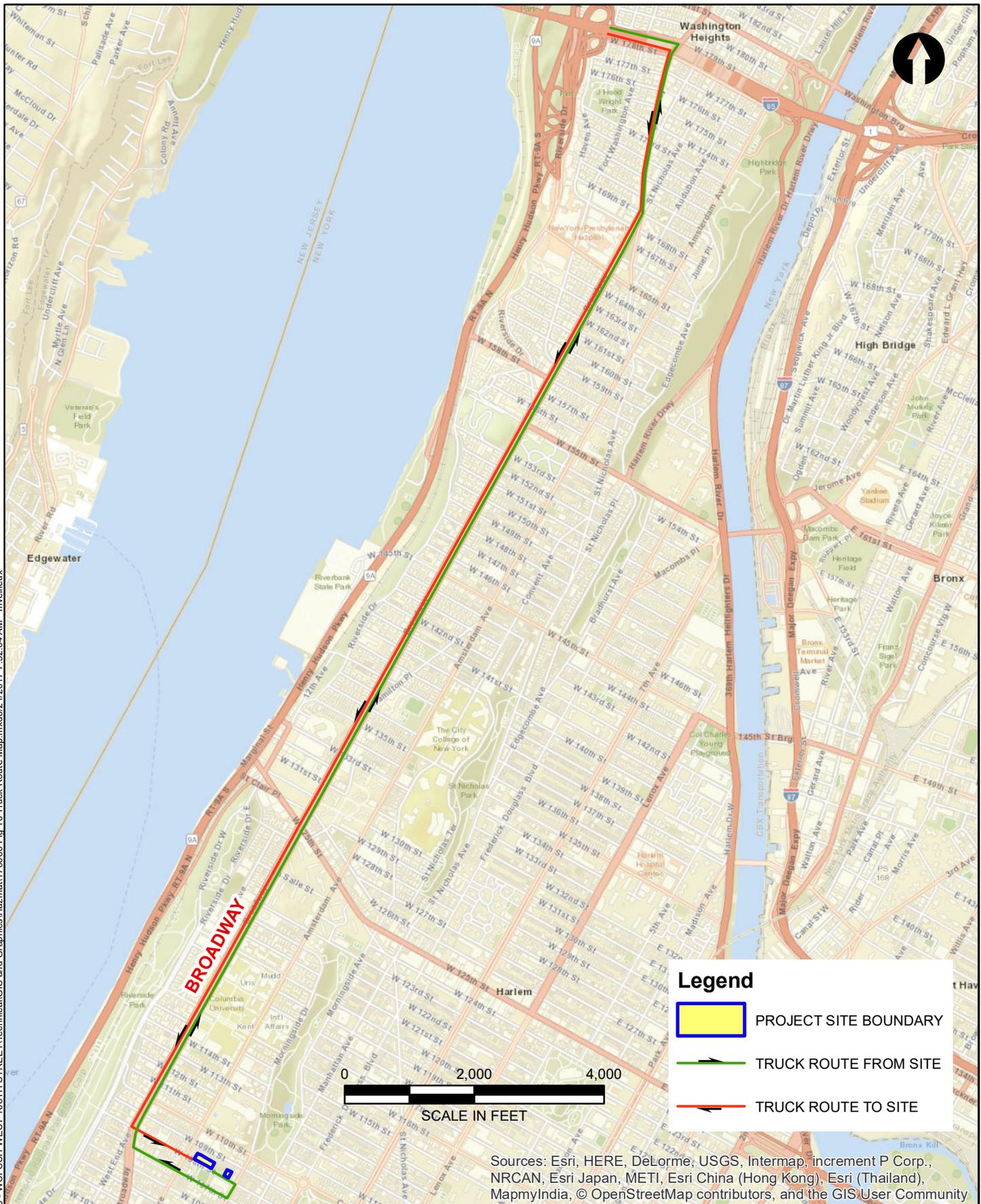


**LEGEND**

- PROJECT SITE BOUNDARY
- LOT NUMBER
- LOT LINE
- BUILDING LINE
- PROPOSED NEW BUILDING SLAB
- PERMEABLE PAVERS
- CONCRETE WALKWAY
- LANDSCAPED AREA (2' CLEAN FILL)

NOTE: UST = UNDERGROUND STORAGE TANK.





Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



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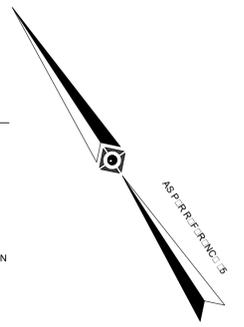
**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**TRUCK ROUTE MAP**

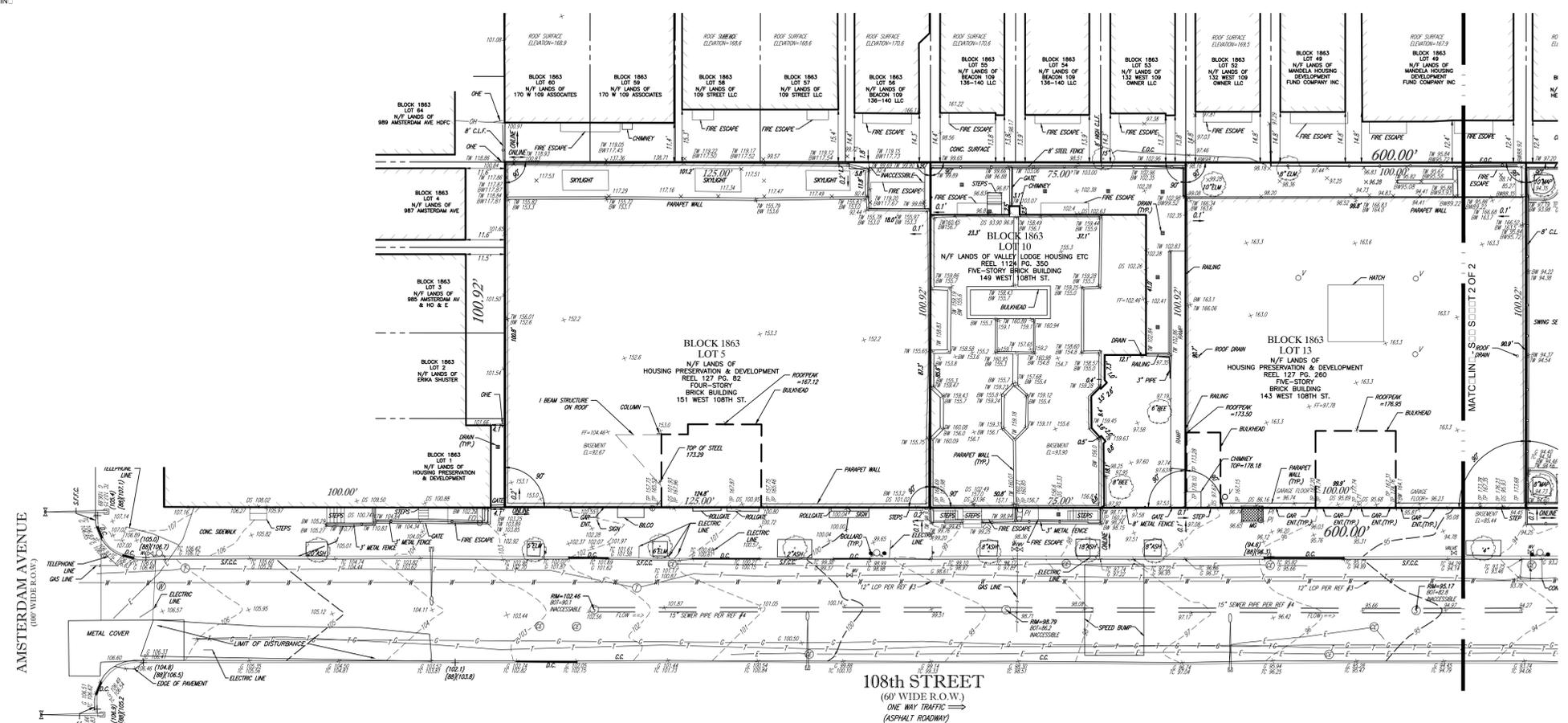
DATE	<b>6/21/2017</b>
PROJECT NO.	<b>170060</b>
FIGURE	<b>10</b>

**APPENDIX A**  
**PROPOSED REDEVELOPMENT PLANS**

- LEGEND**
- 124 --- EXISTING CONTOUR
  - 125 --- EXISTING SPOT ELEVATION
  - X 123.45 --- EXIST. TOP OF CURB ELEVATION
  - X G 122.95 --- EXIST. GUTTER ELEVATION
  - X W 123.45 --- EXIST. TOP OF WALL ELEVATION
  - X BW 122.95 --- EXIST. BOTTOM OF WALL ELEVATION
  - X TP 122.95 --- EXIST. TOP OF PARAPET WALL ELEVATION
  - X FF 123.45 --- EXIST. FINISHED FLOOR ELEVATION
  - X DS 123.45 --- EXIST. DOOR SILL ELEVATION
  - X (88-125.45) --- EXIST. GRADE ELEVATION (P.R.R.F. 4) CONV. RT. D TO NAVD 88 DATUM
  - X (125.45) --- EXIST. GRADE ELEVATION (P.R.R.F. 4)
  - 2.6 --- EXISTING SPOT ELEVATION P.R.R.F. 9
  - G --- APPROX. LOC. AND RGRO. ND GAS LINE
  - E --- APPROX. LOC. AND RGRO. ND ELEC. LINE
  - S --- APPROX. LOC. AND RGRO. ND SAN. LINE
  - T --- APPROX. LOC. AND RGRO. ND TEL. LINE
  - W --- APPROX. LOC. AND RGRO. ND WATER LINE
  - D --- PRESS. D CURB
  - --- HYDRANT
  - WV --- WATER VALVE
  - PI --- POINT INDICATOR VALVE
  - --- KNOWN VALVE
  - --- GAS VALVE
  - DMH --- DRAINAGE/STORM MANHOLE
  - SMH --- SANITARY/S.W.R. MANHOLE
  - TMH --- TELEPHONE MANHOLE
  - EMH --- ELECTRIC MANHOLE
  - MH --- KNOWN MANHOLE
  - WMH --- WATER MANHOLE
  - RES --- R.C.S.S.
  - INV --- INVERT
  - P --- POST
  - PIP --- PIPE
  - V --- VENT OR NUMBER OF VENTS
  - C --- CONDIT. PIPE
  - FO --- FUEL OIL FILL CAP
  - --- UTILITY POLE
  - --- UTILITY POLE/OUTLET POLE
  - SIGN
  - --- BOLLARD
  - METAL GUIDE RAIL
  - ⇒ --- FLOW DIRECTION
  - D.C. --- D.P.R.E.S.S. D CURB
  - E.O.C. --- EDGE OF CONC.
  - MC --- METAL COVER
  - (TYP.) --- TYPICAL
  - D.W.P. --- DUCTIBLE WARNING PAD
  - BLDG. --- BUILDING
  - --- MANHOLE GRATE
  - --- DRAIN
  - --- ROOF DRAIN
  - --- SYCAMOR TREE
  - ASH --- ASH TREE
  - MAP --- MAPLE TREE
  - ORN --- ORNAMENTAL TREE
  - CHE --- CHERRY TREE
  - ELM --- ELM TREE
  - BEE --- BEECH TREE
  - TUL --- TULIP TREE
  - N.V.P. --- NOT VISIBLE PIPE
  - OHE --- OVERHEAD ELECTRIC
  - C.L.F. --- CHAIN LINK FENCE
  - S.F.C.C. --- STREET FACE CONCRETE CURB
  - C.C. --- CONCRETE CURB
  - --- METAL GRATE
  - --- CATCO BASIN
  - --- BIN
  - MC --- METAL COVER
  - 90' --- BUILDING DIMENSIONS
  - S.F.C.C. --- STREET FACE CONCRETE CURB
  - C.C. --- CONCRETE CURB
  - E.O.P. --- EDGE OF PAV. MENT



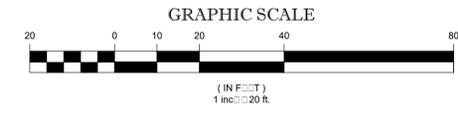
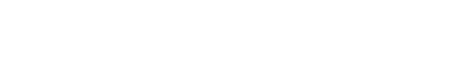
VICINITY MAP



**108th STREET**  
(60' WIDE R.O.W.)  
ONE WAY TRAFFIC  
(ASPHALT ROADWAY)

- NOTES:**
- PROPERTY SHOWN AS LOT 5:10:13:17 26/BLOCK 1863 AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, COUNTY OF NEW YORK.
  - AREA = 60,552 SQUARE FEET OR 1.3905 ACRES (LOT 5= 12,615 SQ FT, LOT 10= 7,569 SQ FT, LOT 13= 10,092 SQ FT, LOT 17= 22,707 SQ FT AND LOT 26= 7,569 SQ FT).
  - LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARKINGS ABOVE GROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE IN THE FIELD AND THE MAPS AS LISTED IN THE REFERENCE AVAILABLE AT THE TIME OF THIS SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKINGS DO NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BE FORE ANY CAUTION IS TO BE GIVEN ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPERTY UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL UNDERGROUND UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
  - THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREIN.
  - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
  - BY GRATIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE (AS AS DETERMINED TO BE Q-TS) TO THE 0.2% ANNUAL CHANCE FLOODPLAIN PER F.F. 02.
  - ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) WHICH IS 1.68 FEET BELOW THE BOROUGH OF MANHATTAN HIGH WATER ELEVATIONS ARE BASED UPON R.F. BM 7268 @ ELEV. 105.82 (BOROUGH OF MANHATTAN HIGH WATER DATUM) REPORTED TO BE 1.68 FEET ABOVE MEAN SEA LEVEL AT SANDY HOOK (NGVD 1929) CONVERTED TO NAVD 88 VIA VERTICAL CONVERSION.
  - TO CONVERT TO BOROUGH OF MANHATTAN HIGH WATER DATUMS SUBTRACT 1.68 FEET FROM THE ELEVATIONS LISTED TO CONVERT TO NGVD 1929 ADD 1.07 FEET TO THE ELEVATIONS LISTED.
  - THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE. FINISH PERMANENT ADDITION.
  - THE WORKER IS TO BE AWARE OF NATURAL STRAINS OR WATER COURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
  - THE EXISTENCE OF UNDERGROUND STORAGE TANKS/STANS IF ANY WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
  - DO NOT SOLICIT CONCERNS CONCERNING NO LONGER PROVIDED MAPPING OF UNDERGROUND ELECTRIC AND GAS LINES.

- REFERENCES:**
- THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, COUNTY OF NEW YORK.
  - MAP ENTITLED "NATIONAL FLOOD HAZARD PROGRAM FIRM FLOOD HAZARD RISK MAP CITY OF NEW YORK" NEW YORK BOROUGH OF MANHATTAN, COUNTY OF NEW YORK, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT, COMMUNITY PLANNING NUMBER 360497 0087 FIRM REVISION: SUPPLEMENT 5:2007.
  - WATER FACILITY MAPPING PROVIDED BY NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS.
  - SANITARY SEWER FACILITY MAPPING PROVIDED BY NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS.
  - SECTION MAP NUMBER 94 PROVIDED BY THE CITY OF NEW YORK, PRESENTED TO THE BOROUGH OF MANHATTAN TOPOGRAPHICAL BUREAU.



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**VINCENT E. ZAKRZEWSKI**  
NEW YORK PROFESSIONAL LAND SURVEYOR 050351

DATE

1	ADD. ADDITIONAL TOPO	WR/AL	S/D	V	05-16-2016
No.	DESCRIPTION OF REVISION	FIELD CR. W.	DRAWN	APPROV. D.	DATE
FIELD DATE: 11/03-11/20/15 BOUNDARY & TOPOGRAPHIC SURVEY WFSSSH WEST 108th ST LOT 5:10:13:17 26/BLOCK 1863 BOROUGH OF MANHATTAN CITY OF NEW YORK COUNTY AND STATE OF NEW YORK FIELD BOOK NO: 15-41 FIELD BOOK PG: 46-56 FIELD CR. W: WR/TC DRAWN: D.C. R.V.I. W.D.: C.M.T. APPROV. D.: V.D. DATE: 12.11.2015 SCALE: 1"=20' FILE NO.: 04-150112 DWG. NO.: 1 OF 2					

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**UTILITY COMPANY**

AT&T CORPORATION (800)753-3145  
 CABLEVISION OR NEW YORK CITY CONSOLIDATED DIVISION CO. OF NY (718)472-2304  
 COLUMBIA UNIVERSITY (212)854-2652  
 EMPRISE CITY SERVICES/ATTN (212)519-4934  
 ELECTRIC SYSTEMS (800)262-8600  
 CROWN CASTLE (724)416-2973  
 (718)472-2304  
 RCN (212)379-4140

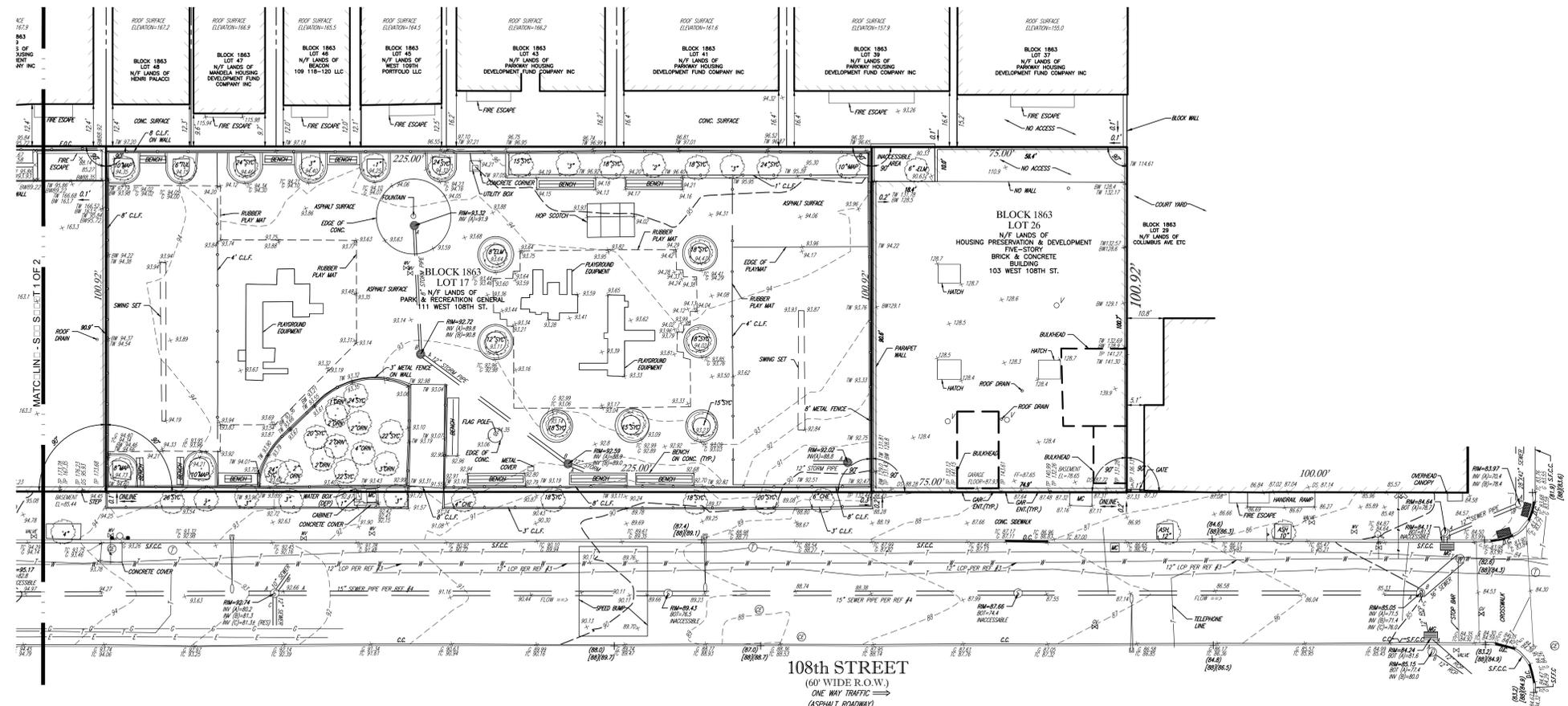
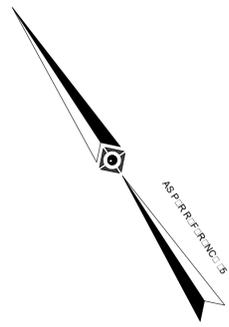
**PHONE NUMBER**

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 (212)519-4934  
 (800)262-8600  
 (724)416-2973  
 (718)472-2304  
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**TIME WARNER CABLE - MANHATTAN**



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SEE SHEET 1 OF 2 FOR NOTES & LEGEND

COLUMBUS AVENUE  
(100' WIDE R.O.W.)

108th STREET  
(60' WIDE R.O.W.)  
ONE WAY TRAFFIC  
(ASPHALT ROADWAY)

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VINCENT E. ZAKRZEWSKI  
NEW YORK PROFESSIONAL LAND SURVEYOR 050351

DATE

FILED DATE: 11/03 - 11/20/15	BOUNDARY & TOPOGRAPHIC SURVEY	
FIELD BOOK NO: 15-41	WSFSSH	
FIELD BOOK PG: 46-56	LOT 5:10.13:17 26/BLOCK 1863 BOROUGH OF MANHATTAN CITY OF NEW YORK COUNTY AND STATE OF NEW YORK	
FILED CR-W WR/TC	CONTROL POINT ASSOCIATES, INC.	
DRAWN: D.C.	14 PENN PLAZA, 225 WEST 34TH STREET NEW YORK, NY 10122 646.780.0411 - 908.668.9595 FAX	
R.V.I.W.D. C.M.T	APPROVED: V.C.	DATE: 12.11.2015
SCALE: 1"=20'	FILE NO: 04-150112	DWG. NO: 2 OF 2

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# West 108th Street Development

West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

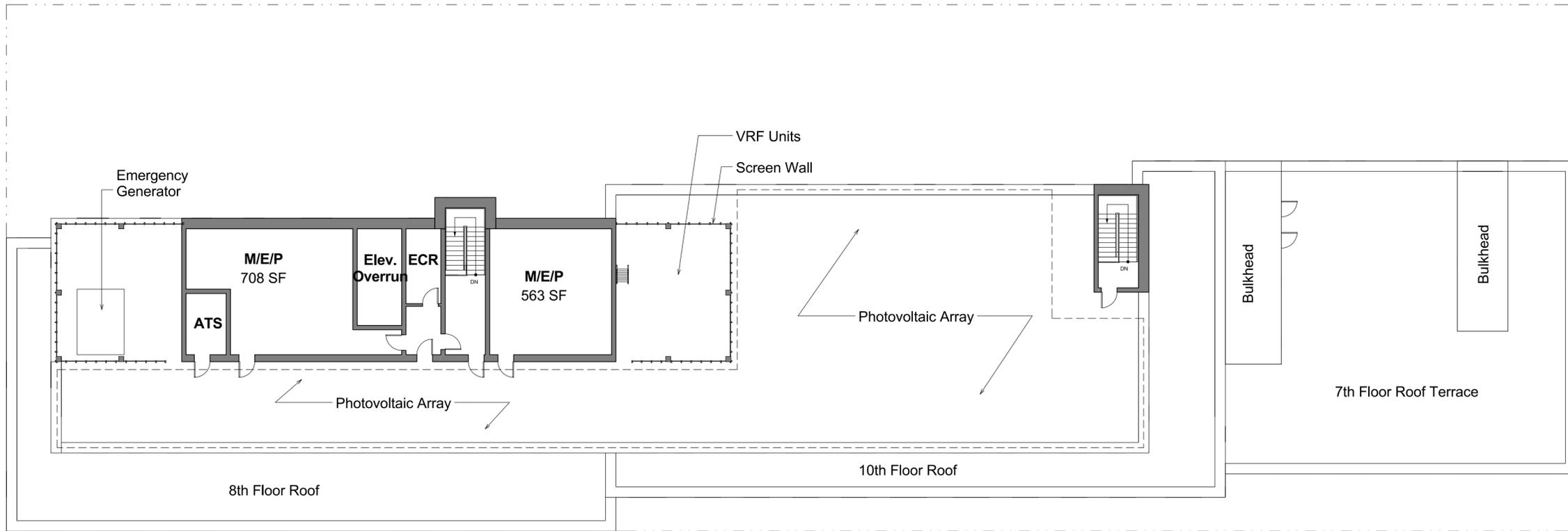
**DattnerArchitects** 1385 Broadway, 15th Floor  
New York, NY 10018  
Tel 212 247 2660  
www.dattner.com

Structural Engineer  
**Rodney D. Gible Consulting Engineers**  
18 West 21st Street, 2nd Floor  
New York, NY 10011

Mechanical/Electrical/Plumbing Engineer  
**Dagher Engineering, PLLC**  
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New York, NY 10008

Landscape Architect  
**Weintraub Diaz Landscape Architecture**  
18 New Street  
Nyack, NY 10960

Food Service Consultant  
**Hicks Design Group**  
202 West 40th Street  
New York, NY 10018

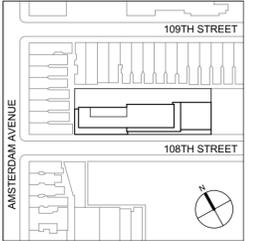


① Floor Plan - Bulkhead  
1/8" = 1'-0"



Revisions

Issue: REVISED SCHEMATIC DESIGN | 11/22/2016



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## Floor Plan - Bulkhead

Date: 06/08/2016

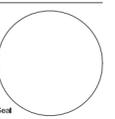
Scale: 1/8" = 1'-0"

Drawn By: KS/VA

Checked By: MMWS

Project No.: 1535

Sheet No.:



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West 108th Street  
Development

West Side Federation for  
Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

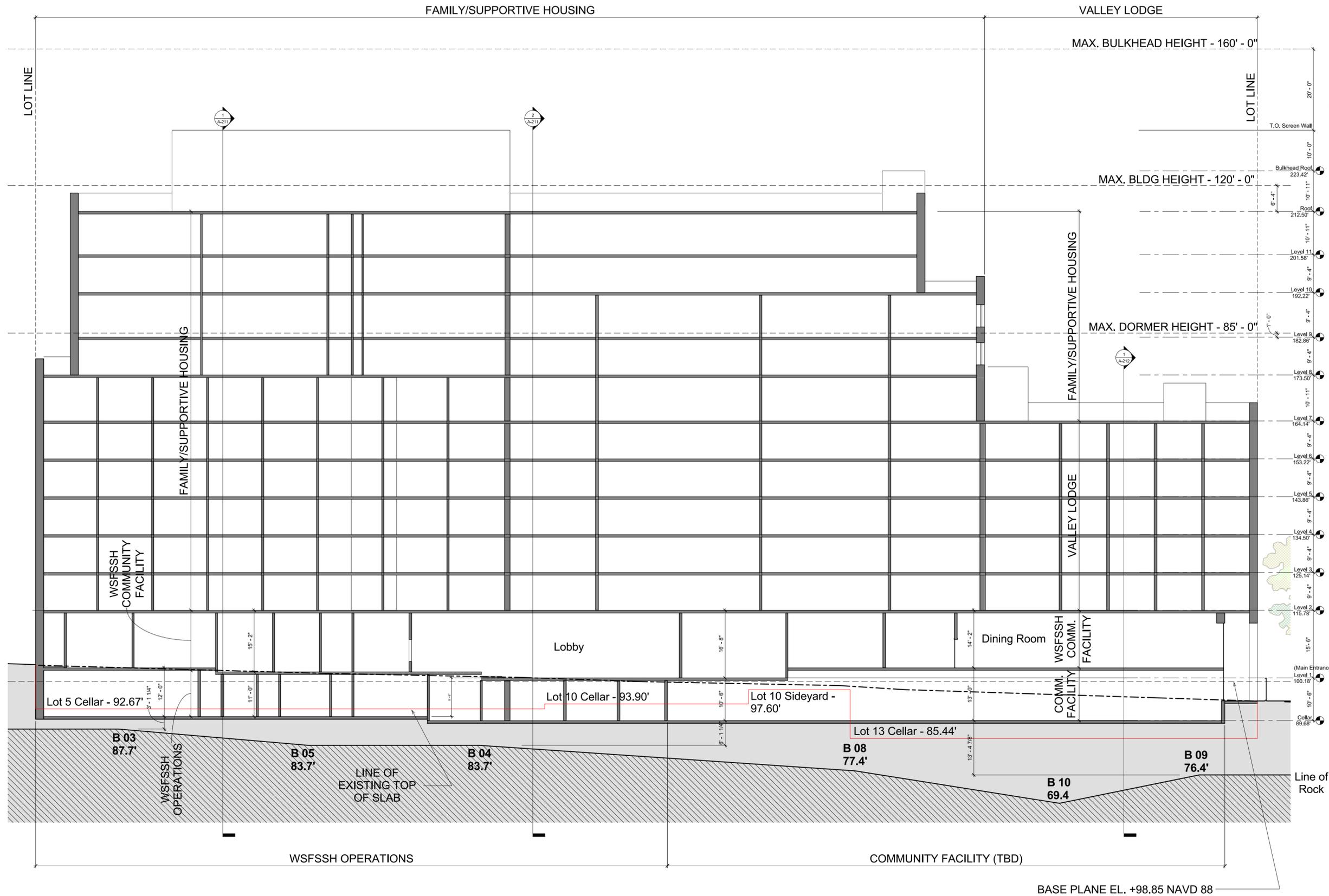
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New York, NY 10018  
Tel 212 247 2660  
www.dattner.com

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Rodney D. Gible Consulting Engineers  
18 West 21st Street, 3rd Floor  
New York, NY 10011

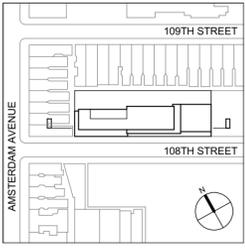
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New York, NY 10008

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Weintraub Diaz Landscape Architecture  
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Nyack, NY 10960

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Hicks Design Group  
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New York, NY 10018



Revisions  
Issue: REVISD SCHEMATIC DESIGN | 11/22/2016



Key Plan  
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Longitudinal Section

Date: 06/08/2016  
Scale: 1/8" = 1'-0"  
Drawn By: KS/VA  
Checked By: IMWS  
Project No.: 1535  
Sheet No.: 32 of 32

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1 Longitudinal Section  
1/8" = 1'-0"



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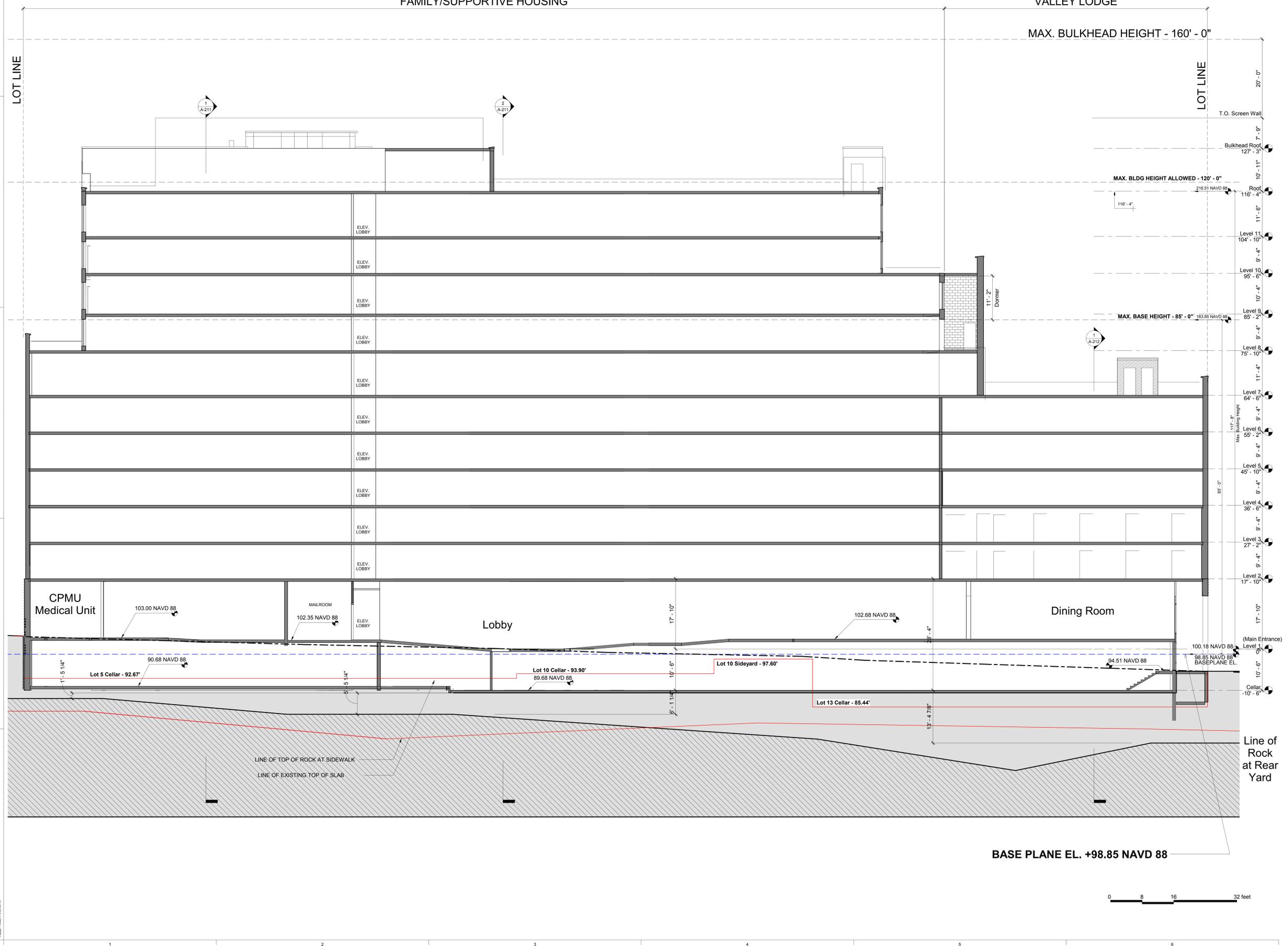




FAMILY/SUPPORTIVE HOUSING

VALLEY LODGE

MAX. BULKHEAD HEIGHT - 160' - 0"



West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

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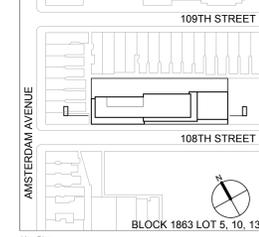
Mechanical/Electrical/Plumbing Engineer  
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Revisions

Issue: Design Development



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Longitudinal Section

Date	1/19/17
Scale	1/8" = 1'-0"
Drawn By	KS/VA
Checked By	IM/WS
Project No.	1535 Seal
Sheet No.	A-210.00



BASE PLANE EL. +98.85 NAVD 88

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A. LANDSCAPE GENERAL NOTES

1. A. DO NOT SCALE DRAWINGS. CONSULT THE LANDSCAPE ARCHITECT FOR ANSWERS TO ALL QUESTIONS REGARDING DIMENSIONS. THE CONTRACTOR IS ADVISED THAT THIS INFORMATION IS DIAGNOSTIC AND NOT NECESSARILY COMPLETE.

B. THE CONTRACTOR IS ADVISED THAT ALL UTILITY INFORMATION INDICATED HEREIN AND/OR AVAILABLE FROM AGENCIES, PRIVATE UTILITIES AND/OR THE OWNER MAY NOT BE COMPLETE.

2. A. EXISTING CONDITIONS HAVE BEEN PROVIDED BY DATNER ARCHITECTS, 1385 BROADWAY, 15TH FLOOR, NEW YORK, NY 10018

B. ALL EXISTING CONDITIONS INFORMATION SHOWN IS FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS. THE ARCHITECT/LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE SURVEY INFORMATION SHOWN.

3. PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL VERIFY STATUS OF EXISTING UTILITIES WITHIN THE PROJECT AREA AS REQUIRED BY LOCAL LAW. ALL COMMUNICATIONS AND COORDINATION MEETINGS RELATIVE TO THE PROJECT BETWEEN THE CONTRACTOR AND ANY AGENCY, UTILITY COMPANY OR ORGANIZATION WILL BE CONDUCTED AND/OR APPROVED BY WFSSSH. THE CONTRACTOR SHALL RECEIVE NOTIFICATION OF ANY MEETINGS AND COPIES OF ANY AND ALL MINUTES OR COMMUNICATIONS AS A RESULT OF THESE COMMUNICATIONS OR COORDINATION MEETINGS.

4. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH WFSSSH AND PRIVATE UTILITY COMPANIES AND THE CITY AGENCIES AS REQUIRED FOR THE EXPEDITIOUS EXECUTION OF WORK.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH ALL THE EXISTING FIELD CONDITIONS ADJACENT TO THE SITE INCLUDING BUT NOT LIMITED TO ALL STRUCTURES, UTILITIES, FENCES, PAVEMENTS, ETC. THROUGHOUT THE DURATION OF THE WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ALL EXISTING CONDITIONS ADJACENT TO THE SITE, OR AS INDICATED ON CONTRACT DRAWINGS. IN THE EVENT THE CONTRACTOR'S OPERATIONS RESULT IN DAMAGE TO EXISTING CONDITIONS ADJACENT TO THE SITE OR CONDITIONS INDICATED TO REMAIN ON CONTRACT DRAWINGS, THE CONTRACTOR SHALL REPAIR AND CORRECT ALL DAMAGES TO THE SATISFACTION OF WFSSSH AT NO EXTRA COST.

6. CHANGES IN THE WORK: ALL REQUESTS FOR CHANGES AND/OR SUBSTITUTIONS IN THE WORK SHALL BE MADE IN WRITING TO THE LANDSCAPE ARCHITECT. A COPY OF ALL SUCH REQUESTS SHALL BE SENT TO WFSSSH.

7. THE CONTRACTOR SHALL STUDY THE INTERRELATIONSHIP OF ALL THE VARIOUS ELEMENTS OF CONSTRUCTION SHOWN ON THE CONTRACT DRAWINGS AND DESCRIBED IN THE PROJECT SPECIFICATIONS AND BULLETINS, AND SHALL COORDINATE HIS CONSTRUCTION OPERATIONS ACCORDINGLY. ANY CONFLICTS WHICH MAY BECOME APPARENT FROM THE COORDINATION STUDY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

8. ALL NEW AND EXISTING INLETS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT ARE TO BE CLEANED, FLUSHED, AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF WFSSSH AND ARE TO BE INCLUDED IN LUMP-SUM BID.

9. PRIOR TO COMMENCEMENT OF THE WORK, THE CONTRACTOR SHALL BRING CONDITIONS WHICH CONFLICT WITH PROPOSED SITE CONSTRUCTION TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND WFSSSH.

10. ANY COST CAUSED BY DEFECTIVE OR ILL-TIMED WORK, IMPROPER SCHEDULING OR DELINQUENT ORDERING SHALL BE BORNE BY THE CONTRACTOR.

11. ALL CITY AGENCIES HAVING JURISDICTION, NAMELY, DEPARTMENT OF BUILDINGS AND APPROVALS OF OTHERS REQUIRED, AS WELL AS PRIVATE UTILITY COMPANIES MUST BE OBTAINED PRIOR TO ACCEPTANCE OF THE PROJECT BY WFSSSH.

12. ALL MECHANICAL EQUIPMENT, CONCEALED WATER AND GAS VALVES, ETC., TO REMAIN UNLESS OTHERWISE SPECIFICALLY NOTED.

13. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.

14. AT ALL TIMES, THE SITE SHALL BE KEPT NEAT AND KEPT FREE OF DEBRIS LEFT FROM ALL CONSTRUCTION OPERATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE AND PROTECT ALL WORK FINISHED OR IN PROGRESS, AND TO PROTECT THE PUBLIC FROM ANY INJURY THAT MAY OCCUR AS A RESULT OF THE SITE BEING ACCESSIBLE DURING PROJECT CONSTRUCTION.

15. UNLESS OTHERWISE NOTED, DETAILED DRAWINGS AND PART PLANS SHALL HAVE PRECEDENCE OVER LAYOUT DRAWINGS (I.E. SITE PLAN) FOR ACCURACY OF INFORMATION.

16. SUBMITTALS A. ALL SUBMITTALS REQUIRING THE LANDSCAPE ARCHITECT'S APPROVAL SHALL BE TRANSMITTED (5 COPIES ARE REQUIRED) DIRECTLY TO THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED ELEMENTS. SUBMITTAL REQUIREMENTS ARE GENERALLY INDICATED IN THE GENERAL SPECIFICATIONS.

17. THE SHOP DRAWINGS SUBMITTED BY THE CONTRACTOR SHALL SHOW ALL FASTENING DEVICES AND LOCATIONS COMPLETE WITH FASTENINGS TO ALL FOUNDATION WALLS AND PAVEMENTS. THE SHOP DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO ALLOW THE LANDSCAPE ARCHITECT TO REVIEW AND APPROVE THE SYSTEM AND PIECES.

18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO GUARANTEE ANY AND ALL ANCHORING SYSTEMS FOR ALL WORK.

19. EXPANSION JOINTS SHALL BE PROVIDED AND INSTALLED AT ALL INTERFACES OF ADJACENT SURFACES, VERTICAL AND HORIZONTAL SURFACES, GRADE CHANGES, AND AS INDICATED ON DRAWINGS. ALL EXPANSION JOINTS SHALL BE CALKED TO A MINIMUM OF 1/2 INCH BELOW FINISHED GRADE. THE CONTRACTOR SHALL INDICATE PROPOSED LOCATIONS ON ALL APPLICABLE SHOP DRAWINGS SUBMITTED FOR APPROVAL.

20. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE ACCESS TO ALL BUILDING ENTRANCES AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

21. PAVEMENT SYSTEM SHALL MEET (ADJACENT) ALTERNATE MATERIAL PAVEMENTS FLUSH. THE CONTRACTOR SHALL VERIFY THE EXISTING GRADES AND THEIR RELATIONSHIP WITH THE PROPOSED GRADES. WFSSSH SHALL BE NOTIFIED IF THERE ARE ANY DISCREPANCIES IN THE ELEVATIONS. ADJUSTMENTS SHALL BE MADE AS NECESSARY AND SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.

22. EXISTING DRAINS/WALK COVERS, ETC. SHALL BE ADJUSTED AS NECESSARY IN AREAS WHERE PROPOSED WORK ARE TO BE INSTALLED.

23. CONCRETE CURBS/FOOTINGS FOR ALL FENCING AND WALLS SHALL BROGE OVER ANY EXISTING DRAIN INLETS AND UTILITIES AND SHALL BE BROUGHT TO THE ATTENTION OF WFSSSH AND THE LANDSCAPE ARCHITECT.

24. CONTRACTOR SHALL SUPPLY WFSSSH WITH MANUFACTURER'S SHOP DRAWINGS AND INSTALLATION DRAWINGS PRIOR TO THE INSTALLATION OF ANY SPECIFIED ITEM.

25. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEPARTMENT OF BUILDINGS PERMITS FOR ANY WORK UNDER THIS CONTRACT.

B. DEMOLITION AND REMOVALS 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN THE EXISTING CONDITIONS AND THE LANDSCAPE PLAN IN PREPARING BIDS AND EXECUTING WORK.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE AND PROTECT ALL EXISTING FACILITIES NOT SPECIFICALLY STATED FOR REMOVAL WITHIN THE WORK AREA.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY ELEVATIONS OF ALL UTILITY/MECHANICAL STRUCTURES, AND UTILITY LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE UTILITY/MECHANICAL LINES AND CONDUITS/PIPES DURING REMOVALS AND CONSTRUCTION. DAMAGE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE SUBJECT TO LANDSCAPE ARCHITECT AND WFSSSH.

4. THE CONTRACTOR SHALL, AS PART OF HIS CONTRACTUAL OBLIGATIONS, REMOVE AS DIRECTED, ALL BALLAST AGGREGATE AND OTHER ENCROACHMENTS THAT INTERFERE WITH LANDSCAPE WORK.

5. ALL REMOVED MATERIAL NOT STATED FOR REUSE SHALL BE REMOVED FROM THE SITE AND SHALL NOT BE MIXED WITH NEW FILL OR GRAVEL TO BE BROUGHT ON SITE.

6. REMOVE ALL EXISTING RUBBLE, DEBRIS, AND ENCROACHMENT FROM THE SITE AND DISPOSE OF LEGALLY. EVIDENCE OF LEGAL DISPOSAL SHALL BE GIVEN BY THE CONTRACTOR TO LANDSCAPE ARCHITECT AND THE WFSSSH APPROVAL.

7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AS PART OF THIS CONTRACT TO DETERMINE THE MOST APPROPRIATE METHOD OF REMOVALS OF EXCAVATED AND/OR DEMOLITION MATERIALS FROM THE SITE WITHIN THE CONTRACT LIMIT. REMOVALS, WHETHER BY MACHINE OR BY HAND, SHALL BE INCLUDED IN THE CONTRACTOR'S PROPOSAL. STRIP EXISTING BALLAST AGGREGATE IN AREAS OF CONSTRUCTION AND STOCKPILE FOR FUTURE RE-USE, AS MAY BE REQUIRED, AND IF APPROVED BY LANDSCAPE ARCHITECT.

8. SPICES, ANCHORAGES, HOOKS AND

C. WATER SUPPLY/MAINTENANCE WORK 1. THE CONTRACTOR SHALL LOCATE ALL EXISTING VALVE BOXES WITHIN THE CONTRACT LIMIT LINES AND SHALL INDICATE THEM IN THE FIELD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT. FURTHERMORE, THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE RESPONSIBLE FOR THE REPAIRMENT AND RESETING OF ALL VALVE BOXES NOT STATED FOR REMOVAL WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF HIS OPERATIONS, OR AS REQUIRED BY THE NEW WORK, SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT.

2. ALL EXISTING DRAIN AND WATER SUPPLY CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING CONSTRUCTION OF ANY WATER LINES. IF ANY HOUSE CONNECTION MUST BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW MUST BE MAINTAINED BY PLUMBING OR OTHER SUITABLE MEANS AS DIRECTED BY THE LANDSCAPE ARCHITECT, AND IN SUCH A MANNER THAT NO BACK-UPLS OCCUR. ANY AND ALL EXISTING HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO REMAIN AND WHICH MUST BE DISTURBED FOR CONSTRUCTION PURPOSES SHALL BE RESTORED TO THEIR PRESENT CONNECTIONS AFTER COMPLETION OF THE WORK SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT AND THE WFSSSH. ANY DAMAGE DONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO COST TO WFSSSH.

3. CONTRACTOR SHALL PROVIDE AN IRRIGATION SYSTEM INCLUSIVE OF ALL REQUIRED COMPONENTS AND INSTALLATION FOR A FULLY FUNCTIONAL AUTOMATIC IRRIGATION SYSTEM AT ALL PLANTED AREAS, AND IN FREE STANDING PLANTERS, AND SHALL BE INCLUDED AS PART OF THE BASE BID.

D. DRAINAGE WORK 1. ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS OF THE DEPARTMENT OF BUILDINGS.

2. ALL AREA DRAINS WITHIN THE CONTRACT LIMITS SHALL BE ADJUSTED AS NECESSARY, SO THAT THEY WILL BE OPERATIONAL AND ACCESSIBLE.

3. ANY DAMAGE TO EXISTING AREA DRAINS, AND CONNECTIONS CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT NO COST TO WFSSSH, SUBJECT TO THE APPROVAL OF LANDSCAPE ARCHITECT AND WFSSSH.

4. ALL EXISTING AREA DRAINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS ARE TO BE CLEANED OUT, REPAIRED, AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

5. ALL CAST IN PLACE CONCRETE SHALL BE CONTROLLED CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.

6. ALL REINFORCING STEEL SHALL BE REFORMED NEW BULLET STEEL CONFORMING WITH THE REQUIREMENTS OF ASTM A615, GRADE 60, CURRENT EDITION.

7. SPICES FOR REINFORCING STEEL SHALL BE STAGGERED WHERE POSSIBLE AND LOCATED SO TO LEAST IMPAIR THE STRENGTH OF THE MEMBER.

8. SPICES, ANCHORAGES, HOOKS AND

REINFORCING DETAILS SHALL CONFORM WITH THE REQUIREMENTS OF ACI 318 UNLESS OTHERWISE NOTED.

9. ALL HARDWARE SHALL BE IN ACCORDANCE WITH ASTM STANDARDS.

10. ALL WELDING SHALL BE PERFORMED USING E7018 LOW HYDROGEN ELECTRODES IN ACCORDANCE WITH AMERICAN WELDING SOCIETY.

F. LIGHTING 1. REFER TO ARCHITECTURAL LIGHTING SPECIFICATIONS.

G. IRRIGATION 1. AN IRRIGATION SYSTEM INCLUSIVE OF ALL REQUIRED COMPONENTS AND INSTALLATION FOR A FULLY FUNCTIONAL AUTOMATIC IRRIGATION SYSTEM AT ALL PLANTED AREAS SHALL BE INCLUDED AS PART OF THE BASE BID.

2. SYSTEM SHALL BE INSTALLED BY A WATER SENSE CERTIFIED PROFESSIONAL AND UTILIZE SMART IRRIGATION CONTROLS AND DESIGN.

3. SUBMIT SHOP DRAWING FOR APPROVAL.

RESPONSIBILITY CLAUSE PRIOR TO SUBMITTING A BID, EACH CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED WORK TO FULLY ACQUAINT HIMSELF WITH THE CONDITIONS AS THEY EXIST. HE SHALL ACCEPT THE CONDITIONS AS THEY EXIST. HE SHALL INCLUDE ALL WORK SHOWN, SPECIFIED AND IMPLIED IN THE DRAWINGS AND SPECIFICATIONS IN HIS BID TO DO A COMPLETE JOB TO THE SATISFACTION OF WFSSSH, 316 DOUGLAS STREET, 2ND FLOOR, BROOKLYN, NEW YORK 11217 (OWNER). OWNER DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LAYOUTS AND OTHER DATA SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS, LAYOUTS AND THE EXACT CONDITIONS OF THE SITE. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR THE PROPER PROTECTION OF EXISTING STRUCTURES, PARTICULARLY EXISTING MECHANICAL EQUIPMENT, BALLAST AGGREGATE, WALLS AND INSULATION WHICH ARE TO REMAIN DURING CONSTRUCTION AND FOR THE LIFE OF THE CONTRACT. ANY STRUCTURES FOUND TO BE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE DISCRETION OF THE OWNER'S INSPECTOR TO THE COMPLETE SATISFACTION OF THE OWNER AND AT THE CONTRACTOR'S SOLE EXPENSE.

ACI AMERICAN CONCRETE INSTITUTE ADA AMERICAN DISABILITIES ACT

ASTM AMERICAN SOCIETY FOR TESTING MATERIALS

BB BOTTOM OF BENCH

BC BOTTOM OF CURB

BFP BACK FLOW PREVENTION

BLDG BUILDING

BM BENCHMARK

BW BOTTOM OF WALL

CB CATCH BASIN

CL CENTER LINE

CLL CONTRACT LIMIT LINE

CONC CONCRETE

COND CONDITION

DET DETAIL

DIAG DIAGONAL

DIA DIAMETER

DN DOWN

DR DRAIN

DWG DRAWING(S)

EL ELEVATION

EQ EQUAL

EX EXISTING

EXP JT EXPANSION JOINT

EXIST EXISTING

EXP EXPANSION

FN FINISHED FLOOR

FT FOOT/FEET

GAL GALLON

GALV GALVANIZED

GLM GALLONS PER MINUTE

HP HIGH POINT

HT HEIGHT

JNT JOINT(S)

ID INSIDE DIAMETER

LBS/LF POUNDS PER LINEAL FOOT

LF LINEAR FOOT/FEET

MAX MAXIMUM

MH MAN HOLE

MIN MINIMUM

MET METAL

N NORTH

NO NUMBER

NIC NOT IN CONTRACT

NTS NOT TO SCALE

NYC NEW YORK CITY

OC ON CENTER

PMAT PAVEMENT

PROP PROPERTY

PSI POUNDS/SQ. IN.

QTY QUANTITY

RPZ REDUCED PRESSURE ZONE

REINF REINFORCED

SCH SCHEDULE

SQ SQUARE

STD STANDARD

STL STEEL

SYM SYMBOL

TB TOP OF BENCH

TC TOP OF CURB

TD TOP OF DRAIN

TE TOP OF EDGE

TS TOP OF SLAB

THK THICK

TF TOP OF FOOTING

TW TOP OF WALL

TYP TYPICAL

WWF WELDED WIRE FABRIC

W/ WITH

DRAWING LIST

- LA-001 GENERAL NOTES
LA-100 MATERIALS PLAN
LA-101 FENCING PLAN
LA-110 GRADING PLAN
LA-120 DIMENSION PLAN
LA-130 PLANTING PLAN & SCHEDULE
LA-200 LANDSCAPE SECTIONS
LA-300 LANDSCAPE DETAILS
LA-310 BENCH DETAILS
LA-320 FENCE DETAILS
LA-330 PLANTING DETAILS

WSFSS at West 108th Street

West Side Federation for Senior and Supportive Housing
2345 Broadway, New York, NY 10024

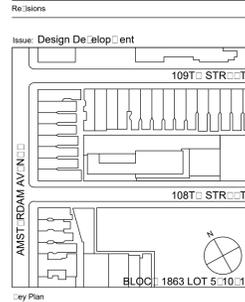
DatnerArchitects
1385 Broadway, 15th Floor, New York, NY 10018
Tel: 212.247.2690
www.datner.com

Structural Engineer
Rodney D. Gible Consulting Engineers
18 West 21st Street, 3rd Floor, New York, NY 10011

Mechanical/Electrical/Plumbing Engineer
Dagher Engineering, PLLC
29 Broadway, New York, NY 10006

Landscape Architect
Weintraub Diaz Landscape Architecture
19 West 1st Street, New York, NY 10006

Food Service Consultant
Hicks Design Group
202 West 4th Street, New York, NY 10018



General Notes
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Sheet No.: LA-001.00

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2345 Broadway  
New York, NY 10024

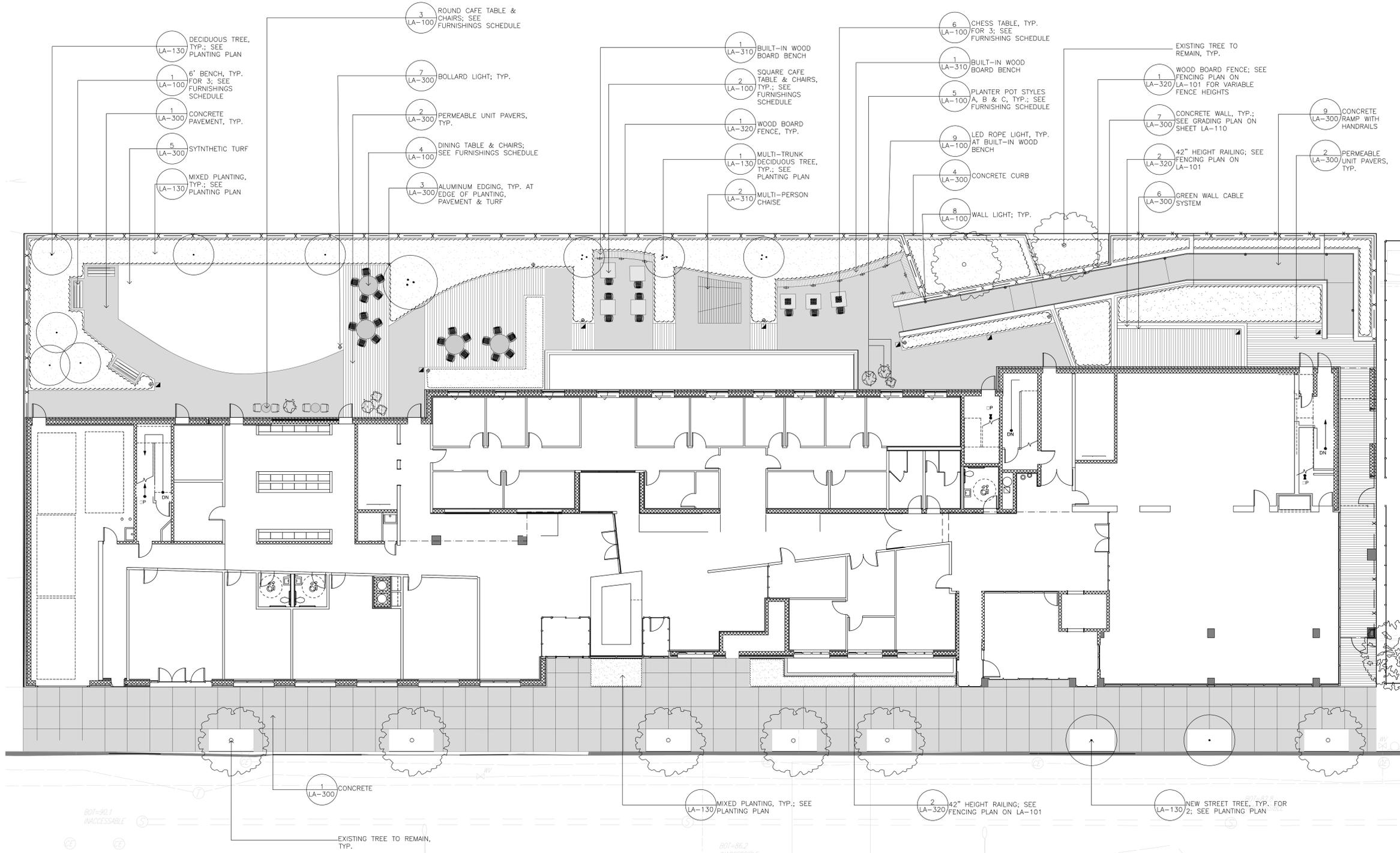
Dattner Architects  
1385 Broadway, 15th Floor  
New York, NY 10018  
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www.dattner.com

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Mechanical/Electrical/Plumbing Engineer  
Dagher Engineering, PLLC  
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New York, NY 10008

Landscape Architect  
Weintraub Diaz Landscape Architecture  
19 No. Street  
New York, NY 10060

Food Service Consultant  
Hicks Design Group  
202 West 4th Street  
New York, NY 10018



MATERIALS PLAN

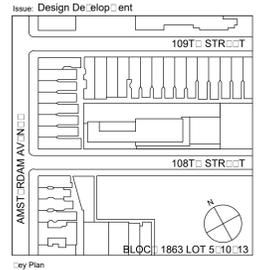
Type	Quantity	Style Name/Model	Manufacturer / Source	Finish	Comment
6' Bench	3	16' Eva Bench w/back	Victor Stanley / 1-800-392-2973	Wood Slat s / Black	
Round Cafe Table	2	Patio Centre Table / 24" Round	Landscape Forms / 845-216-3038	Storm Cloud	
Square Cafe Table	4	Patio Centre Table / 38" Square	Landscape Forms / 845-216-3038	Storm Cloud	
Cafe Chair	13	Patio Centre Chair / Amless	Landscape Forms / 845-216-3038	Storm Cloud	
Dining Table	4	Bistro Table 120 cm / M2264	Mangroven USA / 415-279-7666	Anthracite / Abstract Slate	
Dining Chairs	20	Basic Dining Armchair / MGS246	Mangroven USA / 415-279-7666	Anthracite	
Chess Table Top	3	36" Round Chess Table Top	Concrete Works / 510-534-7141	Light Grey / Contrasting Etched Chess Board	
Chess Table Base	3	Grappa Grande / 723-10-801-00-00	Janus et Cie / 646-574-4717	Stainless Steel	

Type	Quantity	Style Name/Model	Manufacturer / Source	Finish
Planter Pot A	1	Downtown Round / DS3000	Tournead Siteworks / 484-764-9699	Color: Apple / Texture: T-1
Planter Pot B	3	Downtown Round / DS3000	Tournead Siteworks / 484-764-9699	Color: Apple / Texture: T-1
Planter Pot C	3	Downtown Round / DS3400	Tournead Siteworks / 484-764-9699	Color: Apple / Texture: T-1

Type	Quantity	Style Name/Model	Manufacturer / Source	Finish
Bollard Light	0	City Elements CE 100P 31ARR5011V-1LEVOY9K	Hess America / 566-889-0361	Silver Grey / Type II Lighting
Linear LED Light	-	LED 1/2" 2 Wire Crown Roper Light 20W LED Warm White	Action Lighting / 1-800-349-0076	N/A
Wall Light	7	Legend 1 Recessed / ULE 40731-6WLED-S-3K-C-120	Lugman Lighting USA / 673-784-4944	Stainless Steel Frame



Materials Plan

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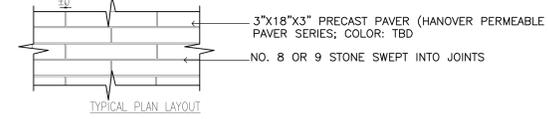
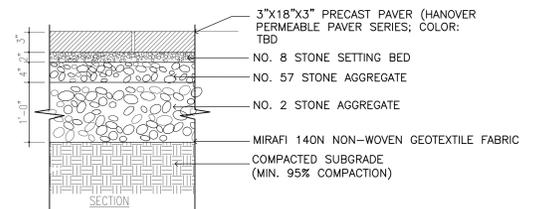
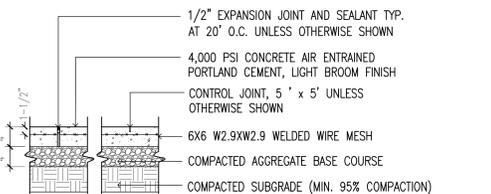
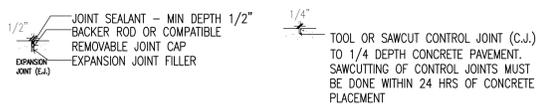
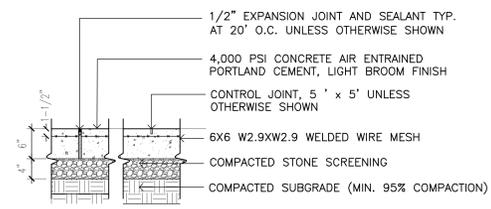




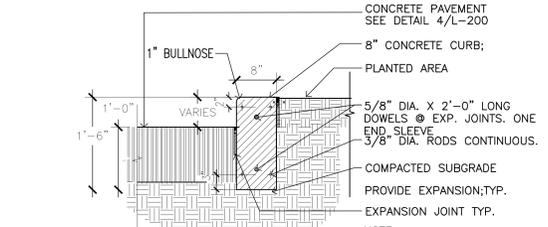
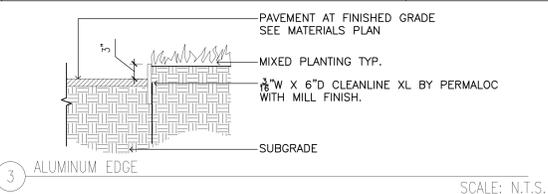




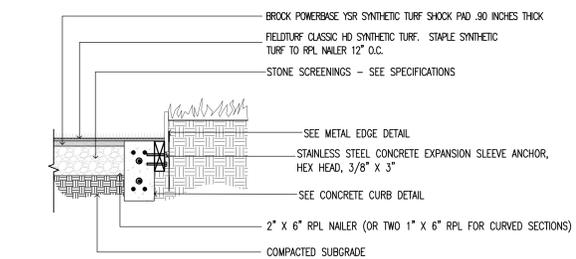




PERMEABLE UNIT PAVER  
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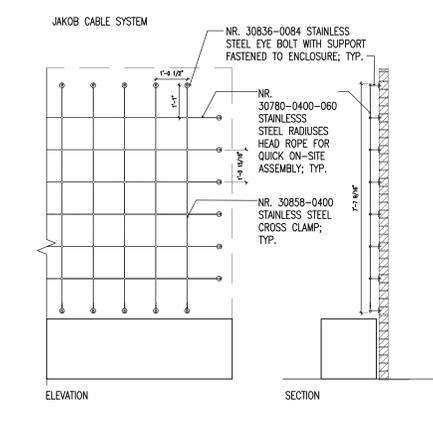
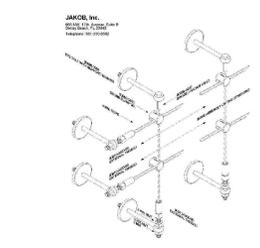


VARIABLE HEIGHT CONCRETE CURB  
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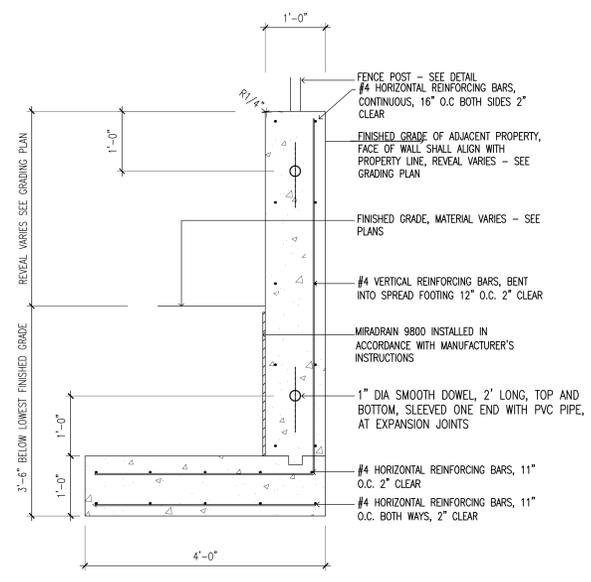


SYNTHETIC TURF  
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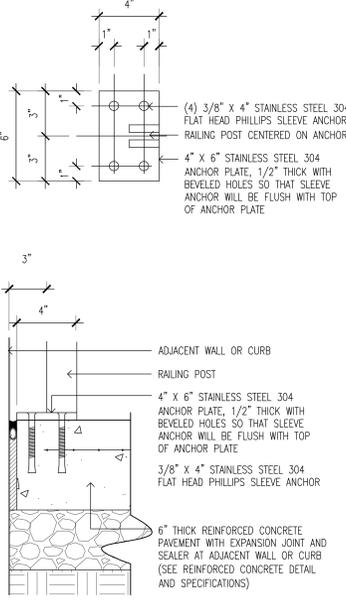
CONCRETE PAVEMENT  
SCALE: N.T.S.



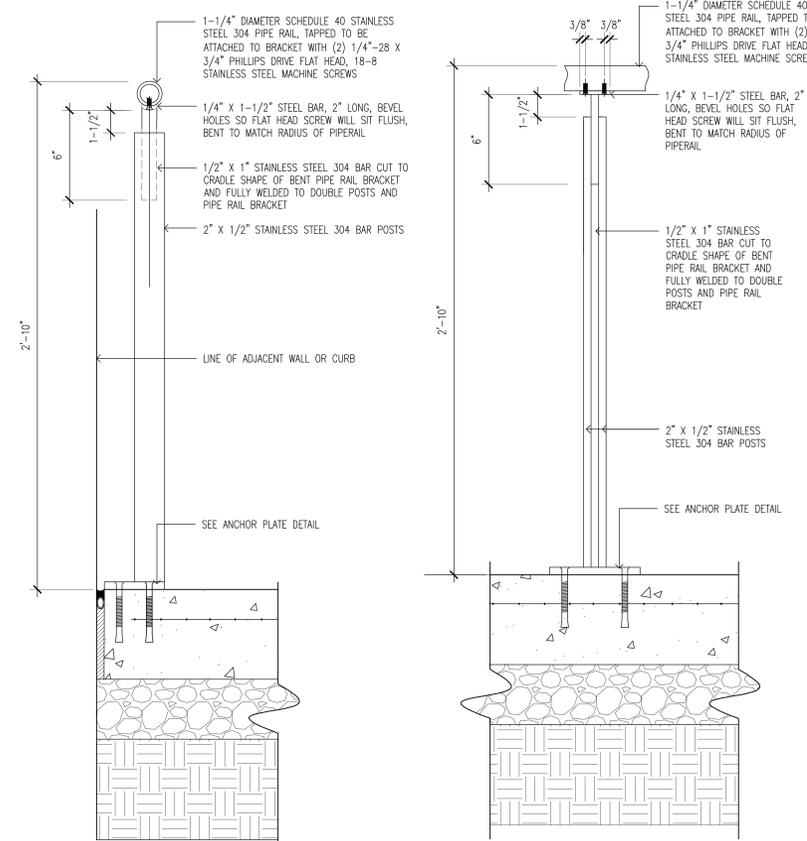
GREEN WALL CABLE SYSTEM



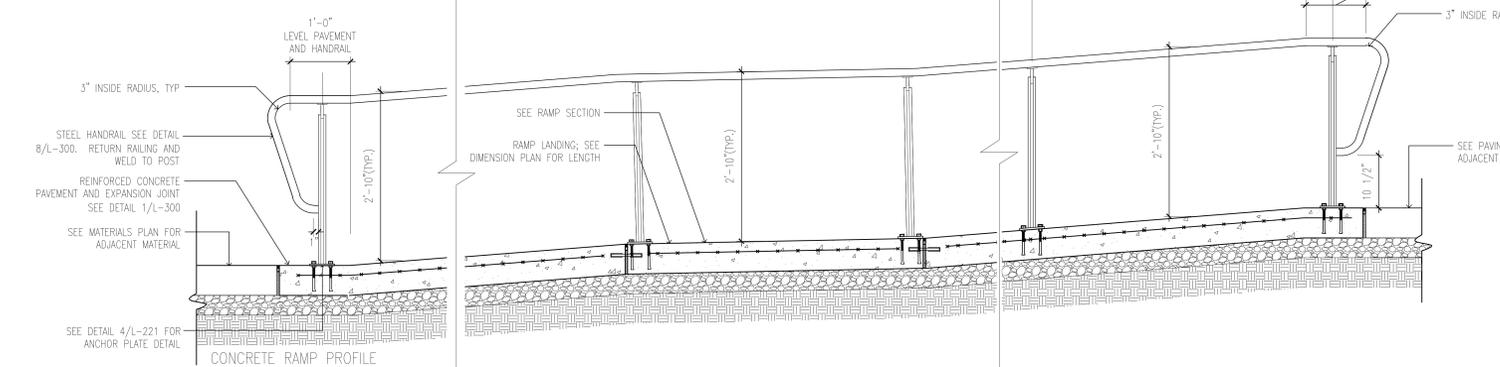
CONCRETE WALL



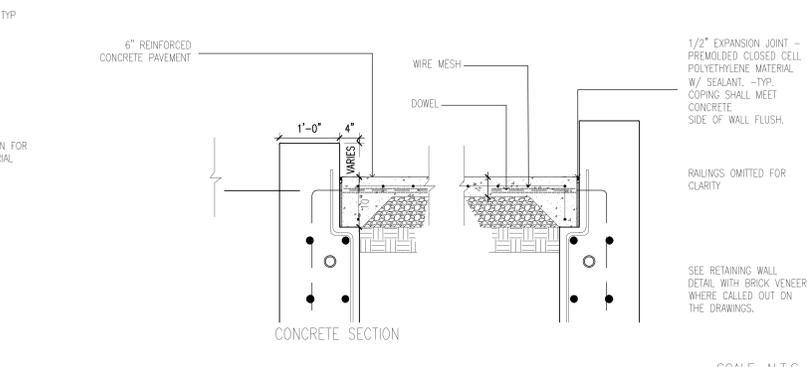
STEEL HANDRAIL



SCALE: N.T.S.



CONCRETE RAMP WITH HANDRAIL



CONCRETE SECTION  
SCALE: N.T.S.

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2345 Broadway  
New York, NY 10024

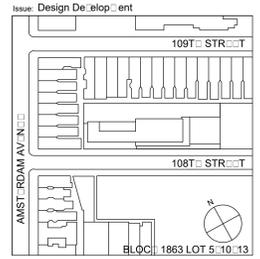
Dattner Architects  
1385 Broadway, 15th Floor  
New York, NY 10018  
Tel: 212.247.2690  
www.dattner.com

Structural Engineer  
Rodney D. Gibble Consulting Engineers  
18 West 21st Street, 3rd Floor  
New York, NY 10011

Mechanical/Electrical/Plumbing Engineer  
Dagher Engineering, PLLC  
29 Broad Street  
New York, NY 10008

Landscape Architect  
Waintraud Diaz Landscape Architecture  
19 No. 1 Street  
New York, NY 10003

Food Service Consultant  
Hicks Design Group  
202 West 40th Street  
New York, NY 10018

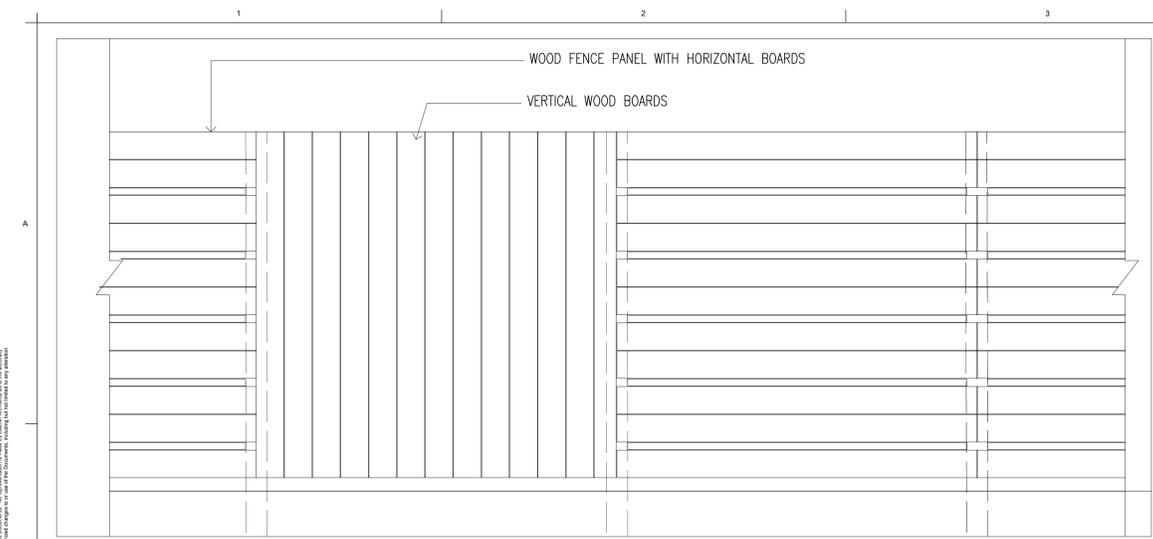


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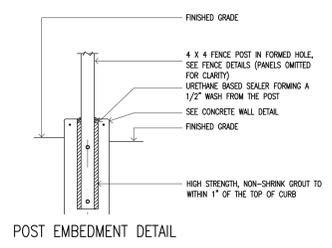
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Sheet No.: LA-300.00

LA-300.00

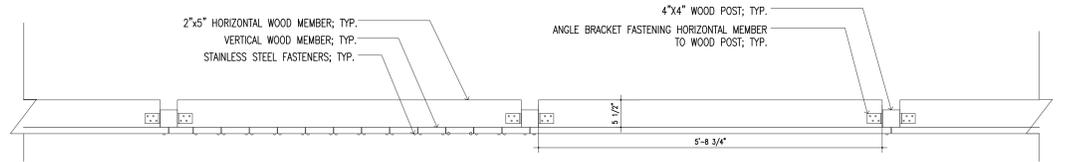




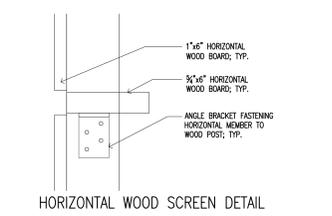
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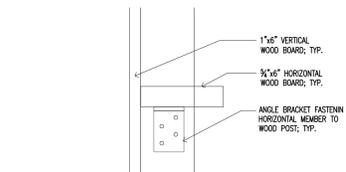
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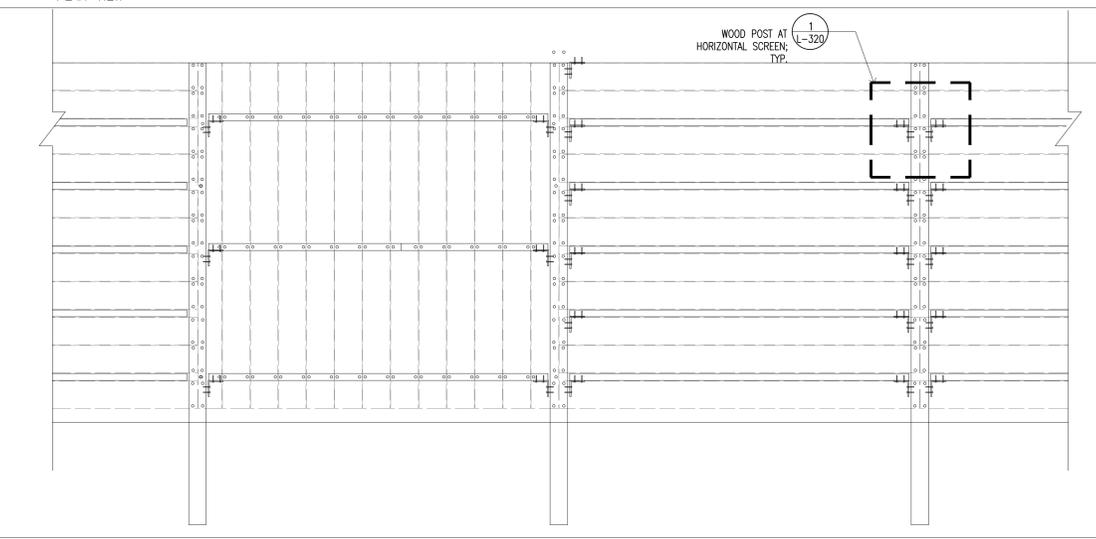
PLAN VIEW



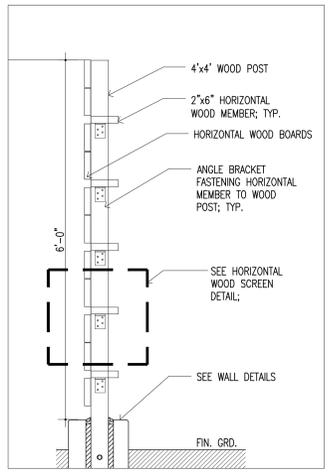
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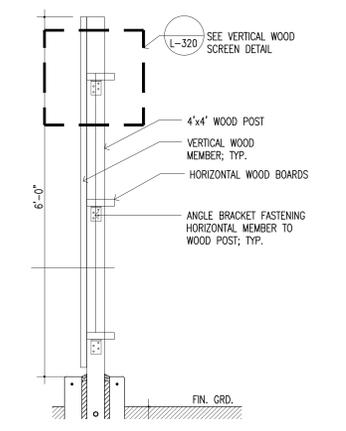
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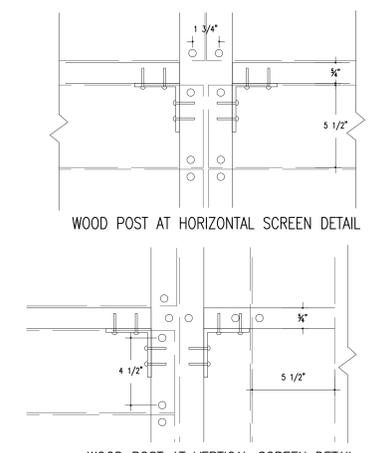
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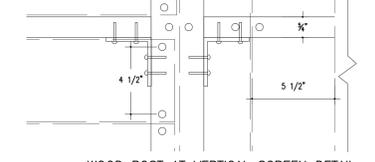
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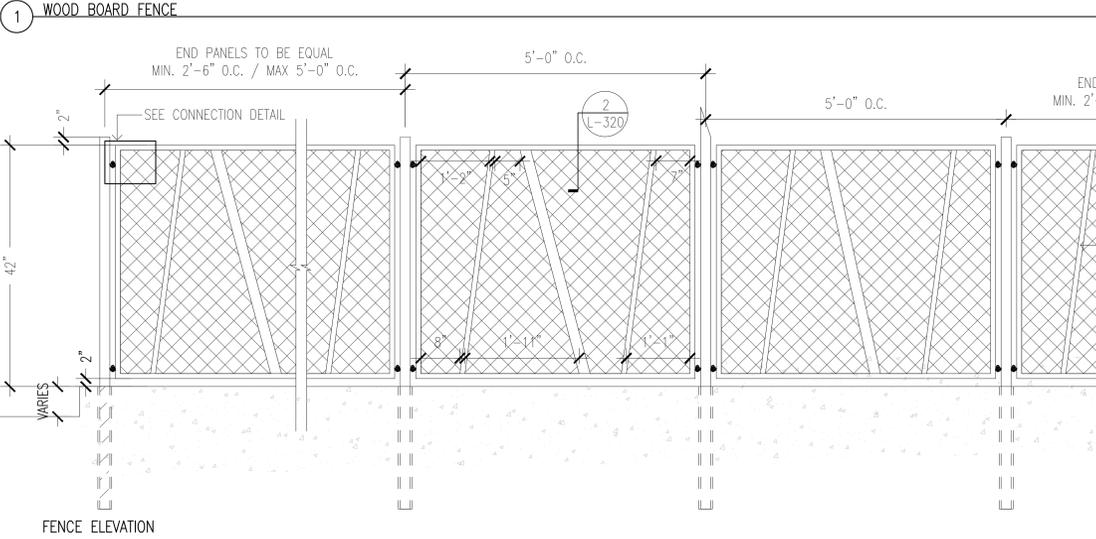
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WOOD POST AT HORIZONTAL SCREEN DETAIL

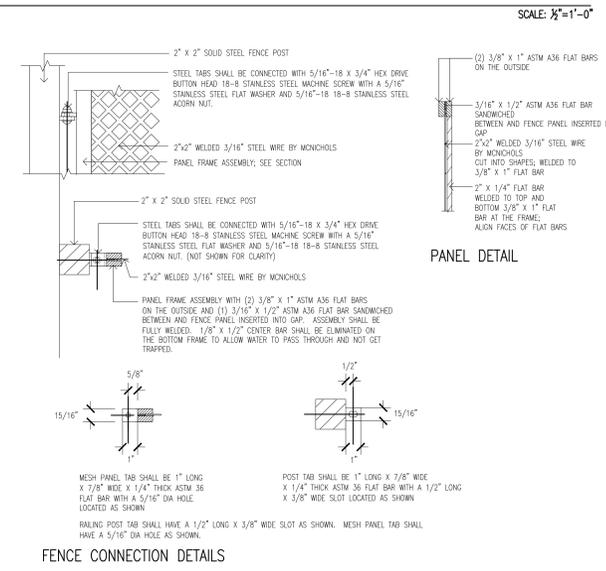


WOOD POST AT VERTICAL SCREEN DETAIL



FENCE ELEVATION

42" HEIGHT RAILING



FENCE CONNECTION DETAILS

WSFSS at West 108t Street

West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

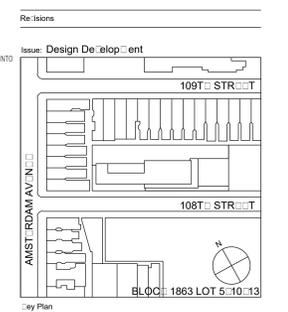
Dattner Architects  
1385 Broadway, 15th Floor  
New York, NY 10018  
tel 212 247 2660  
www.dattner.com

Structural Engineer  
Rodney D. Gible Consulting Engineers  
18 West 21st Street, 3rd Floor  
New York, NY 10011

Mechanical/Electrical/Plumbing Engineer  
Dagher Engineering, PLLC  
29 Grand St.  
New York, NY 10006

Landscape Architect  
Weintraub Diaz Landscape Architecture  
18 New Street  
New York, NY 10003

Food Service Consultant  
Hicks Design Group  
202 West 40th Street  
New York, NY 10018



Fence Details

Date	04/05/17
Scale	As indicated
Drawn By	EB
Checked By	L
Project No.	1535
Sheet No.	Seal

LA-320.00



**APPENDIX B**  
**SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE INVESTIGATION WORK PLAN**

**Supplemental Phase II Work Plan**

**For**  
**West 108<sup>th</sup> Street Development**  
**103-107 and 143-159 West 108<sup>th</sup> Street**  
**New York, New York**  
**Block 1863, Lots 5, 10, 13, and 26**

**OER Project Number 16TMP0258Q**  
**AKRF Project Number 170060**

**Prepared for:**

New York City Office of Environmental Remediation  
100 Gold Street, 2<sup>nd</sup> Floor  
New York, New York 10038

**On Behalf of:**

West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

**Prepared by:**

AKRF, Inc.  
440 Park Avenue South, 7<sup>th</sup> Floor  
New York, NY 10016  
212-696-0670

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**MAY 2017**

## **Introduction**

This Supplemental Phase II Investigation Work Plan has been developed for two development sites, collectively called West 108<sup>th</sup> Street Development, located at 103-107 West 108<sup>th</sup> Street and 143-159 West 108<sup>th</sup> Street in the Upper West Side of Manhattan (see Figure 1). The following work scope has been developed in response to the Phase II Investigation findings (September 2016, revised January 2017), a NYC Office of Environmental Remediation (OER) meeting in December 2016, and communication with New York State Department of Environmental Conservation (NYSDEC) regarding Spill Numbers 1603624 and 1603667.

## **Site Location, Current Use, and Proposed Development Plan**

The Site is identified as Block 1863, Lots 5, 10, 13, and 26. Currently, the buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are utilized as multi-story parking garages, and 145-149 West 108<sup>th</sup> Street is an emergency senior citizen shelter. The proposed redevelopment plan includes the demolition of the existing structures on the Site and construction of two new 11-story buildings (Buildings 1 and 2) and a rear yard at Building 1. Building 1 (143-159 West 108<sup>th</sup> Street) will contain approximately 80 income-restricted and 115 age-restricted apartments (combination of studios, one, two, and three bedrooms), 110 transitional beds, and 6,400-square feet of community facility space that will likely include a medical clinic serving residents and the community. Building 1 will include a full cellar. Building 2, (103-107 West 108<sup>th</sup> Street) will include approximately 82 income-restricted apartments for seniors. Building 2 will also include a partial cellar.

## **Phase I ESA Summary**

The Phase I Environmental Site Assessment (ESA) (AKRF, October 2015), identified the following:

- Potential underground storage tanks (USTs) and former aboveground storage tanks (ASTs) were noted as follows:
  - 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gas tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial cellar of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
  - 143 West 108<sup>th</sup> Street - Historical Sanborn maps identified three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator, indicated fill ports were previously located in the middle of the first floor leading to the cellar of each building.
  - 145-149 West 108<sup>th</sup> Street – Department of Buildings (DOB) records identified an oil burner permit dated 1958.
  - 151-159 West 108<sup>th</sup> Street - Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During reconnaissance, gauges for four tanks were observed. The operator indicated fill ports were previously located in the middle of the first floor leading to the cellar of each building.
- Historical records indicated former uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac Service Station at 143 West 108<sup>th</sup> Street. Based on Sanborn Maps and interviews, there is also potential for prior use as vehicle maintenance at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the cellar floor or where the vehicle maintained may have been performed.
- Chemical and material storage noted during inspections included: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five gallon containers of silicone

coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue at the top in the cellar of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the Site.

- A sump with an unconfirmed discharge point was observed in the cellar of the 143 West 108<sup>th</sup> Street building in the southeastern portion of the Site.
- The surrounding area historically included factories, Consolidated Edison substations, auto repair, and garages with gasoline USTs.
- Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.

### **Geotechnical Investigation Summary**

A Geotechnical Investigation was conducted by GZA GeoEnvironmental of New York and the findings were summarized in a report dated July 2016.

The results indicated that groundwater was encountered at varying depths generally between approximately 8 to 9 feet below grade surface (bgs), and it was noted that groundwater elevations likely were perched on bedrock. Bedrock was encountered between approximately 8 to 22 feet below grade in the study, generally described as fractured mica schist. Bedrock was overlain by weathered bedrock followed by sand and silt material. Fill materials were noted above native material and generally included sand with some gravel, asphalt, concrete, and brick fragments.

### **Phase II Environmental Site Investigation Summary**

A Phase II Environmental Site Investigation was conducted by AKRF in July 2016 and the findings were summarized in a report dated September 2016 (revised January 2017).

1. Based on the U.S. Geological Survey Central Park Quadrangle, the Site lies at an elevation ranging from approximately 90 to 105 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level) sloping slightly down toward the east.
2. Groundwater flow is generally easterly beneath the Site, and groundwater elevation ranged between 84 and 89 feet (North American Vertical Datum of 1988) at the Site.
3. Depth to apparent bedrock at the Site varied from approximately 5 to 22 feet below cellar grade.
4. The stratigraphy of the Site, from the surface down, consists of up to 7 feet of historic fill comprising sand, silt, brick, and concrete, underlain by native soil consisting of fine to medium sand, silt, followed by weathered bedrock.
5. The results of the soil sampling completed during the investigation showed volatile organic compounds (VOCs) were detected in 12 of the 22 soil samples, and in two blind duplicates, two trip blanks, and the two associated aqueous field blanks. The VOCs 1,2-dichlorobenzene, 1,2-dichloroethane, acetone, carbon disulfide, cyclohexane, ethylbenzene, isopropylbenzene, and o-xylene were detected in one or more of the soil samples. Benzene was detected at an estimated concentration of 0.13 milligrams per kilogram (mg/kg) in W108-SB-2(0-2), which is slightly above its NYSDEC Unrestricted Soil Cleanup Objective (USCO) of 0.06 mg/kg, but below its Restricted Residential Soil Cleanup Objective (RRSCO) of 4.8 mg/kg. M,p-xylene exceeded its USCO in two soil samples at concentrations of 0.41 mg/kg in W108-SB-2(0-2) and 0.35 mg/kg in W108-SB-2(3-4), slightly above its USCO of 0.26 mg/kg but well below its RRSCO of 100 mg/kg. Toluene exceeded its USCO of 0.7 mg/kg in W108-SB-2(0-2), at a concentration of 1.5 mg/kg, but was well below its RRSCO of 100 mg/kg. No VOCs were detected at concentrations exceeding the RRSCOs.

Up to 18 semi-volatile organic compounds (SVOCs) were detected in all 22 soil samples with a maximum total SVOC concentration of 28 mg/kg in W108-SB-5 (0-2), located in the garden area adjacent to 145-149 West 108<sup>th</sup> Street. SVOCs exceeding the USCOs and RRSCOs were detected in soil sample W108-SB-5(0-2), including benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene (3.1 mg/kg), dibenz(a,h)anthracene (0.63 mg/kg), and indeno(1,2,3-c,3')pyrene (2.5 mg/kg). Chrysene (2.3 mg/kg) and benzo(k)fluoranthene (1.1 mg/kg) were detected in soil sample W108-SB-5(0-2) above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were at concentrations below both the USCOs and RRSCOs.

A review of the analytical results indicates that up to 22 of the 23 Target Analyte List (TAL) metals analyzed were detected in all 22 soil samples analyzed. Nine metals, including arsenic (max of 18.5 mg/kg), barium (max of 421 mg/kg), copper (max of 88.5 mg/kg), cadmium (max of 6.3 mg/kg), hexavalent chromium (1.9 mg/kg in W108-SB-12 (0-2)), lead (max. of 1,990 mg/kg), mercury (max. of 0.46 mg/kg), nickel (max. of 38.7 mg/kg), and zinc (max. of 679 mg/kg), exceeded their respective USCOs. Concentrations of metals exceeding RRSCOs included arsenic in W108-SB-1(5-7) at a concentration of 18.5 mg/kg (the RRSCO is 16 mg/kg); barium in W108-SB-5(0-2) at a concentration of 421 mg/kg (RRSCO is 400 mg/kg); cadmium in W108-SB-12(0-2) at a concentration of 6.3 mg/kg (RRSCO is 4.3 mg/kg); and lead in W108-SB-5(0-2) and W108-SB-12(0-2) at concentrations of 456 mg/kg and 1,990 mg/kg (RRSCO is 400 mg/kg), respectively.

Up to four pesticides were detected in four of the 22 soil samples. Dieldrin exceeded the USCO in W108-SB-5(0-2) at an estimated concentration of 0.0088 mg/kg (USCO is 0.005 mg/kg). P,P'-DDT exceeded its USCO in three samples [W108-SB-5(0-2), W108-SB-5(8-10), W108-SB-12(0-2)] with a maximum concentration of 0.019 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDD exceeded its USCO in three samples [W108-SB-1(0-2), W108-SB-5(0-2), W108-SB-12(0-2)] with a maximum estimated concentration of 0.0051 mg/kg (USCO is 0.0033 mg/kg). P,P'-DDE exceeded its USCO with an estimated concentration of 0.0052 mg/kg (USCO is 0.0033 mg/kg) in W108-SB-5 (0-2). No pesticides exceeded their respective RRSCOs in any samples. There were no detections of polychlorinated biphenyls (PCBs), with the exception of an estimated concentration of 0.057 mg/kg in W108-12(0-2), which is below the USCO and RRSCO for PCBs.

6. The results of the groundwater sampling showed that one VOC, isopropylbenzene, was detected in W108-MW-4 at a concentration of 17 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the Ambient Water Quality Standard (AWQS) of 5  $\mu\text{g/L}$ . The results of the groundwater sampling indicated no other VOCs were detected at concentrations exceeding AWQS.

Six SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, were detected at estimated concentrations of 0.10  $\mu\text{g/L}$ , 0.069  $\mu\text{g/L}$ , 0.20  $\mu\text{g/L}$ , 0.74  $\mu\text{g/L}$ , 0.11  $\mu\text{g/L}$ , and 0.079  $\mu\text{g/L}$  respectively, above their respective AWQS in groundwater sample W108-MW-6, located in the cellar of 145-149 West 108<sup>th</sup> Street. Bis(2-ethylhexyl)phthalate was detected at estimated concentrations of 17  $\mu\text{g/L}$ , 7.6  $\mu\text{g/L}$ , and 14  $\mu\text{g/L}$  in W108-MW-4, W108-MW-6, and W108-MW-8, respectively, which exceeded its AWQS of 5  $\mu\text{g/L}$ . Chrysene was detected in W108-MW-8 at a concentration of 0.037  $\mu\text{g/L}$ , which exceeds the AWQS of 0.002  $\mu\text{g/L}$ .

The metals manganese and sodium were detected above the AWQS in all three dissolved samples. Magnesium was also detected above the AWQS in dissolved sample W108-MW-8. These metals are indicative of groundwater quality in Manhattan.

No PCBs or pesticides were detected in the groundwater samples.

7. The results of the soil vapor sampling showed up to 27 VOCs were detected in the 8 samples. No VOCs were detected above the air guideline values (AGVs) established by the New York State Department of Health (NYSDOH). Tetrachloroethylene (PCE) was detected in six of the eight soil vapor samples at concentrations of 2.3 to 29 micrograms per cubic meter ( $\mu\text{g/m}^3$ ), below the AGV of

30  $\mu\text{g}/\text{m}^3$ . Trichloroethylene (TCE) was not detected in any of the soil vapor samples. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to 1,400  $\mu\text{g}/\text{m}^3$ . Other solvent-related VOCs [including acetone, chloroform, and methyl ethyl ketone (MEK)] were detected at concentrations up to 73  $\mu\text{g}/\text{m}^3$ . Low level VOC concentrations were also noted in the ambient air sample.

8. The investigation findings identified the presence of petroleum contamination, in both the western portion of the Site (151-159 West 108<sup>th</sup> Street) and the eastern portion of the Site (103-107 West 108<sup>th</sup> Street) likely attributed to former on-site uses. Based on the observation of petroleum stained soil and high photoionization detector (PID) readings, the NYSDEC was notified and Spill Numbers 1603624 and 1603667 were assigned to 151-159 West 108<sup>th</sup> Street and 103-107 West 108<sup>th</sup> Street, respectively. While elevated PID readings were observed at the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed such as staining, odors, or elevated VOC and SVOC analytical results.

### **Phase II Investigation Work Scope**

A Supplemental Phase II Investigation will be performed to further investigate petroleum-contaminated soil identified during the initial Phase II ESI. Four soil borings will be advanced at the Site at the locations shown on Figure 1. Each boring will be advanced to refusal on bedrock, expected between 5 and 20 feet below sidewalk grade. Each sampling location will be accurately measured to fixed benchmarks (i.e., select properly lines, adjacent structures, etc.) or by a precision handheld global positioning system (GPS) that is capable of coordinating a fixed point with within +/- 1 foot. The sampling procedures of this investigation will be performed in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation DER-10.

### **Soil Sampling**

A geologist/engineer/Qualified Environmental Professional (QEP) will screen the soil samples during borehole advancement for organic vapors with a PID and evaluate visual and olfactory impacts prior to collecting environmental samples. All field work will be recorded in a field log. A direct-push Geoprobe<sup>®</sup> unit will be used. A discrete (grab) surface soil sample (from the 0 to 2 feet bgs interval) will be collected from each soil boring for laboratory analysis. A second sample will be collected from the proposed excavation depth, approximately 10 feet below sidewalk grade (for a total of 8 soil samples). An additional soil sample may be collected from the soil boring(s) if elevated PID readings and/or visual and olfactory observations are noted during borehole advancement.

### **Sample Analysis**

Soil samples will be submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for the following analysis:

- VOCs by EPA Method 8260; and
- SVOCs by EPA Method 8270.

If either light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL) are detected, appropriate samples will be collected for characterization and “fingerprint analysis” and required regulatory reporting (i.e., NYSDEC spills hotline) will be performed.

### **Quality Assurance/Quality Control Procedures**

Quality assurance/quality control (QA/QC) procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. One field blank and one trip blank will be submitted to the laboratory for QA/QC purposes. QA/QC samples (field and trip blank) will be analyzed at an ELAP-certified laboratory.

### **Investigation Derived Waste**

Soil cuttings may be backfilled within the borehole that generated them to within 24 inches of the surface unless:

- Free product or grossly contaminated soil are present in the cuttings;
- The borehole has penetrated an aquitard, aquiclude or other confining layer; or extends significantly into bedrock;
- Backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability; or
- The soil cannot fit into the borehole.

Those soil cuttings needing to be managed on-site will be containerized in properly labeled department of transportation (DOT) approved 55-gallon drums for future off-Site disposal at a permitted facility. All boreholes which require drill cuttings disposal would ultimately be filled with bentonite chips (hydrated) and asphalt/concrete capping. Disposable sampling equipment including, spoons, gloves, bags, paper towels, etc. that came in contact with environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

### **Reporting**

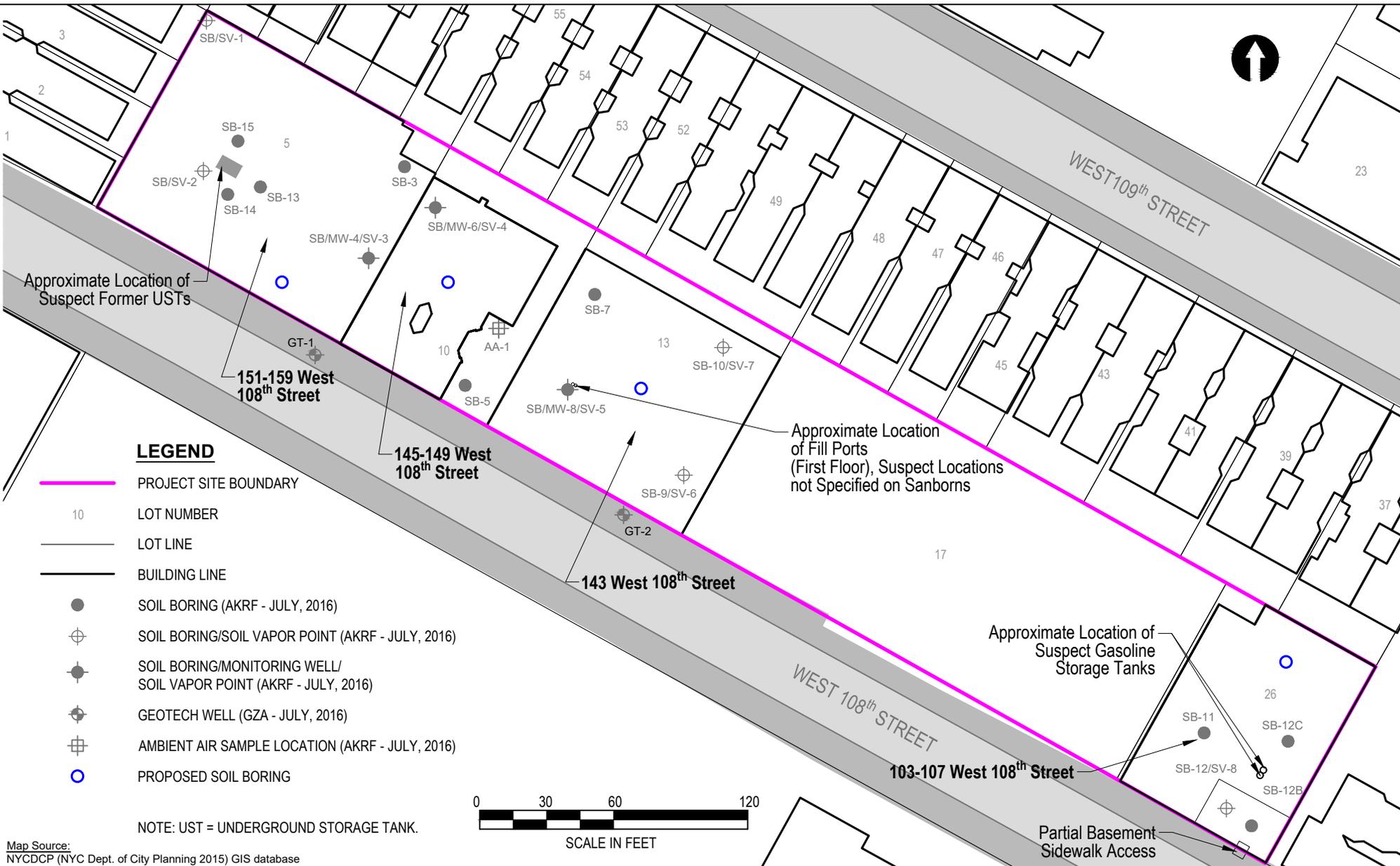
A Supplemental Phase II Environmental Site Investigation Report will be prepared following completion of the field activities and receipt of the laboratory data. The report will provide detailed summaries of the investigative findings. Soil analytical results will be compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives, appropriate Part 375-6.8(b) Restricted Soil Cleanup Objectives and NYSDEC Part 703 Groundwater Quality Standards (GQS) (class GA) or Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS). The report will include an updated sampling plan, spider diagrams, analytical data tables for all reported constituent compounds (including non-detectable concentrations) and additional remedial recommendations, if any.

### **Investigation HASP**

An Occupational Safety and Health Administration (OSHA) compliant Health and Safety Plan (HASP) that meets all OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements that was prepared for the Remedial Action Plan (RAP) will be adhered to during the Supplemental Phase II to protect worker safety. The Site Safety Coordinator will ensure full compliance of the HASP in accordance with applicable health and safety laws and regulations. All field personnel involved in investigation activities will participate in training required under OSHA HAZWOPER 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Emergency telephone numbers will be posted at the Site location before any work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; personal protective

equipment (PPE) levels and other relevant safety topics including a highlighted route map to the nearest hospital/emergency room. Meetings will be documented in a log book or specific form. Potential on-site chemicals of concern include VOCs and SVOCs. Information fact sheets and/or summary tables for each contaminant group are included in the HASP. A copy of this HASP will be on-site during each sampling event.

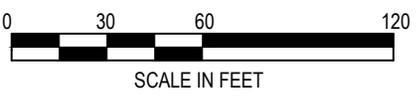
©2017 AKRF, Inc. W:\Projects\170060 - WSFSSH WEST 108TH STREET\Technical\Hazmat\CAD\170060 Fig 1 Prop Sup Samples SRWIP.dwg last save: mveilleux 5/12/2017 2:12 PM



**LEGEND**

- PROJECT SITE BOUNDARY
- LOT NUMBER
- LOT LINE
- BUILDING LINE
- SOIL BORING (AKRF - JULY, 2016)
- SOIL BORING/SOIL VAPOR POINT (AKRF - JULY, 2016)
- SOIL BORING/MONITORING WELL/  
SOIL VAPOR POINT (AKRF - JULY, 2016)
- GEOTECH WELL (GZA - JULY, 2016)
- AMBIENT AIR SAMPLE LOCATION (AKRF - JULY, 2016)
- PROPOSED SOIL BORING

NOTE: UST = UNDERGROUND STORAGE TANK.



Map Source:  
NYCDPC (NYC Dept. of City Planning 2015) GIS database



440 Park Avenue South, New York, NY 10016

<p><b>103-107 and 143-159 West 108<sup>th</sup> Street</b> New York, New York</p>		<p>DATE <b>5/12/2017</b></p>
<p><b>PROPOSED SUPPLEMENTAL SAMPLING LOCATIONS</b></p>		<p>PROJECT NO. <b>170060</b></p>
<p><b>PROPOSED SUPPLEMENTAL SAMPLING LOCATIONS</b></p>		<p>FIGURE <b>1</b></p>

**APPENDIX C**  
**CONSTRUCTION HEALTH AND SAFETY PLAN**

# 103-107 and 143-159 West 108<sup>th</sup> Street

NEW YORK, NEW YORK

---

## Construction Health and Safety Plan

**AKRF Project Number: 170060**

**OER Project Number: 16TMP0258Q**

**Prepared for:**

New York City Office of Environmental Remediation  
100 Gold Street, 2<sup>nd</sup> Floor  
New York, New York 10038

**On Behalf of:**

West Side Federation for Senior and Supportive Housing  
2345 Broadway  
New York, NY 10024

**Prepared by:**



**AKRF, Inc.**  
440 Park Avenue South, 7<sup>th</sup> Floor  
New York, NY 10016  
212-696-0670

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**JUNE 2017**

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## FIGURES

Figure 1 – Project Site Location

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## APPENDICES

- Appendix A - Potential Health Effects from On-site Contaminants
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## 1.0 PURPOSE

This Construction Health and Safety Plan (CHASP) was prepared for two development sites collectively called the West 108<sup>th</sup> Street Development, located at 103-107 and 143-159 West 108<sup>th</sup> Street in New York, NY (“the Site”). The legal definition of the Site is Tax Block 1863, Lots 5, 10, 13, and 26. A location map is provided as Figure 1.

The purpose of this CHASP is to assign responsibilities, establish personnel protection standards and mandatory safety practices and procedures, and provide for contingencies that may arise during construction at the Site. The CHASP is intended to minimize health and safety risks resulting from the known or potential presence of subsurface hazardous materials.

This plan is not designed to address geotechnical, mechanical, or general construction safety concerns, nor to supersede or replace any Occupational Safety and Health Administration (OSHA) regulation and/or local and state construction codes or regulations.

## 2.0 APPLICABILITY

Work subject to this CHASP includes all activities that disturb the existing soil on-site. The contractors and their subcontractors involved in the construction project will provide a copy of this CHASP to their employees whose work involves any potential exposure to on-site soil, and will complete all work in accordance with this CHASP.

## 3.0 SITE DESCRIPTION

### 3.1 General Information

The approximate 37,845-square foot Site consists of two discontinuous parcels separated by a public park. The buildings at 103-107, 143, and 151-159 West 108<sup>th</sup> Street are currently being utilized as parking garages, and 145-149 West 108<sup>th</sup> Street is an emergency senior citizen shelter. The surface topography was observed to slope down toward the east. Based on the U.S. Geological Survey Central Park Quadrangle map, the Property slopes from approximately 105 to 90 feet above the North American Datum of 1983 (an approximation of mean sea level).

Soil at the Site generally consists of historic fill comprising sand, silt, brick, and concrete, underlain by native soil consisting of fine to medium sand, silt, followed by weathered bedrock. Assumed bedrock was encountered during AKRF’s Phase II Environmental Site Investigation in July 2016 between 5 and 22 feet below the current cellar grade. Groundwater elevation ranged between 84 and 89 feet (North American Vertical Datum of 1988) at the Site, and flowed in a generally easterly direction. Groundwater in Manhattan is not used as a source of potable water.

### 3.2 Hazard Potential

The hazard potential was evaluated based on the findings of the *Phase I Environmental Site Assessment, 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY, AKRF, Inc., October 2015 and Phase II Environmental Site Investigation Report, 103-107 and 143-159 West 108<sup>th</sup> Street, New York, NY, AKRF, Inc., September 2016, Revised January 2017 (SIR)*.

AKRF, Inc. (AKRF) performed a Phase I Environmental Site Assessment (ESA) in October 2015 in accordance with ASTM Standard E1527-13, Standard Practice for Environmental Site

Assessments: Phase I Environmental Site Assessment Practice. A summary of the assessment findings is presented below:

- Potential underground storage tanks (USTs) and former aboveground storage tanks (ASTs) were noted as follows:
  - 103-107 West 108<sup>th</sup> Street – Historical Sanborn maps identified two gas tanks at 103-107 West 108<sup>th</sup> Street in 1951. A decommissioned 275-gallon AST with no associated piping was noted in the partial cellar of the 103-107 West 108<sup>th</sup> Street building. No record of its closure, removal, or regulatory status was available.
  - 143 West 108<sup>th</sup> Street - Historical Sanborn maps identified three 550-gallon buried gasoline tanks at 143 West 108<sup>th</sup> Street between 1951 and 2005. The operator indicated fill ports were previously located in the middle of the first floor leading to the cellar of each building.
  - 145-149 West 108<sup>th</sup> Street – DOB records identified an oil burner permit dated 1958.
  - 151-159 West 108<sup>th</sup> Street - Historical Sanborn maps identified four 550-gallon gasoline tanks at 151-159 West 108<sup>th</sup> Street between 1951 and 2005. During Site reconnaissance, gauges for four tanks were observed. The operator indicated the fill ports were previously located in the middle of the first floor leading to the cellar of each building.
- Historical records indicated former uses of the existing buildings included an automobile repair facility at 103-107 West 108<sup>th</sup> Street and a Cadillac Service Station at 143 West 108<sup>th</sup> Street. Based on Sanborn Maps and interviews, there is also potential for prior use as vehicle maintenance at 151-159 West 108<sup>th</sup> Street. In addition to the tanks mentioned above, additional tanks and hydraulic lifts may also be present beneath the cellar floor or where the vehicle maintained may have been performed.
- Chemical and material storage noted during inspections included: propane and concrete at 143 West 108<sup>th</sup> Street; plastic drums, bags, and smaller containers of paint, ammonia, floor stripper, floor finish, salt, and soaps at 145-149 West 108<sup>th</sup> Street; and bags of concrete, five gallon containers of silicone coating and paint, and propane tanks stored on the roof, as well as a 55-gallon drum of unknown material with some oily residue at the top in the cellar of 151-159 West 108<sup>th</sup> Street. Based on the observed storage and uses, undocumented discharges may have affected subsurface conditions at the Site.
- A sump with an unconfirmed discharge point was observed in the cellar of the 143 West 108<sup>th</sup> Street building in the southeastern portion of the Site.
- The surrounding area historically included factories, Consolidated Edison substations, auto repair, and garages with gasoline USTs.
- Potential buried debris from former on-site structures that could contain historic fill of unknown origin and/or abandoned USTs.
- Based on the age of the buildings, window caulking, fluorescent lighting fixtures and electrical equipment in these buildings may utilize polychlorinated biphenyl (PCB)-containing components. Fluorescent lights may contain mercury. The hydraulic building elevator at 145-147 West 108<sup>th</sup> Street and current and former hydraulic lifts at 143 West 108<sup>th</sup> Street and 151-159 West 108<sup>th</sup> Street and may utilize PCB-containing oil.

Based on the Phase I ESA findings, AKRF prepared and submitted a Phase II Environmental Site Investigation Work Plan (Work Plan) and Health and Safety Plan (HASP) to United States Environmental Protection Administration (USEPA). The Phase II Environmental Site Investigation included a plan for the collection and laboratory analysis of subsurface (soil, soil vapor, and groundwater) samples. The Work Plan was approved by USEPA in June 2016.

AKRF conducted a Phase II investigation at the Site in July 2016. The Phase II Environmental Site Investigation included the advancement of 17 borings with the collection and analysis of 22 soil samples, the installation of three groundwater monitoring wells, and the collection of a groundwater sample from each, and the installation of eight soil vapor points with the collection of a sub-slab soil vapor sample from each, and the collection of one ambient air sample. A geophysical survey was conducted prior to advancement of the borings. The following is a summary of the findings:

- No anomalies were identified by the geophysical survey.
- Subsurface materials consisted primarily of historic fill (sand, silt, asphalt, brick, ceramic, paper, plastic and concrete). The historic fill layer was underlain in some areas by apparently native soil of fine to medium sand, silt, clay, gravel, and weathered bedrock. Suspect contamination (e.g., PID readings, staining, and odors) was observed in borings SB-1, SB-2, SB-4, SB-13, SB-14, and SB-15 within the cellar of the parking garage at 151-159 West 108<sup>th</sup> Street; SB-8, SB-9, and SB-10 within the cellar of the parking garage at 143 West 108<sup>th</sup> Street; and in SB-12B within the partial cellar at 103-107 West 108<sup>th</sup> Street.
- Three volatile organic compounds (VOCs) (benzene, m,p-xylene, and toluene) were detected above their respective Unrestricted Use Soil Cleanup Objectives (USCOs) in up to two samples, and no VOCs were detected at concentrations exceeding the Restricted Residential Soil Cleanup Objectives (RRSCOs). No polychlorinated biphenyls (PCBs) were detected in the soil samples exceeding the applicable USCOs or RRSCOs. Up to 18 semi-volatile organic compounds (SVOCs) were detected in all 22 soil samples with a maximum total SVOC concentration of 28 mg/kg in W108-SB-5(0-2), located in the garden area adjacent to 145-149 West 108<sup>th</sup> Street. SVOCs exceeding the USCOs and RRSCOs were detected in soil sample W108-SB-5(0-2), including benzo(a)anthracene (2.2 mg/kg), benzo(a)pyrene (2.4 mg/kg), benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-c,3)pyrene. Chrysene and benzo(k)fluoranthene were detected in soil sample W108-SB-5(0-2) above their respective USCOs, but below their respective RRSCOs. All SVOC detections in the remaining soil samples were at concentrations below both the USCOs and RRSCOs. Nine metals, including arsenic, barium, copper, cadmium, hexavalent chromium, lead, mercury, nickel, and zinc, exceeded their respective USCOs. Metals detected exceeding RRSCOs in up to two samples included arsenic, barium, cadmium, and lead. Up to four pesticides were detected in four of the 22 soil samples. Four (dieldrin, P,P'-DDT, P,P'-DDD, and P,P'-DDE) exceeded their respective USCOs in up to two samples. No pesticides exceeded their respective RRSCOs in any samples. There were no detections of PCBs, with the exception of an estimated concentration of 0.057 mg/kg in W108-12(0-2), which is below the USCO and RRSCO for PCBs. Results are most likely attributable to fill material and weathered petroleum observed in the vicinity of the reported spills.
- The investigation findings identified the presence of petroleum contamination, in both the western portion of the Site (151-159 West 108<sup>th</sup> Street) and the eastern portion of the Site (103-107 West 108<sup>th</sup> Street) likely attributed to former on-site uses. Stained soil and high photoionization detector (PID) readings were observed, and the New York State Department

of Environmental Conservation (NYSDEC) was notified and Spill Numbers 1603624 and 1603667 were assigned to 151-159 West 108<sup>th</sup> Street and 103-107 West 108<sup>th</sup> Street, respectively. While elevated PID readings were observed in the borings located at 143 West 108<sup>th</sup> Street (SB-8, SB-9, and SB-10), no other evidence of petroleum contamination was observed, such as staining, odors, or elevated VOC and SVOC analytical results.

- The results of the groundwater sampling showed that one VOC, isopropylbenzene, was detected in W108-MW-4 at a concentration of 17 micrograms per liter ( $\mu\text{g/L}$ ), exceeding the Ambient Water Quality Standard (AWQS) of 5  $\mu\text{g/L}$ . The results of the groundwater sampling indicated no other VOCs were detected at concentrations exceeding AWQS. Six SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene, were detected at estimated concentrations of 0.10  $\mu\text{g/L}$ , 0.069  $\mu\text{g/L}$ , 0.20  $\mu\text{g/L}$ , 0.74  $\mu\text{g/L}$ , 0.11  $\mu\text{g/L}$ , and 0.079  $\mu\text{g/L}$  respectively, above their respective AWQS in groundwater sample, W108-MW-6 located in the cellar of 145-149 West 108<sup>th</sup> Street. Bis(2-ethylhexyl)phthalate was detected at estimated concentrations of 17  $\mu\text{g/L}$ , 7.6  $\mu\text{g/L}$ , and 14  $\mu\text{g/L}$  in W108-MW-4, W108-MW-6, and W108-MW-8, respectively, which exceeded its AWQS of 5  $\mu\text{g/L}$ . Chrysene was detected in W108-MW-8 at a concentration of 0.037  $\mu\text{g/L}$ , which exceeds the AWQS of 0.002  $\mu\text{g/L}$ . The metals manganese and sodium were detected above the AWQS in all three dissolved samples. Magnesium was also detected above the AWQS in dissolved sample W108-MW-8. These metals are indicative of groundwater quality in Manhattan. No PCBs or Pesticides were detected in the groundwater samples.
- Up to 27 VOCs were detected in the soil vapor samples. No VOCs were detected above the air guideline values (AGVs) established by the New York State Department of Health (NYSDOH). PCE was detected in six of the eight soil vapor samples at concentrations of 2.3 to 29 micrograms per cubic meter ( $\mu\text{g/m}^3$ ), below the AGV of 30  $\mu\text{g/m}^3$ . TCE was not detected in any of the soil vapor samples. VOCs associated with petroleum [including benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), 1,2,4- and 1,3,5-trimethylbenzene, cyclohexane, n-heptane, n-hexane, 4-ethyltoluene, and 2,2,4-trimethylpentane] were detected at concentrations up to 1,400  $\mu\text{g/m}^3$ . Other solvent-related VOCs [including acetone, chloroform, and methyl ethyl ketone (MEK)] were detected at concentrations up to 73  $\mu\text{g/m}^3$ . Low level VOC concentrations were also noted in the ambient air sample.

### 3.3 Hazard Evaluation

The most likely routes of exposure are breathing of volatile and semi-volatile compounds or particulate-laden air released during soil disturbing activities, dermal contact, and accidental ingestion. Appendix A includes specific health effects from chemicals present or potentially present on-site. Although some of the chemicals of concern listed in the sections below were not detected during the subsurface investigation, they are included here as a precaution. The remaining sections of this CHASP address procedures (including training, air monitoring, work practices and emergency response) to reduce the potential for unnecessary and unacceptable exposure to these contaminants.

The potential adverse health effects from these detected contaminants are diverse. Many of these compounds are known or suspected to result in chronic illness from long-term exposures. However, due to the limited nature of the proposed construction, only acute effects are a potential concern.

This CHASP addresses potential environmental hazards from the presence of hazardous materials. It is not intended to address the normal hazards of construction work, which are separately covered by OSHA regulations and/or local and state construction codes and regulations.

### 3.3.1 Hazards of Concern

Check all that apply		
<input checked="" type="checkbox"/> Organic Chemicals	<input checked="" type="checkbox"/> Inorganic Chemicals	<input type="checkbox"/> Radiological
<input type="checkbox"/> Biological	<input type="checkbox"/> Explosive/Flammable	<input type="checkbox"/> Oxygen Deficient Atm.
<input checked="" type="checkbox"/> Heat Stress	<input checked="" type="checkbox"/> Cold Stress	<input type="checkbox"/> Other
<b>Comments:</b> No personnel are permitted to enter permit confined spaces		

### 3.3.2 Physical Characteristics

Check all that apply		
<input checked="" type="checkbox"/> Liquid	<input checked="" type="checkbox"/> Solid	<input type="checkbox"/> Sludge
<input checked="" type="checkbox"/> Vapors	<input type="checkbox"/> Unknown	<input type="checkbox"/> Other
<b>Comments:</b>		

### 3.3.3 Hazardous Materials

Check all that apply					
Chemicals	Solids	Sludges	Solvents	Oils	Other
<input type="checkbox"/> Acids	<input type="checkbox"/> Ash	<input type="checkbox"/> Paints	<input type="checkbox"/> Halogens	<input type="checkbox"/> Transformer	<input type="checkbox"/> Lab
<input type="checkbox"/> Caustics	<input type="checkbox"/> Asbestos	<input type="checkbox"/> Metals	<input checked="" type="checkbox"/> Petroleum	<input type="checkbox"/> Other DF	<input type="checkbox"/> Pharm.
<input type="checkbox"/> Pesticides	<input type="checkbox"/> Tailings	<input type="checkbox"/> POTW	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Motor or Hydraulic Oil	<input type="checkbox"/> Hospital
<input checked="" type="checkbox"/> Petroleum	<input checked="" type="checkbox"/> Other: Fill Material	<input checked="" type="checkbox"/> Other – Tars & Other NAPL		<input checked="" type="checkbox"/> Gasoline	<input type="checkbox"/> Rad.
<input type="checkbox"/> Inks				<input checked="" type="checkbox"/> Fuel Oil	<input type="checkbox"/> MGP
<input type="checkbox"/> PCBs				<input checked="" type="checkbox"/> Hydraulic Oil	<input type="checkbox"/> Mold
<input checked="" type="checkbox"/> Metals					<input type="checkbox"/> Cyanide
<input checked="" type="checkbox"/> Other: VOCs, SVOCs					

### 3.3.4 Chemicals of Concern

Chemicals	REL/PEL/STEL (ppm)	Health Hazards
Benzene	REL = 0.1 ppm PEL = 1 ppm STEL = 5 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude, dermatitis; bone marrow depression, potential occupational carcinogen.
Toluene	REL = 100 ppm PEL = 200 ppm STEL = 300 ppm	Irritation eyes, nose; lassitude, confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia (skin tingling or numbness); dermatitis; liver, kidney damage.

Chemicals	REL/PEL/STEL (ppm)	Health Hazards
Ethylbenzene	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma.
Xylenes	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, poor coordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.
Fuel Oil	REL = 350 mg/m <sup>3</sup> PEL = 400 ppm	Nausea, irritation – eyes, hypertension, headache, light-headedness, loss of appetite, poor coordination; long-term exposure – kidney damage, blood clotting problems; potential carcinogen.
Polycyclic Aromatic Hydrocarbons (PAHs)	PEL = 5 mg/m <sup>3</sup>	Harmful effects to skin, bodily fluids, and ability to fight disease, reproductive problems; [potential occupational carcinogen].
Arsenic	REL= 0.002 mg/m <sup>3</sup> PEL= 0.01 mg/m <sup>3</sup>	Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, respiratory irritation, hyperpigmentation of skin; potential occupational carcinogen.
Barium	REL= 0.5 mg/m <sup>3</sup> PEL= 0.5 mg/m <sup>3</sup>	Irritation eyes, skin, upper respiratory system; skin burns; gastroenteritis; muscle spasm; slow pulse, extrasystoles; hypokalemia.
Cadmium	PEL= 0.005 mg/m <sup>3</sup>	Pulmonary edema, breathing difficulty, cough, chest tightness, headache; chills, muscle aches; nausea, vomiting, diarrhea; loss of smell, emphysema, proteinuria, mild anemia.
Lead	REL=0.1 mg/m <sup>3</sup> PEL=0.05 mg/m <sup>3</sup>	Weakness, lassitude, insomnia; facial pallor, pale eye, anorexia, low-weight, malnutrition, constipation, abdominal pain, colic; anemia; gingival lead line; tremors, paralysis wrists and ankles; encephalopathy; kidney disease; irritation eyes; hypotension.
Comments: REL = NIOSH Recommended Exposure Limit PEL = OSHA Permissible Exposure Limit STEL = OSHA Short Term Exposure Limit		

#### 4.0 HEALTH AND SAFETY OFFICER

The contractor or engineer will designate one of its personnel as the Site Safety Officer (SSO). The SSO will be a competent person responsible for the implementation of this plan. The SSO will have completed a 40-hour training course (updated by an annual refresher) that meets OSHA requirements of 29 CFR Part 1910, Occupational Safety and Health Standards. The SSO has stop-work authorization, which he/she will execute on his/her determination of an imminent safety hazard, emergency situation, or other potentially dangerous situation. If the SSO must be absent from the Site, he/she will designate a suitably qualified replacement that is familiar with the CHASP.

#### 5.0 TRAINING

All those who enter the work area while intrusive activities are being performed must recognize and understand the potential hazards to health and safety. All construction personnel upon entering the Site must attend a brief training meeting, its purpose being to:

- Make workers aware of the potential hazards they may encounter;
- Instruct workers on how to identify potential hazards,
- Provide the knowledge and skills necessary for them to perform the work with minimal risk to health and safety;
- Make workers aware of the purpose and limitations of safety equipment; and

- Ensure that they can safely avoid or escape from emergencies.

Each member of the construction crew will be instructed in these objectives before he/she goes onto the Site. Construction personnel will be responsible for identifying potential hazards in the work zone. The SSO or other suitably trained individual will be responsible for conducting the training program. Others who enter the Site must be accompanied by a suitably-trained construction worker.

## **6.0 GENERAL WORK PRACTICES**

To protect the health and safety of the field personnel, all field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance in contaminated areas.

- Eating, drinking, chewing gum or tobacco, and smoking are prohibited, except in designated areas on the Site. These areas will be designated by the SSO.
- Workers must wash their hands and face thoroughly on leaving the work area and before eating, drinking, or any other such activity. The workers should shower as soon as possible after leaving the Site.
- Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat stress.

## **7.0 PERSONAL PROTECTIVE EQUIPMENT & AIR MONITORING**

### **7.1 Personal Protective Equipment**

The personal protective equipment (PPE) required for various kinds of site investigation tasks are based on 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, Appendix C, “General Description and Discussion of the Levels of Protection and Protective Gear.”

During the implementation of air monitoring, if deemed appropriate by the SSO, site personnel will wear, at a minimum, Level D personal protective equipment. The protection will be based on the air monitoring described in Section 7.2.

## Level of Protection Summary

LEVEL OF PROTECTION & PPE	1 – Excavation	2 – Other Earth Moving Activities
<b>Level D</b> (×) Steel Toe Shoes (×) Hard Hat (×) Work Gloves (×) Safety Glasses ( ) Face Shield (×) Ear Plugs (within 25 ft of excavator) (×) Latex Gloves	Yes	Yes
Level D – Modified <i>(in addition to Level D)</i> (×) Tyvek Coveralls (×) Nitrile Gloves ( ) Overboots ( ) Saranex Coveralls	As Necessary	As Necessary
<b>Level C (in addition to Level D – Modified)</b> (×) Half-Face Respirator & Safety Glasses OR (×) Full Face Respirator ( ) Full-Face PAPR ( ) Particulate Cartridge ( ) Organic Cartridge (×) Dual Organic/Particulate Cartridge	If PID > 10 ppm (breathing zone)	If PID > 10 ppm (breathing zone)
Comments: Cartridges to be changed out at least once per shift unless warranted beforehand (e.g., more difficult to breathe or any odors detected). PID = Photoionization Detector      ppm = Parts Per Million		

## 7.2 Work Zone Air Monitoring

Monitoring with a particulate air monitor will be conducted during excavation and other earth moving activities. Real time air monitoring will be performed with a PID during sampling and excavation work in areas. Measurements would be taken prior to commencement of work and continuously during the work. Continuous monitoring for VOCs and particulate levels during all soil disturbance activities including CAMP stations both upwind and downwind of activities, and a CAMP station on the southern (West 108<sup>th</sup> Street) Site boundary across from the school. Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil samples. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Measurements will be made as close to the workers as practicable and at the breathing height of the workers. The SSO will set up the equipment and confirm that it is working properly. His/her designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish the background level for that day. The final measurement for the day will be performed after the end of work. The action levels and required responses are listed in the following table:

**Action Levels and Required Safety Response Actions**

<b>Instrument</b>	<b>Task to be Monitored</b>	<b>Action Level</b>	<b>Response Action</b>
PID (Minirae 2000 or equivalent)	Soil excavation, tank removal, soil sampling	Less than 10 ppm in breathing zone.	Level D or D-Modified
		Between 10 and 20 ppm	Level C
		More than 20 ppm	Stop work. Resume work when readings are less than 20 ppm.
Particulate monitor (MIE 1000 Personal DataRam or equivalent)	Soil excavation, tank removal, soil sampling	Less than 5 $\mu\text{g}/\text{m}^3$	Level D
		Between 5 $\mu\text{g}/\text{m}^3$ and 150 $\mu\text{g}/\text{m}^3$	Level C. Apply dust suppression measures. If < 2.5 $\mu\text{g}/\text{m}^3$ , resume work using Level D. Otherwise, use Level C.
		Above 150 $\mu\text{g}/\text{m}^3$	Stop work. Apply additional dust suppression measures. Resume work when less than 150 $\mu\text{g}/\text{m}^3$ .

Notes: PID = Photoionization Detector ppm = Parts Per Million,  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

Field personnel will be trained in the proper operation of all field instruments at the start of the field program. Instruction manuals for the equipment will be on file at the Site for referencing proper operation, maintenance and calibration procedures.

The equipment will be calibrated according to manufacturer specifications at the start of each day of fieldwork. If an instrument fails calibration, the project manager will be contacted immediately to obtain a replacement instrument and arrange for repairs. A calibration log will be maintained to record the date of each calibration, any failure to calibrate and corrective actions taken. The PID will be calibrated each day using 100 parts per million (ppm) isobutylene standard gas.

### 7.3 Community Air Monitoring Plan

Community air monitoring will be conducted during all intrusive Site activities in compliance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). Real-time air monitoring for volatile compounds and particulates at the perimeter of the exclusion zone will be performed as described below.

#### VOC Monitoring

Periodic monitoring for VOCs will be conducted during non-intrusive activities such as the collection of excavation soil endpoint samples using hand-held roving equipment. Periodic monitoring may include obtaining measurements upon arrival at a location and upon leaving the location.

Continuous monitoring for VOCs will be conducted during all ground intrusive activities, including excavation and tank removal (if encountered). Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background concentrations. VOCs will be monitored continuously at the upwind and downwind perimeter of the exclusion

zone and on West 108<sup>th</sup> Street across from the school. Monitoring will be conducted with a PID equipped with a 10.6 eV lamp capable of calculating 15-minute running average concentrations. The following actions will be taken based on organic vapor levels measured:

- If total organic vapor levels exceed 5 ppm above background for the 15-minute average at the exclusion zone perimeter, work activities will be temporarily halted and monitoring continued. If levels readily decrease (per instantaneous readings) below 5 ppm above background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the exclusion zone persist at levels in excess of 5 ppm above background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the hot zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less – but in no case less than 20 feet – is below 5 ppm above background for the 15-minute average.
- If the total organic vapor level is above 25 ppm at the perimeter of the exclusion zone, activities will be shutdown.

More frequent intervals of monitoring will be conducted if required as determined by the SSO. All PID readings will be recorded and available for NYSDEC and NYSDOH personnel to review. Instantaneous readings, if any, will also be recorded.

#### Dust Monitoring

Continuous monitoring for particulates will be conducted during all ground intrusive activities, which will involve the measurement of respirable dust. Community air monitoring for dust particulates will be conducted using a MIE 1000 Personal DataRam or equivalent to measure the concentration of airborne respirable particulates less than 10 micrometers in size (PM<sub>10</sub>). The dust monitor will be capable of calculating 15-minute running average concentrations and equipped with an audible alarm to indicate exceedance of action levels. An inspection of the monitoring stations will be conducted on at least an hourly basis. Background readings and any readings that trigger response actions will be recorded in the project logbook, which will be available on-site for NYSDOH and/or NYSDEC review. If the downwind particulate concentrations are greater than 100 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) above background (upwind concentrations), and no other obvious source is apparent, then it will be assumed that the elevated particulate concentrations are a result of Site activities. In such instances, dust suppression measures will be implemented and monitoring will be continued. Work will be allowed to continue with dust suppression if downwind particulate levels do not exceed  $150 \mu\text{g}/\text{m}^3$  above the background (upwind concentration) and provided that no visible dust is migrating from the work area. If particulate levels persist at  $150 \mu\text{g}/\text{m}^3$  above the background, work must be stopped until dust suppression measures bring particulate levels to below  $150 \mu\text{g}/\text{m}^3$  above background.

#### Major Vapor Emission Response Plan

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work site, or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted or vapor controls must be implemented.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the exclusion zone, then the air quality must be

monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If either of the following criteria is exceeded in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be implemented.

- Sustained organic vapor levels approaching 1 ppm above background for a period of more than 30 minutes, or
- Organic vapor levels greater than 5 ppm above background for any time period.

Upon activation, the following activities shall be undertaken as part of the Major Vapor Emission Response Plan:

- The NYCOER, NYSDOH, and local police authorities will be immediately contacted by the SSO and advised of the situation;
- Frequent air monitoring will be conducted at 30-minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Site Health and Safety Officer; and
- All Emergency contacts will go into effect as appropriate.

All readings will be recorded and be available for NYSDEC and NYSDOH personnel to review.

## **8.0 DECONTAMINATION PROCEDURES**

### **8.1 Personnel Decontamination**

Personnel decontamination (decon), if deemed necessary by the SSO, will take place in a designated decontamination area. This area will be delineated during each stage of work. Personnel decontamination will consist of the following steps:

- Soap and potable water wash and potable water rinse of gloves;
- Coverall removal (if applicable);
- Glove removal;
- Disposable clothing removal; and
- Field wash of hands and face.

### **8.2 Sampling Equipment Decontamination**

Any non-disposable sampling equipment for confirmatory sampling or other equipment that is in contact with contaminated materials will be decontaminated in accordance with the following procedure:

- Double wash with solution of Simple Green<sup>®</sup> and clean tap water;
- Double rinse with clean tap water;
- Rinse with clean distilled water; and
- Allow equipment to air dry.

### 8.3 Heavy Equipment Decontamination

If heavy equipment comes in contact with contaminated materials, it will be decontaminated prior to being relocated to a clean area or leaving the Site. A designated decontamination pad will be constructed, where soil, dust, or oil will be washed off the exterior, undercarriage, and wheels or tracks of the equipment. Wash water will be collected for treatment and/or disposal.

## 9.0 EMERGENCY RESPONSE

### 9.1 Emergency Procedures

In the event that an emergency develops at the Site, the procedures delineated herein are to be immediately followed. Emergency conditions are considered to exist if:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on-site.
- A condition is discovered that suggests the existence of a situation creating a higher health hazard than anticipated.
- A spill of oil or other hazardous materials.

General emergency procedures and specific procedures for personal injury and chemical exposure are described below. In the event of an accident or emergency, an Incident Report form should be filled out and placed in the project file. An example Incident Report form is provided in Appendix C. Information on emergency hand signals is provided in Appendix D.

#### 9.1.1 Chemical Exposure

If a member of the field crew demonstrates symptoms of chemical exposure the procedures outlined below should be followed:

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the SSO (via voice and hand signals) of the chemical exposure. The SSO should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eye wash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the Project Manager. The SSO is responsible for completing the Incident Report Form.

#### 9.1.2 Personal Injury

In case of personal injury at the Site, the following procedures should be followed:

- Another team member (buddy) should signal the SSO that an injury has occurred.

- A field team member trained in first aid can administer treatment to an injured worker.
- If deemed necessary, the victim should then be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- The SSO is responsible for making certain that an Incident Report Form is completed. This form is to be submitted to the AKRF Health and Safety Officer. Follow-up action should be taken to correct the situation that caused the accident.
- Any incident (near miss, Site damage, first aid, medical treatment, etc.) must be reported.

A first-aid kit, eye-wash, and blood-borne pathogens kit will be kept on-site during the field activities.

### **9.1.3 Evacuation Procedures**

- The SSO will initiate evacuation procedures by signaling to leave the Site or containment structure.
- All personnel in the work area should evacuate the area and meet in the common designated area.
- All personnel suspected to be in or near the contract work area should be accounted for and the whereabouts or missing persons determined immediately.
- The SSO will then give further instruction.

### **9.1.4 Procedures Implemented in the Event of a Major Fire, Explosion, or Emergency**

- Notify the paramedics and/or fire department, as necessary;
- Signal the evacuation procedure previously outlined and implement the entire procedure;
- Isolate the area;
- Stay upwind of any fire;
- Keep the area surrounding the problem source clear after the incident occurs; and
- Complete accident report for and distribute to appropriate personnel.

### **9.1.5 Spill Response**

All personnel must take every precaution to minimize the potential for spills during Site operations. Any spill will be reported immediately to the SSO. The SSO will then determine and report any required spills to the NYCDEP and/or NYSDEC Hotlines. Spill control apparatus (sorberent materials) will be located on-site. All materials used for the cleanup of spills will be containerized and labeled separately from other wastes. The SSO, in consultation with the Project Manager, will determine if additional spill response measures are required.

## **9.2 Hospital Directions**

The **Mount Sinai St. Luke's Hospital** is located at 1111 Amsterdam Ave, New York, NY 10025, as shown on Figure 2.

**Hospital Information and Directions**

<b>Hospital Name:</b>	Mount Sinai St. Luke's Hospital
<b>Phone Number:</b>	212-523-4000
<b>Address/Location:</b>	<i>Emergency Room:</i> 1111 Amsterdam Ave, New York, NY 10025
<b>Directions:</b>	<ol style="list-style-type: none"> <li>1. Head EAST on <i>West 108<sup>th</sup> Street</i> toward Columbus Avenue.</li> <li>2. Turn Right onto <i>Columbus Avenue</i>.</li> <li>3. Turn RIGHT onto <i>West 107<sup>th</sup> Street</i>.</li> <li>4. Turn Right onto <i>Amsterdam Avenue</i>. Hospital will be on the right.</li> </ol>

**9.3 CHASP Contact Information**

<b>Company</b>	<b>Individual Name</b>	<b>Title</b>	<b>Contact Number</b>
AKRF	Michelle Lapin	Remedial Engineer	646-388-9520 (office)
	Marc Godick	Project Director	914-922-2356 (office) 917-991-4030 (cell)
	Deborah Shapiro	Project Manager	646-388-9544 (office) 917-957-8991 (cell)
	Kenneth Wiles	Alternate Project Manager	646-388-9528 (office) 845-264-5062 (cell)
	Marcus Simons	Health and Safety Officer	646-388-9527 (office) 917-509-5259 (cell)
	Elizabeth Matamoros	SSO	914-922-2397 (office) 347-328-3567 (cell)
New York City Mayor's Office of Environmental Remediation	Taylor Hard	OER Project Manager	212-788-7426 (office)
West Side Federation for Senior and Supportive Housing	Ariel Krasnow	Client Representative	212-721-6032 x1019 (office)
NYCDEP Hotline	-	-	718-DEP-HELP
Ambulance, Fire Department & Police Department	-	-	911
NYSDEC Spill Hotline	-	-	800-457-7362
Local Poison Control	-	-	212-764-7667 PM/weekend 212-340-4494



## FIGURES

© 2017 AKRF. W:\Projects\170060 - W\SSSH WEST 108TH STREET\Technical\GIS and Graphics\Hazmat\170060 Fig 1 site loc map.CHAS.Pmx.d3/17/2017 8:10:56 AM. mveilleux



Map Source: USGS Topo base map service from The National Map

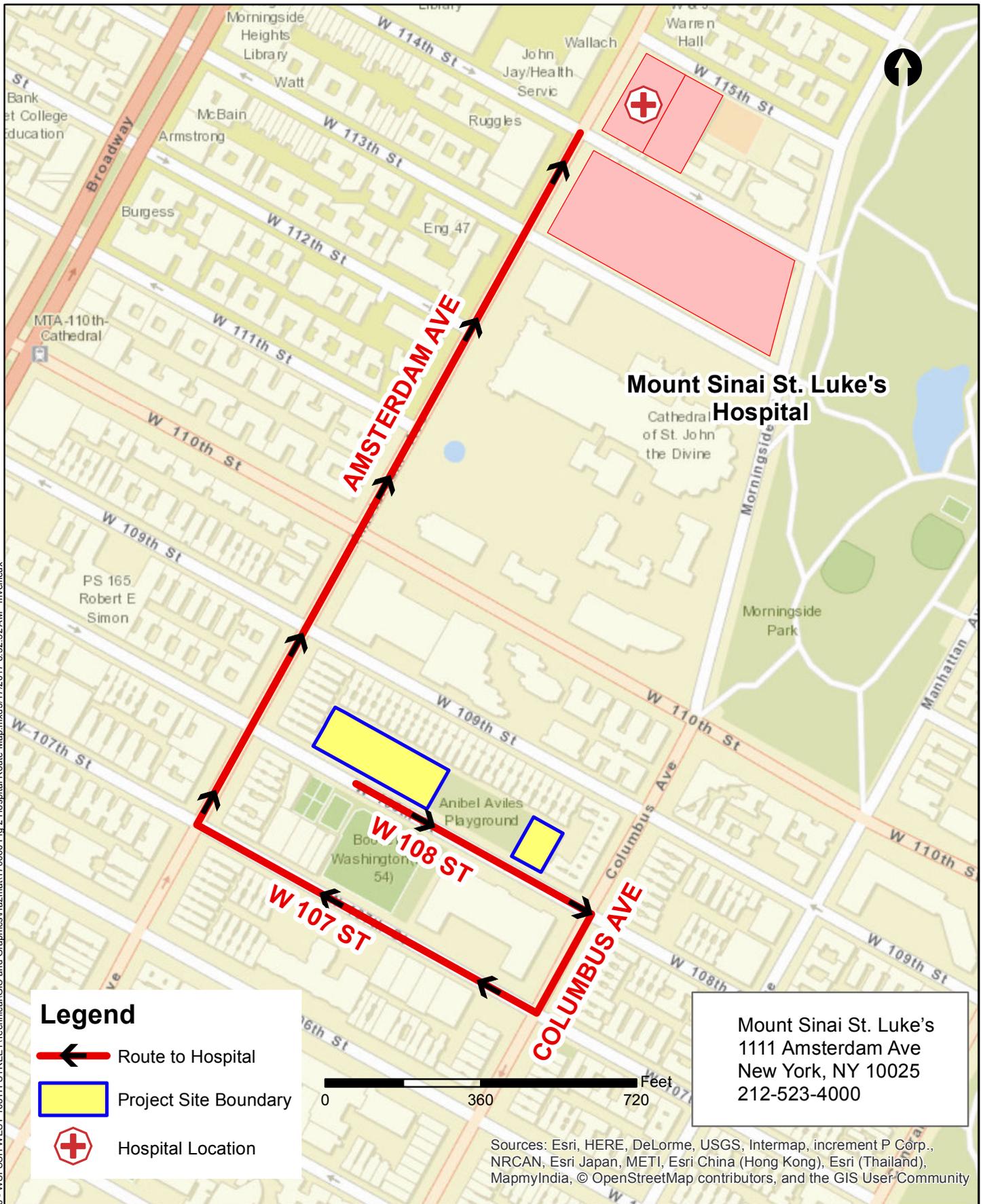


440 Park Avenue South, New York, NY 10016

**103-107 and 143-159 West 108<sup>th</sup> Street**  
New York, New York

**PROJECT SITE LOCATION**

DATE	3/17/2017
PROJECT NO.	170060
FIGURE	1



**Legend**

-  Route to Hospital
-  Project Site Boundary
-  Hospital Location



Mount Sinai St. Luke's  
 1111 Amsterdam Ave  
 New York, NY 10025  
 212-523-4000

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

© 2017 AKRF. W:\Projects\170060 - WFSH\WEST\_108TH STREET\Technical\GIS and Graphics\Hazmat\170060 Fig 2 Hospital Route Map.mxd 3/17/2017 8:32:52 AM mvelleux



440 Park Avenue South, New York, NY 10016

**103-107 and 143-159 West 108<sup>th</sup> Street**  
 New York, New York

**HOSPITAL ROUTE MAP**

DATE	3/17/2017
PROJECT NO.	170060
FIGURE	2

**APPENDIX A**  
**POTENTIAL HEALTH EFFECTS FROM ON-SITE CONTAMINANTS**

This fact sheet answers the most frequently asked health questions (FAQs) about arsenic. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS: Exposure to higher than average levels of arsenic occurs mostly in the workplace, near hazardous waste sites, or in areas with high natural levels. At high levels, inorganic arsenic can cause death. Exposure to lower levels for a long time can cause a discoloration of the skin and the appearance of small corns or warts. Arsenic has been found at 1,014 of the 1,598 National Priority List sites identified by the Environmental Protection Agency (EPA).**

### What is arsenic?

Arsenic is a naturally occurring element widely distributed in the earth's crust. In the environment, arsenic is combined with oxygen, chlorine, and sulfur to form inorganic arsenic compounds. Arsenic in animals and plants combines with carbon and hydrogen to form organic arsenic compounds.

Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides, primarily on cotton plants.

### What happens to arsenic when it enters the environment?

- Arsenic cannot be destroyed in the environment. It can only change its form.
- Arsenic in air will settle to the ground or is washed out of the air by rain.
- Many arsenic compounds can dissolve in water.
- Fish and shellfish can accumulate arsenic, but the arsenic in fish is mostly in a form that is not harmful.

### How might I be exposed to arsenic?

- Eating food, drinking water, or breathing air containing arsenic.
- Breathing contaminated workplace air.
- Breathing sawdust or burning smoke from wood treated with arsenic.
- Living near uncontrolled hazardous waste sites containing arsenic.
- Living in areas with unusually high natural levels of arsenic in rock.

### How can arsenic affect my health?

Breathing high levels of inorganic arsenic can give you a sore throat or irritated lungs. Ingesting high levels of inorganic arsenic can result in death. Lower levels of arsenic can cause nausea and vomiting, decreased production of red and white blood cells, abnormal heart rhythm, damage to blood vessels, and a sensation of "pins and needles" in hands and feet.

Ingesting or breathing low levels of inorganic arsenic for a long time can cause a darkening of the skin and the

ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>

appearance of small “corns” or “warts” on the palms, soles, and torso.

Skin contact with inorganic arsenic may cause redness and swelling.

Organic arsenic compounds are less toxic than inorganic arsenic compounds. Exposure to high levels of some organic arsenic compounds may cause similar effects as inorganic arsenic.

### How likely is arsenic to cause cancer?

Several studies have shown that inorganic arsenic can increase the risk of lung cancer, skin cancer, bladder cancer, liver cancer, kidney cancer, and prostate cancer. The World Health Organization (WHO), the Department of Health and Human Services (DHHS), and the EPA have determined that inorganic arsenic is a human carcinogen.

### How can arsenic affect children?

We do not know if exposure to arsenic will result in birth defects or other developmental effects in people. Birth defects have been observed in animals exposed to inorganic arsenic.

It is likely that health effects seen in children exposed to high amounts of arsenic will be similar to the effects seen in adults.

### How can families reduce the risk of exposure to arsenic?

- If you use arsenic-treated wood in home projects, you should wear dust masks, gloves, and protective clothing to decrease exposure to sawdust.
- If you live in an area with high levels of arsenic in water or soil, you should use cleaner sources of water and limit contact with soil.

### Is there a medical test to show whether I've been exposed to arsenic?

There are tests to measure the level of arsenic in blood, urine, hair, or fingernails. The urine test is the most reliable test for arsenic exposure within the last few days. Tests on hair and fingernails can measure exposure to high levels of arsenic over the past 6-12 months. These tests can determine if you have been exposed to above-average levels of arsenic. They cannot predict how the arsenic levels in your body will affect your health.

### Has the federal government made recommendations to protect human health?

EPA has set limits on the amount of arsenic that industrial sources can release to the environment and has restricted or canceled many uses of arsenic in pesticides. EPA has set a limit of 0.01 parts per million (ppm) for arsenic in drinking water.

The Occupational Safety and Health Administration has set limits of 10 µg arsenic per cubic meter of workplace air (10 µg/m<sup>3</sup>) for 8 hour shifts and 40 hour work weeks.

### Source of Information

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for Arsenic. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about barium and barium compounds. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because these substances may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Exposure to barium occurs mostly in the workplace or from drinking contaminated water. Ingesting drinking water containing levels of barium above the EPA drinking water guidelines for relatively short periods of time can cause gastrointestinal disturbances and muscle weakness. Ingesting high levels for a long time can damage the kidneys. Barium and barium compounds have been found in at least 798 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

### What is barium?

Barium is a silvery-white metal which exists in nature only in ores containing mixtures of elements. It combines with other chemicals such as sulfur or carbon and oxygen to form barium compounds.

Barium compounds are used by the oil and gas industries to make drilling muds. Drilling muds make it easier to drill through rock by keeping the drill bit lubricated. They are also used to make paint, bricks, ceramics, glass, and rubber.

Barium sulfate is sometimes used by doctors to perform medical tests and to take x-rays of the gastrointestinal tract.

### What happens to barium when it enters the environment?

- Barium gets into the air during the mining, refining, and production of barium compounds, and from the burning of coal and oil.
- The length of time that barium will last in air, land, water, or sediments depends on the form of barium released.
- Barium compounds, such as barium sulfate and barium carbonate, which do not dissolve well in water, can last a long time in the environment.

Barium compounds, such as barium chloride, barium nitrate, or barium hydroxide, that dissolve easily in water usually do not last in these forms for a long time in the environment. The barium in these compounds that is dissolved in water quickly combines with sulfate or carbonate that are naturally found in water and become the longer lasting forms (barium sulfate and barium carbonate).

Fish and aquatic organisms can accumulate barium.

### How might I be exposed to barium?

- Ingesting small amounts present in your food and water or breathing air containing very low levels of barium.
- Living in areas with unusually high natural levels of barium in the drinking water.
- Working in a job that involves barium production or use.
- Living or working near waste sites where barium has been disposed of.

### How can barium affect my health?

The health effects of the different barium compounds depend on how well the compound dissolves in water or in the stomach contents. Barium compounds that do not dissolve well, such as barium sulfate, are not generally harmful.

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Barium has been found to potentially cause gastrointestinal disturbances and muscular weakness when people are exposed to it at levels above the EPA drinking water standards for relatively short periods of time. Some people who eat or drink amounts of barium above background levels found in food and water for a short period may experience vomiting, abdominal cramps, diarrhea, difficulties in breathing, increased or decreased blood pressure, numbness around the face, and muscle weakness. Eating or drinking very large amounts of barium compounds that easily dissolve can cause changes in heart rhythm or paralysis and possibly death. Animals that drank barium over long periods had damage to the kidneys, decreases in body weight, and some died.

### How likely is barium to cause cancer?

The Department of Health and Human Services (DHHS) and the International Agency for Research on Cancer (IARC) have not classified barium as to its carcinogenicity. The EPA has determined that barium is not likely to be carcinogenic to humans following ingestion and that there is insufficient information to determine whether it will be carcinogenic to humans following inhalation exposure.

### How can barium affect children?

We do not know whether children will be more or less sensitive than adults to barium toxicity. A study in rats that swallowed barium found a decrease in newborn body weight; we do not know if a similar effect would be seen in humans.

### How can families reduce the risks of exposure to barium?

The greatest potential source of barium exposure is through food and drinking water. However, the amount of barium in foods and drinking water are typically too low to be of concern.

### Is there a medical test to determine whether I've been exposed to barium?

There is no routine medical test to determine whether you have been exposed to barium. Doctors can measure barium in body tissues and fluids, such as bones, blood, urine, and feces, using very complex instruments. These tests cannot be used to predict the extent of the exposure or potential health effects.

The geometric mean barium level measured in the U.S. general population aged 6 and older is reported by the Centers for Disease Control and Prevention (CDC) as 1.44 µg/g creatinine (measured in urine).

### Has the federal government made recommendations to protect human health?

The EPA has set a limit of 2.0 milligrams of barium per liter of drinking water (2.0 mg/L), which is the same as 2 ppm.

The Occupational Safety and Health Administration (OSHA) has set Permissible Exposure Limits (PELs) of 0.5 milligrams of soluble barium compounds per cubic meter of workplace air (0.5 mg/m<sup>3</sup>) for 8 hour shifts and 40 hour work weeks. The OSHA limits for barium sulfate dust are 15 mg/m<sup>3</sup> of total dust and 5 mg/m<sup>3</sup> for respirable fraction.

The National Institute for Occupational Safety and Health (NIOSH) has set Recommended Exposure Limits (RELs) of 0.5 mg/m<sup>3</sup> for soluble barium compounds. The NIOSH has set RELs of 10 mg/m<sup>3</sup> (total dust) for barium sulfate and 5 mg/m<sup>3</sup> (respirable fraction).

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for Barium and Compounds (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about benzene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS: Benzene is a widely used chemical formed from both natural processes and human activities. Breathing benzene can cause drowsiness, dizziness, and unconsciousness; long-term benzene exposure causes effects on the bone marrow and can cause anemia and leukemia. Benzene has been found in at least 813 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

## What is benzene?

(Pronounced bĕn'zĕn')

Benzene is a colorless liquid with a sweet odor. It evaporates into the air very quickly and dissolves slightly in water. It is highly flammable and is formed from both natural processes and human activities.

Benzene is widely used in the United States; it ranks in the top 20 chemicals for production volume. Some industries use benzene to make other chemicals which are used to make plastics, resins, and nylon and synthetic fibers. Benzene is also used to make some types of rubbers, lubricants, dyes, detergents, drugs, and pesticides. Natural sources of benzene include volcanoes and forest fires. Benzene is also a natural part of crude oil, gasoline, and cigarette smoke.

## What happens to benzene when it enters the environment?

- Industrial processes are the main source of benzene in the environment.
- Benzene can pass into the air from water and soil.
- It reacts with other chemicals in the air and breaks down within a few days.
- Benzene in the air can attach to rain or snow and be carried back down to the ground.

- It breaks down more slowly in water and soil, and can pass through the soil into underground water.
- Benzene does not build up in plants or animals.

## How might I be exposed to benzene?

- Outdoor air contains low levels of benzene from tobacco smoke, automobile service stations, exhaust from motor vehicles, and industrial emissions.
- Indoor air generally contains higher levels of benzene from products that contain it such as glues, paints, furniture wax, and detergents.
- Air around hazardous waste sites or gas stations will contain higher levels of benzene.
- Leakage from underground storage tanks or from hazardous waste sites containing benzene can result in benzene contamination of well water.
- People working in industries that make or use benzene may be exposed to the highest levels of it.
- A major source of benzene exposures is tobacco smoke.

## How can benzene affect my health?

Breathing very high levels of benzene can result in death, while high levels can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. Eating or drinking foods containing high levels of benzene can cause vomiting, irritation of the stomach, dizziness, sleepiness, convulsions, rapid heart rate, and death.

ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>

The major effect of benzene from long-term (365 days or longer) exposure is on the blood. Benzene causes harmful effects on the bone marrow and can cause a decrease in red blood cells leading to anemia. It can also cause excessive bleeding and can affect the immune system, increasing the chance for infection.

Some women who breathed high levels of benzene for many months had irregular menstrual periods and a decrease in the size of their ovaries. It is not known whether benzene exposure affects the developing fetus in pregnant women or fertility in men.

Animal studies have shown low birth weights, delayed bone formation, and bone marrow damage when pregnant animals breathed benzene.

### **How likely is benzene to cause cancer?**

The Department of Health and Human Services (DHHS) has determined that benzene is a known human carcinogen. Long-term exposure to high levels of benzene in the air can cause leukemia, cancer of the blood-forming organs.

### **Is there a medical test to show whether I've been exposed to benzene?**

Several tests can show if you have been exposed to benzene. There is test for measuring benzene in the breath; this test must be done shortly after exposure. Benzene can also be measured in the blood, however, since benzene disappears rapidly from the blood, measurements are accurate only for recent exposures.

In the body, benzene is converted to products called metabolites. Certain metabolites can be measured in the urine. However, this test must be done shortly after exposure and is not a reliable indicator of how much benzene you have been exposed to, since the metabolites may be present in urine from other sources.

### **Has the federal government made recommendations to protect human health?**

The EPA has set the maximum permissible level of benzene in drinking water at 0.005 milligrams per liter (0.005 mg/L). The EPA requires that spills or accidental releases into the environment of 10 pounds or more of benzene be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) has set a permissible exposure limit of 1 part of benzene per million parts of air (1 ppm) in the workplace during an 8-hour workday, 40-hour workweek.

### **Glossary**

Anemia: A decreased ability of the blood to transport oxygen.

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Chromosomes: Parts of the cells responsible for the development of hereditary characteristics.

Metabolites: Breakdown products of chemicals.

Milligram (mg): One thousandth of a gram.

Pesticide: A substance that kills pests.

### **References**

This ToxFAQs information is taken from the 1997 Toxicological Profile for Benzene (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



**This fact sheet answers the most frequently asked health questions (FAQs) about cadmium. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.**

**HIGHLIGHTS: Exposure to cadmium happens mostly in the workplace where cadmium products are made. The general population is exposed from breathing cigarette smoke or eating cadmium contaminated foods. Cadmium damages the lungs, can cause kidney disease, and may irritate the digestive tract. This substance has been found in at least 776 of the 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

## What is cadmium?

(Pronounced kăd'mē-əm)

Cadmium is a natural element in the earth's crust. It is usually found as a mineral combined with other elements such as oxygen (cadmium oxide), chlorine (cadmium chloride), or sulfur (cadmium sulfate, cadmium sulfide).

All soils and rocks, including coal and mineral fertilizers, contain some cadmium. Most cadmium used in the United States is extracted during the production of other metals like zinc, lead, and copper. Cadmium does not corrode easily and has many uses, including batteries, pigments, metal coatings, and plastics.

## What happens to cadmium when it enters the environment?

- Cadmium enters air from mining, industry, and burning coal and household wastes.
- Cadmium particles in air can travel long distances before falling to the ground or water.
- It enters water and soil from waste disposal and spills or leaks at hazardous waste sites.
- It binds strongly to soil particles.
- Some cadmium dissolves in water.

- It doesn't break down in the environment, but can change forms.
- Fish, plants, and animals take up cadmium from the environment.
- Cadmium stays in the body a very long time and can build up from many years of exposure to low levels.

## How might I be exposed to cadmium?

- Breathing contaminated workplace air (battery manufacturing, metal soldering or welding).
- Eating foods containing it; low levels in all foods (highest in shellfish, liver, and kidney meats).
- Breathing cadmium in cigarette smoke (doubles the average daily intake).
- Drinking contaminated water.
- Breathing contaminated air near the burning of fossil fuels or municipal waste.

## How can cadmium affect my health?

Breathing high levels of cadmium severely damages the lungs and can cause death. Eating food or drinking water with very high levels severely irritates the stomach, leading to vomiting and diarrhea. Long-term exposure to lower levels of cadmium in air, food, or water leads to a buildup of cadmium in the kidneys and possible kidney disease.

ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>

Other long-term effects are lung damage and fragile bones. Animals given cadmium in food or water had high blood pressure, iron-poor blood, liver disease, and nerve or brain damage.

We don't know if humans get any of these diseases from eating or drinking cadmium. Skin contact with cadmium is not known to cause health effects in humans or animals.

### How likely is cadmium to cause cancer?

The Department of Health and Human Services (DHHS) has determined that cadmium and cadmium compounds may reasonably be anticipated to be carcinogens.

### How can cadmium affect children?

The health effects in children are expected to be similar to those in adults (kidney, lung and intestinal damage).

We don't know if cadmium causes birth defects in people. Cadmium does not readily go from a pregnant woman's body into the developing child, but some portion can cross the placenta. It can also be found in breast milk. The babies of animals exposed to high levels of cadmium during pregnancy had changes in behavior and learning ability. Cadmium may also affect birth weight and the skeleton in developing animals.

Animal studies also indicate that more cadmium is absorbed into the body if the diet is low in calcium, protein, or iron, or is high in fat. A few studies show that younger animals absorb more cadmium and are more likely to lose bone and bone strength than adults.

### How can families reduce the risk of exposure to cadmium?

In the home, store substances that contain cadmium safely, and keep nickel-cadmium batteries out of reach of young

children. If you work with cadmium, use all safety precautions to avoid carrying cadmium-containing dust home from work on your clothing, skin, hair, or tools.

A balanced diet can reduce the amount of cadmium taken into the body from food and drink.

### Is there a medical test to show whether I've been exposed to cadmium?

Tests are available in some medical laboratories that measure cadmium in blood, urine, hair, or nails. Blood levels show recent exposure to cadmium, and urine levels show both recent and earlier exposure. The reliability of tests for cadmium levels in hair or nails is unknown.

### Has the federal government made recommendations to protect human health?

The EPA has set a limit of 5 parts of cadmium per billion parts of drinking water (5 ppb). EPA doesn't allow cadmium in pesticides.

The Food and Drug Administration (FDA) limits the amount of cadmium in food colors to 15 parts per million (15 ppm).

The Occupational Safety and Health Administration (OSHA) limits workplace air to 100 micrograms cadmium per cubic meter (100  $\mu\text{g}/\text{m}^3$ ) as cadmium fumes and 200  $\mu\text{g}/\text{m}^3$  as cadmium dust.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for cadmium. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about chromium. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Exposure to chromium occurs from ingesting contaminated food or drinking water or breathing contaminated workplace air. Chromium(VI) at high levels can damage the nose and cause cancer. Ingesting high levels of chromium(VI) may result in anemia or damage to the stomach or intestines. Chromium(III) is an essential nutrient. Chromium has been found in at least 1,127 of the 1,669 National Priorities List sites identified by the Environmental Protection Agency (EPA).

### What is chromium?

Chromium is a naturally occurring element found in rocks, animals, plants, and soil. It can exist in several different forms. Depending on the form it takes, it can be a liquid, solid, or gas. The most common forms are chromium(0), chromium(III), and chromium(VI). No taste or odor is associated with chromium compounds.

The metal chromium, which is the chromium(0) form, is used for making steel. Chromium(VI) and chromium(III) are used for chrome plating, dyes and pigments, leather tanning, and wood preserving.

### What happens to chromium when it enters the environment?

- Chromium can be found in air, soil, and water after release from the manufacture, use, and disposal of chromium-based products, and during the manufacturing process.
- Chromium does not usually remain in the atmosphere, but is deposited into the soil and water.
- Chromium can easily change from one form to another in water and soil, depending on the conditions present.
- Fish do not accumulate much chromium in their bodies from water.

### How might I be exposed to chromium?

- Eating food containing chromium(III).

- Breathing contaminated workplace air or skin contact during use in the workplace.
- Drinking contaminated well water.
- Living near uncontrolled hazardous waste sites containing chromium or industries that use chromium.

### How can chromium affect my health?

Chromium(III) is an essential nutrient that helps the body use sugar, protein, and fat.

Breathing high levels of chromium(VI) can cause irritation to the lining of the nose, nose ulcers, runny nose, and breathing problems, such as asthma, cough, shortness of breath, or wheezing. The concentrations of chromium in air that can cause these effects may be different for different types of chromium compounds, with effects occurring at much lower concentrations for chromium(VI) compared to chromium(III).

The main health problems seen in animals following ingestion of chromium(VI) compounds are irritation and ulcers in the stomach and small intestine and anemia. Chromium(III) compounds are much less toxic and do not appear to cause these problems.

Sperm damage and damage to the male reproductive system have also been seen in laboratory animals exposed to chromium(VI).

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Skin contact with certain chromium(VI) compounds can cause skin ulcers. Some people are extremely sensitive to chromium(VI) or chromium(III). Allergic reactions consisting of severe redness and swelling of the skin have been noted.

### How likely is chromium to cause cancer?

The Department of Health and Human Services (DHHS), the International Agency for Research on Cancer (IARC), and the EPA have determined that chromium(VI) compounds are known human carcinogens. In workers, inhalation of chromium(VI) has been shown to cause lung cancer. Chromium(VI) also causes lung cancer in animals. An increase in stomach tumors was observed in humans and animals exposed to chromium(VI) in drinking water.

### How can chromium affect children?

It is likely that health effects seen in children exposed to high amounts of chromium will be similar to the effects seen in adults.

We do not know if exposure to chromium will result in birth defects or other developmental effects in people. Some developmental effects have been observed in animals exposed to chromium(VI).

### How can families reduce the risks of exposure to chromium?

- Children should avoid playing in soils near uncontrolled hazardous waste sites where chromium may have been discarded.
- Chromium is a component of tobacco smoke. Avoid smoking in enclosed spaces like inside the home or car in order to limit exposure to children and other family members.
- Although chromium(III) is an essential nutrient, you should avoid excessive use of dietary supplements containing chromium.

### Is there a medical test to determine whether I've been exposed to chromium?

Since chromium(III) is an essential element and naturally occurs in food, there will always be some level of chromium in your body. Chromium can be measured in hair, urine, and blood.

Higher than normal levels of chromium in blood or urine may indicate that a person has been exposed to chromium. However, increases in blood and urine chromium levels cannot be used to predict the kind of health effects that might develop from that exposure.

### Has the federal government made recommendations to protect human health?

The EPA has determined that exposure to chromium in drinking water at concentrations of 1 mg/L for up to 10 days is not expected to cause any adverse effects in a child.

The FDA has determined that the chromium concentration in bottled drinking water should not exceed 1 mg/L.

The Occupational Health and Safety Administration (OSHA) has limited workers' exposure to an average of 0.0005 mg/m<sup>3</sup> chromium(VI), 0.5 mg/m<sup>3</sup> chromium(III), and 1.0 mg/m<sup>3</sup> chromium(0) for an 8-hour workday, 40-hour workweek.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2008. Toxicological Profile for Chromium (Draft for Public Comment). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about copper. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS: Copper is a reddish metal that occurs naturally in the environment. It also occurs naturally in plants and animals. Low levels of copper are essential for maintaining good health. High levels can cause harmful effects such as irritation of the nose, mouth and eyes, vomiting, diarrhea, stomach cramps, and nausea. Copper has been found in at least 884 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

#### What is copper?

Copper is a reddish metal that occurs naturally in rocks, soil, water, and air. Copper also occurs naturally in plants and animals.

Metallic copper can be easily molded or shaped. Metallic copper can be found in the U.S. penny, electrical wiring, and some water pipes. Metallic copper is also found in mixtures (called alloys) with other metals such as brass and bronze. Copper is also found as part of other compounds forming salts. Copper salts occur naturally, but are also manufactured. The most common copper salt is copper sulfate. Most copper compounds are blue-green in color. Copper compounds are commonly used in agriculture to treat plant diseases like mildew, for water treatment and, as preservatives for wood, leather, and fabrics.

#### What happens to copper when it enters the environment?

- Copper can enter the environment from the mining of copper and other metals and from factories that make or use metallic copper or copper compounds.
- It can also enter the environment through domestic waste water, combustion of fossil fuels and wastes, wood production, phosphate fertilizer production, and natural sources (e.g., windblown dust from soils, volcanoes, decaying vegetation, forest fires, and sea spray).
- Copper in soil strongly attaches to organic material and minerals.

- Copper that dissolves in water becomes rapidly bound to particles suspended in the water.
- Copper does not typically enter groundwater.
- Copper carried by particles emitted from smelters and ore processing plants is carried back to the ground by gravity or in rain or snow.
- Copper does not break down in the environment.

#### How might I be exposed to copper?

- Breathing air, drinking water, eating food, and by skin contact with soil, water, or other copper-containing substances.
- Some copper in the environment can be taken up by plants and animals.
- Higher exposure may occur if your water is corrosive and you have copper plumbing and brass water fixtures.  You may be exposed to higher amounts of copper if you drink water or swim in lakes or reservoirs recently treated with copper to control algae or receive cooling water from a power plant that may have high amounts of dissolved copper.
- Using some garden products (e.g., fungicides) to control plant diseases.
- Living near bronze and brass production facilities may expose you to higher copper levels in soil.
- You may breathe copper-containing dust or have skin contact if you work in the industry of mining copper or

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processing the ore. You may breathe high levels if you grind or weld copper metal.

### How can copper affect my health?

Copper is essential for good health, but high amounts can be harmful. Long-term exposure to copper dust can irritate your nose, mouth, and eyes, and cause headaches, dizziness, nausea, and diarrhea.

Drinking water with higher than normal levels of copper may cause vomiting, diarrhea, stomach cramps, and nausea. Intentionally high intakes of copper can cause liver and kidney damage and even death.

### How likely is copper to cause cancer?

We do not know whether copper can cause cancer in humans. The EPA has determined that copper is not classifiable as to carcinogenicity.

### How can copper affect children?

Exposure to high levels of copper will result in the same type of effects in children and adults. Studies in animals suggest that the young children may have more severe effects than adults; we do not know if this would also be true in humans. There is a very small percentage of infants and children who are unusually sensitive to copper.

We do not know if copper can cause birth defects or other developmental effects in humans. Studies in animals suggest that ingestion of high levels of copper may cause a decrease in fetal growth.

### How can families reduce the risk of exposure to copper?

- The greatest potential source of copper exposure is through drinking water, especially in water that is first drawn in the morning after sitting in copper pipes and brass faucets overnight.
- To reduce exposure, run the water for at least 15-30 seconds before using it.
- If you are exposed to copper at work, you may carry

copper home on your skin, clothes, or tools. You can avoid this by showering, and changing clothing before leaving work, and your work clothes should be kept separate from other clothes and laundered separately.

### Is there a medical test to show whether I've been exposed to copper?

Copper is normally found in all tissues of the body, blood, urine, feces, hair, and nails. High levels of copper in these samples can show that you have been exposed to higher than normal levels of copper. Tests to measure copper levels in the body are not routinely available at the doctor's office because they require special equipment. These tests cannot tell the extent of exposure or whether you will experience harmful effects.

### Has the federal government made recommendations to protect human health?

The EPA has determined that drinking water should not contain more than 1.3 milligrams of copper per liter of water (1.3 mg/L).

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.1 mg per cubic meter (0.1 mg/m<sup>3</sup>) of copper fumes (vapor generated from heating copper) and 1 mg/m<sup>3</sup> of copper dusts (fine metallic copper particles) and mists (aerosol of soluble copper) in workroom air during an 8-hour work shift, 40-hour workweek.

The Food and Nutrition Board of the Institute of Medicine recommends dietary allowances (RDAs) of 340 micrograms (340 µg) of copper per day for children aged 1-3 years, 440 µg/day for children aged 4-8 years, 700 µg/day for children aged 9-13 years, 890 µg/day for children aged 14-18 years, and 900 µg/day for adults.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for Copper (Draft for Public Comment). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about DDT, DDE, and DDD. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Exposure to DDT, DDE, and DDD occurs mostly from eating foods containing small amounts of these compounds, particularly meat, fish and poultry. High levels of DDT can affect the nervous system causing excitability, tremors and seizures. In women, DDE can cause a reduction in the duration of lactation and an increased chance of having a premature baby. DDT, DDE, and DDD have been found in at least 441 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA).

### What are DDT, DDE, and DDD?

DDT (dichlorodiphenyltrichloroethane) is a pesticide once widely used to control insects in agriculture and insects that carry diseases such as malaria. DDT is a white, crystalline solid with no odor or taste. Its use in the U.S. was banned in 1972 because of damage to wildlife, but is still used in some countries.

DDE (dichlorodiphenyldichloroethylene) and DDD (dichlorodiphenyldichloroethane) are chemicals similar to DDT that contaminate commercial DDT preparations. DDE has no commercial use. DDD was also used to kill pests, but its use has also been banned. One form of DDD has been used medically to treat cancer of the adrenal gland.

### What happens to DDT, DDE, and DDD when they enter the environment?

- DDT entered the environment when it was used as a pesticide; it still enters the environment due to current use in other countries.
- DDE enters the environment as contaminant or breakdown product of DDT; DDD also enters the environment as a breakdown product of DDT.
- DDT, DDE, and DDD in air are rapidly broken down by sunlight. Half of what's in air breaks down within 2 days.
- They stick strongly to soil; most DDT in soil is broken down slowly to DDE and DDD by microorganisms; half the DDT in soil will break down in 2-15 years, depending on the type of soil.

- Only a small amount will go through the soil into groundwater; they do not dissolve easily in water.
- DDT, and especially DDE, build up in plants and in fatty tissues of fish, birds, and other animals.

### How might I be exposed to DDT, DDE, and DDD?

- Eating contaminated foods, such as root and leafy vegetables, fatty meat, fish, and poultry, but levels are very low.
- Eating contaminated imported foods from countries that still allow the use of DDT to control pests.
- Breathing contaminated air or drinking contaminated water near waste sites and landfills that may contain higher levels of these chemicals.
- Infants fed on breast milk from mothers who have been exposed.
- Breathing or swallowing soil particles near waste sites or landfills that contain these chemicals.

### How can DDT, DDE, and DDD affect my health?

DDT affects the nervous system. People who accidentally swallowed large amounts of DDT became excitable and had tremors and seizures. These effects went away after the exposure stopped. No effects were seen in people who took small daily doses of DDT by capsule for 18 months. A study in humans showed that women who had high amounts of a form of DDE in their breast milk were unable to

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breast feed their babies for as long as women who had little DDE in the breast milk. Another study in humans showed that women who had high amounts of DDE in breast milk had an increased chance of having premature babies. In animals, short-term exposure to large amounts of DDT in food affected the nervous system, while long-term exposure to smaller amounts affected the liver. Also in animals, short-term oral exposure to small amounts of DDT or its breakdown products may also have harmful effects on reproduction.

### How likely are DDT, DDE, and DDD to cause cancer?

Studies in DDT-exposed workers did not show increases in cancer. Studies in animals given DDT with the food have shown that DDT can cause liver cancer. The Department of Health and Human Services (DHHS) determined that DDT may reasonably be anticipated to be a human carcinogen. The International Agency for Research on Cancer (IARC) determined that DDT may possibly cause cancer in humans. The EPA determined that DDT, DDE, and DDD are probable human carcinogens.

### How can DDT, DDE, and DDD affect children?

There are no studies on the health effects of children exposed to DDT, DDE, or DDD. We can assume that children exposed to large amounts of DDT will have health effects similar to the effects seen in adults. However, we do not know whether children differ from adults in their susceptibility to these substances.

There is no evidence that DDT, DDE, or DDD cause birth defects in people. A study showed that teenage boys whose mothers had higher DDE amounts in the blood when they were pregnant were taller than those whose mothers had lower DDE levels. However, a different study found the opposite in preteen girls. The reason for the discrepancy between these studies is unknown.

Studies in rats have shown that DDT and DDE can mimic the action of natural hormones and in this way affect the development of the reproductive and nervous systems. Puberty was delayed in male rats given high amounts of DDE as juveniles. This could possibly happen in humans.

A study in mice showed that exposure to DDT during the first weeks of life may cause neurobehavioral problems later in life.

### How can families reduce the risk of exposure to DDT, DDE, and DDE?

- Most families will be exposed to DDT by eating food or drinking liquids contaminated with small amounts of DDT.
- Cooking will reduce the amount of DDT in fish.
- Washing fruit and vegetables will remove most DDT from their surface.
- Follow health advisories that tell you about consumption of fish and wildlife caught in contaminated areas.

### Is there a medical test to show whether I've been exposed to DDT, DDE, and DDD?

Laboratory tests can detect DDT, DDE, and DDD in fat, blood, urine, semen, and breast milk. These tests may show low, moderate, or excessive exposure to these compounds, but cannot tell the exact amount you were exposed to, or whether you will experience adverse effects. These tests are not routinely available at the doctor's office because they require special equipment.

### Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) sets a limit of 1 milligram of DDT per cubic meter of air (1 mg/m<sup>3</sup>) in the workplace for an 8-hour shift, 40-hour workweek.

The Food and Drug Administration (FDA) has set limits for DDT, DDE, and DDD in foodstuff at or above which the agency will take legal action to remove the products from the market.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for DDT/DDE/DDD (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about ethylbenzene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Ethylbenzene is a colorless liquid found in a number of products including gasoline and paints. Breathing very high levels can cause dizziness and throat and eye irritation. Ethylbenzene has been found in at least 731 of the 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).

### What is ethylbenzene?

(Pronounced ěth' əl bĕn' zĕn')

Ethylbenzene is a colorless, flammable liquid that smells like gasoline. It is found in natural products such as coal tar and petroleum and is also found in manufactured products such as inks, insecticides, and paints.

Ethylbenzene is used primarily to make another chemical, styrene. Other uses include as a solvent, in fuels, and to make other chemicals.

### What happens to ethylbenzene when it enters the environment?

- Ethylbenzene moves easily into the air from water and soil.
- It takes about 3 days for ethylbenzene to be broken down in air into other chemicals.
- Ethylbenzene may be released to water from industrial discharges or leaking underground storage tanks.
- In surface water, ethylbenzene breaks down by reacting with other chemicals found naturally in water.
- In soil, it is broken down by soil bacteria.

### How might I be exposed to ethylbenzene?

- Breathing air containing ethylbenzene, particularly in areas near factories or highways.
- Drinking contaminated tap water.
- Working in an industry where ethylbenzene is used or made.
- Using products containing it, such as gasoline, carpet glues, varnishes, and paints.

### How can ethylbenzene affect my health?

Limited information is available on the effects of ethylbenzene on people's health. The available information shows dizziness, throat and eye irritation, tightening of the chest, and a burning sensation in the eyes of people exposed to high levels of ethylbenzene in air.

Animals studies have shown effects on the nervous system, liver, kidneys, and eyes from breathing ethylbenzene in air.

### How likely is ethylbenzene to cause cancer?

The EPA has determined that ethylbenzene is not classified as to human carcinogenicity.

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No studies in people have shown that ethylbenzene exposure can result in cancer. Two available animal studies suggest that ethylbenzene may cause tumors.

### How can ethylbenzene affect children?

Children may be exposed to ethylbenzene through inhalation of consumer products, including gasoline, paints, inks, pesticides, and carpet glue. We do not know whether children are more sensitive to the effects of ethylbenzene than adults.

It is not known whether ethylbenzene can affect the development of the human fetus. Animal studies have shown that when pregnant animals were exposed to ethylbenzene in air, their babies had an increased number of birth defects.

### How can families reduce the risk of exposure to ethylbenzene?

Exposure to ethylbenzene vapors from household products and newly installed carpeting can be minimized by using adequate ventilation.

Household chemicals should be stored out of reach of children to prevent accidental poisoning. Always store household chemicals in their original containers; never store them in containers children would find attractive to eat or drink from, such as old soda bottles. Gasoline should be stored in a gasoline can with a locked cap.

Sometimes older children sniff household chemicals, including ethylbenzene, in an attempt to get high. Talk with your children about the dangers of sniffing chemicals.

### Is there a medical test to show whether I've been exposed to ethylbenzene?

Ethylbenzene is found in the blood, urine, breath, and

some body tissues of exposed people. The most common way to test for ethylbenzene is in the urine. This test measures substances formed by the breakdown of ethylbenzene. This test needs to be done within a few hours after exposure occurs, because the substances leave the body very quickly.

These tests can show you were exposed to ethylbenzene, but cannot predict the kind of health effects that might occur.

### Has the federal government made recommendations to protect human health?

The EPA has set a maximum contaminant level of 0.7 milligrams of ethylbenzene per liter of drinking water (0.7 mg/L).

The EPA requires that spills or accidental releases into the environment of 1,000 pounds or more of ethylbenzene be reported to the EPA.

The Occupational Safety and Health Administration (OSHA) has set an occupational exposure limit of 100 parts of ethylbenzene per million parts of air (100 ppm) for an 8-hour workday, 40-hour workweek.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for ethylbenzene. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about fuel oils. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**SUMMARY: Fuel oils are liquid mixtures produced from petroleum, and their use mostly involves burning them as fuels. Drinking or breathing fuel oils may cause nausea or nervous system effects. However, exposure under normal use conditions is not likely to be harmful. Fuel oils have been found in at least 26 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

## What are fuel oils?

(Pronounced fyoo'el oilz)

Fuel oils are a variety of yellowish to light brown liquid mixtures that come from crude petroleum. Some chemicals found in fuel oils may evaporate easily, while others may more easily dissolve in water.

Fuel oils are produced by different petroleum refining processes, depending on their intended uses. Fuel oils may be used as fuel for engines, lamps, heaters, furnaces, and stoves, or as solvents.

Some commonly found fuel oils include kerosene, diesel fuel, jet fuel, range oil, and home heating oil. These fuel oils differ from one another by their hydrocarbon compositions, boiling point ranges, chemical additives, and uses.

## What happens to fuel oils when they enter the environment?

- Some chemicals found in fuel oils may evaporate into the air from open containers or contaminated soil or water.
- Some chemicals found in fuel oils may dissolve in water after spills to surface waters or leaks from underground storage tanks.

- Some chemicals found in fuel oils may stick to particles in water, which will eventually cause them to settle to the bottom sediment.
- Some of the chemicals found in fuel oils may be broken down slowly in air, water, and soil by sunlight or small organisms.
- Some of the chemicals found in fuel oils may build up significantly in plants and animals.

## How might I be exposed to fuel oils?

- Using a home kerosene heater or stove, or using fuel oils at work.
- Breathing air in home or building basements that has been contaminated with fuel oil vapors entering from the soil.
- Drinking or swimming in water that has been contaminated with fuel oils from a spill or a leaking underground storage tank.
- Touching soil contaminated with fuel oils.
- Using fuel oils to wash paint or grease from skin or equipment.

## How can fuel oils affect my health?

Little information is available about the health effects that may be caused by fuel oils. People who use kerosene

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stoves for cooking do not seem to have any health problems related to their exposure.

Breathing some fuel oils for short periods may cause nausea, eye irritation, increased blood pressure, headache, lightheadedness, loss of appetite, poor coordination, and difficulty concentrating. Breathing diesel fuel vapors for long periods may cause kidney damage and lower your blood's ability to clot.

Drinking small amounts of kerosene may cause vomiting, diarrhea, coughing, stomach swelling and cramps, drowsiness, restlessness, painful breathing, irritability, and unconsciousness. Drinking large amounts of kerosene may cause convulsions, coma, or death. Skin contact with kerosene for short periods may cause itchy, red, sore, or peeling skin.

### How likely are fuel oils to cause cancer?

The International Agency for Research on Cancer (IARC) has determined that some fuel oils (heavy) may possibly cause cancer in humans, but for other fuel oils (light) there is not enough information to make a determination. IARC has also determined that occupational exposures to fuel oils during petroleum refining are probably carcinogenic in humans.

Some studies with mice have suggested that repeated contact with fuel oils may cause liver or skin cancer. However, other mouse studies have found this not to be the case. No studies are available in other animals or in people on the carcinogenic effects of fuel oils.

### Is there a medical test to show whether I've been exposed to fuel oils?

There is no medical test that shows if you have been exposed to fuel oils. Tests are available to determine if some of

the chemicals commonly found in fuel oils are in your blood. However, the presence of these chemicals in blood may not necessarily mean that you have been exposed to fuel oils.

### Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) and the Air Force Office of Safety and Health (AFOSH) have set a permissible exposure level (PEL) of 400 parts of petroleum distillates per million parts of air (400 ppm) for an 8-hour workday, 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) recommends that average workplace air levels not exceed 350 milligrams of petroleum distillates per cubic meter of air (350 mg/m<sup>3</sup>) for a 40-hour workweek.

The Department of Transportation (DOT) lists fuel oils as hazardous materials and, therefore, regulates their transportation.

### Glossary

Carcinogenic: Able to cause cancer.

CAS: Chemical Abstracts Service.

Evaporate: To change into a vapor or a gas.

Hydrocarbon: Any compound made up of hydrogen and carbon.

Milligram (mg): One thousandth of a gram.

ppm: Parts per million.

Sediment: Mud and debris that have settled to the bottom of a body of water.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for fuel oils. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about lead. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Exposure to lead can happen from breathing workplace air or dust, eating contaminated foods, or drinking contaminated water. Children can be exposed from eating lead-based paint chips or playing in contaminated soil. Lead can damage the nervous system, kidneys, and reproductive system. Lead has been found in at least 1,272 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

### What is lead?

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead can be found in all parts of our environment. Much of it comes from human activities including burning fossil fuels, mining, and manufacturing.

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays. Because of health concerns, lead from paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years. The use of lead as an additive to gasoline was banned in 1996 in the United States.

### What happens to lead when it enters the environment?

- Lead itself does not break down, but lead compounds are changed by sunlight, air, and water.
- When lead is released to the air, it may travel long distances before settling to the ground.
- Once lead falls onto soil, it usually sticks to soil particles.
- Movement of lead from soil into groundwater will depend on the type of lead compound and the characteristics of the soil.

### How might I be exposed to lead?

- Eating food or drinking water that contains lead. Water pipes in some older homes may contain lead solder. Lead can leach out into the water.

- Spending time in areas where lead-based paints have been used and are deteriorating. Deteriorating lead paint can contribute to lead dust.

- Working in a job where lead is used or engaging in certain hobbies in which lead is used, such as making stained glass.

- Using health-care products or folk remedies that contain lead.

### How can lead affect my health?

The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system, both in adults and children. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. In pregnant women, high levels of exposure to lead may cause miscarriage. High-level exposure in men can damage the organs responsible for sperm production.

### How likely is lead to cause cancer?

We have no conclusive proof that lead causes cancer in humans. Kidney tumors have developed in rats and mice that had been given large doses of some kind of lead compounds. The Department of Health and Human Services

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(DHHS) has determined that lead and lead compounds are reasonably anticipated to be human carcinogens and the EPA has determined that lead is a probable human carcinogen. The International Agency for Research on Cancer (IARC) has determined that inorganic lead is probably carcinogenic to humans and that there is insufficient information to determine whether organic lead compounds will cause cancer in humans.

### How can lead affect children?

Small children can be exposed by eating lead-based paint chips, chewing on objects painted with lead-based paint, or swallowing house dust or soil that contains lead.

Children are more vulnerable to lead poisoning than adults. A child who swallows large amounts of lead may develop blood anemia, severe stomachache, muscle weakness, and brain damage. If a child swallows smaller amounts of lead, much less severe effects on blood and brain function may occur. Even at much lower levels of exposure, lead can affect a child's mental and physical growth.

Exposure to lead is more dangerous for young and unborn children. Unborn children can be exposed to lead through their mothers. Harmful effects include premature births, smaller babies, decreased mental ability in the infant, learning difficulties, and reduced growth in young children. These effects are more common if the mother or baby was exposed to high levels of lead. Some of these effects may persist beyond childhood.

### How can families reduce the risks of exposure to lead?

- Avoid exposure to sources of lead.
- Do not allow children to chew on mouth surfaces that may have been painted with lead-based paint.
- If you have a water lead problem, run or flush water that has been standing overnight before drinking or cooking with it.
- Some types of paints and pigments that are used as make-up or hair coloring contain lead. Keep these kinds of products away from children
- If your home contains lead-based paint or you live in an area contaminated with lead, wash children's hands and faces

often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

### Is there a medical test to determine whether I've been exposed to lead?

A blood test is available to measure the amount of lead in your blood and to estimate the amount of your recent exposure to lead. Blood tests are commonly used to screen children for lead poisoning. Lead in teeth or bones can be measured by X-ray techniques, but these methods are not widely available. Exposure to lead also can be evaluated by measuring erythrocyte protoporphyrin (EP) in blood samples. EP is a part of red blood cells known to increase when the amount of lead in the blood is high. However, the EP level is not sensitive enough to identify children with elevated blood lead levels below about 25 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ). These tests usually require special analytical equipment that is not available in a doctor's office. However, your doctor can draw blood samples and send them to appropriate laboratories for analysis.

### Has the federal government made recommendations to protect human health?

The Centers for Disease Control and Prevention (CDC) recommends that states test children at ages 1 and 2 years. Children should be tested at ages 3–6 years if they have never been tested for lead, if they receive services from public assistance programs for the poor such as Medicaid or the Supplemental Food Program for Women, Infants, and Children, if they live in a building or frequently visit a house built before 1950; if they visit a home (house or apartment) built before 1978 that has been recently remodeled; and/or if they have a brother, sister, or playmate who has had lead poisoning. CDC considers a blood lead level of 10  $\mu\text{g}/\text{dL}$  to be a level of concern for children.

EPA limits lead in drinking water to 15  $\mu\text{g}$  per liter.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for lead (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



**This fact sheet answers the most frequently asked health questions (FAQs) about mercury. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.**

**HIGHLIGHTS: Exposure to mercury occurs from breathing contaminated air, ingesting contaminated water and food, and having dental and medical treatments. Mercury, at high levels, may damage the brain, kidneys, and developing fetus. This chemical has been found in at least 714 of 1,467 National Priorities List sites identified by the Environmental Protection Agency.**

### What is mercury?

(Pronounced mŭr/kyə-rē)

Mercury is a naturally occurring metal which has several forms. The metallic mercury is a shiny, silver-white, odorless liquid. If heated, it is a colorless, odorless gas.

Mercury combines with other elements, such as chlorine, sulfur, or oxygen, to form inorganic mercury compounds or "salts," which are usually white powders or crystals. Mercury also combines with carbon to make organic mercury compounds. The most common one, methylmercury, is produced mainly by microscopic organisms in the water and soil. More mercury in the environment can increase the amounts of methylmercury that these small organisms make.

Metallic mercury is used to produce chlorine gas and caustic soda, and is also used in thermometers, dental fillings, and batteries. Mercury salts are sometimes used in skin lightening creams and as antiseptic creams and ointments.

### What happens to mercury when it enters the environment?

- Inorganic mercury (metallic mercury and inorganic mercury compounds) enters the air from mining ore deposits, burning coal and waste, and from manufacturing plants.
- It enters the water or soil from natural deposits, disposal of wastes, and volcanic activity.

- Methylmercury may be formed in water and soil by small organisms called bacteria.
- Methylmercury builds up in the tissues of fish. Larger and older fish tend to have the highest levels of mercury.

### How might I be exposed to mercury?

- Eating fish or shellfish contaminated with methylmercury.
- Breathing vapors in air from spills, incinerators, and industries that burn mercury-containing fuels.
- Release of mercury from dental work and medical treatments.
- Breathing contaminated workplace air or skin contact during use in the workplace (dental, health services, chemical, and other industries that use mercury).
- Practicing rituals that include mercury.

### How can mercury affect my health?

The nervous system is very sensitive to all forms of mercury. Methylmercury and metallic mercury vapors are more harmful than other forms, because more mercury in these forms reaches the brain. Exposure to high levels of metallic, inorganic, or organic mercury can permanently damage the brain, kidneys, and developing fetus. Effects on brain functioning may result in irritability, shyness, tremors, changes in vision or hearing, and memory problems.

Short-term exposure to high levels of metallic mercury vapors may cause effects including lung damage, nausea,

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vomiting, diarrhea, increases in blood pressure or heart rate, skin rashes, and eye irritation.

### How likely is mercury to cause cancer?

There are inadequate human cancer data available for all forms of mercury. Mercuric chloride has caused increases in several types of tumors in rats and mice, and methylmercury has caused kidney tumors in male mice. The EPA has determined that mercuric chloride and methylmercury are possible human carcinogens.

### How can mercury affect children?

Very young children are more sensitive to mercury than adults. Mercury in the mother's body passes to the fetus and may accumulate there. It can also pass to a nursing infant through breast milk. However, the benefits of breast feeding may be greater than the possible adverse effects of mercury in breast milk.

Mercury's harmful effects that may be passed from the mother to the fetus include brain damage, mental retardation, incoordination, blindness, seizures, and inability to speak. Children poisoned by mercury may develop problems of their nervous and digestive systems, and kidney damage.

### How can families reduce the risk of exposure to mercury?

Carefully handle and dispose of products that contain mercury, such as thermometers or fluorescent light bulbs. Do not vacuum up spilled mercury, because it will vaporize and increase exposure. If a large amount of mercury has been spilled, contact your health department. Teach children not to play with shiny, silver liquids.

Properly dispose of older medicines that contain mercury. Keep all mercury-containing medicines away from children.

Pregnant women and children should keep away from

rooms where liquid mercury has been used.

Learn about wildlife and fish advisories in your area from your public health or natural resources department.

### Is there a medical test to show whether I've been exposed to mercury?

Tests are available to measure mercury levels in the body. Blood or urine samples are used to test for exposure to metallic mercury and to inorganic forms of mercury. Mercury in whole blood or in scalp hair is measured to determine exposure to methylmercury. Your doctor can take samples and send them to a testing laboratory.

### Has the federal government made recommendations to protect human health?

The EPA has set a limit of 2 parts of mercury per billion parts of drinking water (2 ppb).

The Food and Drug Administration (FDA) has set a maximum permissible level of 1 part of methylmercury in a million parts of seafood (1 ppm).

The Occupational Safety and Health Administration (OSHA) has set limits of 0.1 milligram of organic mercury per cubic meter of workplace air (0.1 mg/m<sup>3</sup>) and 0.05 mg/m<sup>3</sup> of metallic mercury vapor for 8-hour shifts and 40-hour work weeks.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for mercury. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about nickel. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Nickel is a hard, silvery-white metal used to make stainless steel and other metal alloys. Skin effects are the most common effects in people who are sensitive to nickel. Workers who breathed very large amounts of nickel compounds have developed lung and nasal sinus cancers. Nickel has been found in at least 709 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

### What is nickel?

(Pronounced nĭk'əl)

Nickel is a very abundant element. In the environment, it is found primarily combined with oxygen (oxides) or sulfur (sulfides). It is found in all soils and is emitted from volcanos.

Pure nickel is a hard, silvery-white metal that is combined with other metals to form mixtures called alloys. Some of the metals that nickel can be alloyed with are iron, copper, chromium, and zinc. These alloys are used in the making of metal coins and jewelry and in industry for making metal items.

Nickel compounds are also used for nickel plating, to color ceramics, to make some batteries, and as substances known as catalysts that increase the rate of chemical reactions. Nickel and its compounds have no characteristic odor or taste.

### What happens to nickel when it enters the environment?

- Small nickel particles in the air settle to the ground or are taken out of the air in rain.
- Much of the nickel in the environment is found with soil and sediments because nickel attaches to particles that contain iron or manganese, which are often present in soil and sediments.

- Nickel does not appear to collect in fish, plants, or animals used for food.

### How might I be exposed to nickel?

- By breathing air or smoking tobacco containing nickel.
- By eating food containing nickel, which is the major source of exposure for most people.
- By drinking water which contains small amounts of nickel.
- By handling coins and touching other metals containing nickel, such as jewelry.

### How can nickel affect my health?

Nickel is required to maintain health in animals. A small amount of nickel is probably essential for humans, although a lack of nickel has not been found to affect the health of humans.

The most common adverse health effect of nickel in humans is an allergic reaction. People can become sensitive to nickel when jewelry or other things containing it are in direct contact with the skin. Once a person is sensitized to nickel, further contact with it will produce a reaction. The most common reaction is a skin rash at the site of contact.

Less frequently, some people who are sensitive to nickel

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have asthma attacks following exposure to nickel. People who are sensitive to nickel have reactions when it is in contact with the skin, and some sensitized persons react when they eat nickel in food, drink it in water, or breathe dust containing it.

Lung effects, including chronic bronchitis and reduced lung function, have been observed in workers who breathed large amounts of nickel. Current levels of nickel in workplace air are much lower than in the past, and today few workers show symptoms of nickel exposure.

People who are not sensitive to it must eat very large amounts of nickel to show adverse health effects. Workers who accidentally drank water containing very high levels of nickel (100,000 times more than in normal drinking water) had stomachaches and effects on their blood and kidneys.

Animal studies show that breathing high levels of nickel compounds may result in inflammation of the respiratory tract. Eating or drinking large amounts of nickel has been reported to cause lung disease in dogs and rats and to affect the stomach, blood, liver, kidneys, immune system, and reproduction and development in rats and mice.

### How likely is nickel to cause cancer?

The Department of Health and Human Services (DHHS) has determined that nickel and certain nickel compounds may reasonably be anticipated to be carcinogens. Cancers of the lung and nasal sinus have resulted when workers breathed dust containing high levels of nickel compounds while working in nickel refineries or nickel processing plants.

When rats and mice breathed nickel compounds for a lifetime, nickel compounds that were hard to dissolve caused cancer, while a soluble nickel compound did not cause cancer.

### Is there a medical test to show whether I've been exposed to nickel?

Measurements of the amount of nickel in your blood, feces, and urine can be used to estimate your exposure to nickel. These measurements are most useful if the type of nickel compound you have been exposed to is known. However, these tests cannot predict whether you will experience any health effects.

### Has the federal government made recommendations to protect human health?

The EPA recommends that children drink water containing no more than 0.04 milligrams of nickel per liter of water (0.04 mg/L) for 1-10 days of exposure.

The Occupational Safety and Health Administration (OSHA) has set an occupational exposure limit of 1 milligram of nickel per cubic meter of air (1 mg/m<sup>3</sup>) for an 8-hour workday, 40-hour workweek.

### Glossary

Carcinogen: A substance with the ability to cause cancer.

CAS: Chemical Abstracts Service.

Milligram (mg): One thousandth of a gram.

Sediments: Mud and debris that have settled to the bottom of a body of water.

Soluble: Dissolves in water.

### References

This ToxFAQs information is taken from the 1997 Toxicological Profile for Nickel (update) produced by the Agency for Toxic Substances and Disease Registry, Public Health Service, U.S. Department of Health and Human Services, Public Health Service in Atlanta, GA.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about polycyclic aromatic hydrocarbons (PAHs). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**SUMMARY: Exposure to polycyclic aromatic hydrocarbons usually occurs by breathing air contaminated by wild fires or coal tar, or by eating foods that have been grilled. PAHs have been found in at least 600 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

## What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl'ī-sī'klīk ār'ə-măt'īk hī'drə-kar'bənz)

Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

## What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.

- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

## How might I be exposed to PAHs?

- Breathing air containing PAHs in the workplace of coking, coal-tar, and asphalt production plants; smoke-houses; and municipal trash incineration facilities.
- Breathing air containing PAHs from cigarette smoke, wood smoke, vehicle exhausts, asphalt roads, or agricultural burn smoke.
- Coming in contact with air, water, or soil near hazardous waste sites.
- Eating grilled or charred meats; contaminated cereals, flour, bread, vegetables, fruits, meats; and processed or pickled foods.
- Drinking contaminated water or cow's milk.

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- ❑ Nursing infants of mothers living near hazardous waste sites may be exposed to PAHs through their mother's milk.

### How can PAHs affect my health?

Mice that were fed high levels of one PAH during pregnancy had difficulty reproducing and so did their offspring. These offspring also had higher rates of birth defects and lower body weights. It is not known whether these effects occur in people.

Animal studies have also shown that PAHs can cause harmful effects on the skin, body fluids, and ability to fight disease after both short- and long-term exposure. But these effects have not been seen in people.

### How likely are PAHs to cause cancer?

The Department of Health and Human Services (DHHS) has determined that some PAHs may reasonably be expected to be carcinogens.

Some people who have breathed or touched mixtures of PAHs and other chemicals for long periods of time have developed cancer. Some PAHs have caused cancer in laboratory animals when they breathed air containing them (lung cancer), ingested them in food (stomach cancer), or had them applied to their skin (skin cancer).

### Is there a medical test to show whether I've been exposed to PAHs?

In the body, PAHs are changed into chemicals that can attach to substances within the body. There are special tests that can detect PAHs attached to these substances in body tissues or blood. However, these tests cannot tell whether any

health effects will occur or find out the extent or source of your exposure to the PAHs. The tests aren't usually available in your doctor's office because special equipment is needed to conduct them.

### Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.2 milligrams of PAHs per cubic meter of air ( $0.2 \text{ mg/m}^3$ ). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist that contains PAHs is  $5 \text{ mg/m}^3$  averaged over an 8-hour exposure period.

The National Institute for Occupational Safety and Health (NIOSH) recommends that the average workplace air levels for coal tar products not exceed  $0.1 \text{ mg/m}^3$  for a 10-hour workday, within a 40-hour workweek. There are other limits for workplace exposure for things that contain PAHs, such as coal, coal tar, and mineral oil.

### Glossary

Carcinogen: A substance that can cause cancer.

Ingest: Take food or drink into your body.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about polychlorinated biphenyls. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Polychlorinated biphenyls (PCBs) are a mixture of individual chemicals which are no longer produced in the United States, but are still found in the environment. Health effects that have been associated with exposure to PCBs include acne-like skin conditions in adults and neurobehavioral and immunological changes in children. PCBs are known to cause cancer in animals. PCBs have been found in at least 500 of the 1,598 National Priorities List sites identified by the Environmental Protection Agency (EPA).

### What are polychlorinated biphenyls?

Polychlorinated biphenyls are mixtures of up to 209 individual chlorinated compounds (known as congeners). There are no known natural sources of PCBs. PCBs are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor in air. PCBs have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by the trade name Aroclor.

PCBs have been used as coolants and lubricants in transformers, capacitors, and other electrical equipment because they don't burn easily and are good insulators. The manufacture of PCBs was stopped in the U.S. in 1977 because of evidence they build up in the environment and can cause harmful health effects. Products made before 1977 that may contain PCBs include old fluorescent lighting fixtures and electrical devices containing PCB capacitors, and old microscope and hydraulic oils.

### What happens to PCBs when they enter the environment?

- PCBs entered the air, water, and soil during their manufacture, use, and disposal; from accidental spills and leaks during their transport; and from leaks or fires in products containing PCBs.
- PCBs can still be released to the environment from hazardous waste sites; illegal or improper disposal of industrial wastes and consumer products; leaks from old electrical transformers containing PCBs; and burning of some wastes in incinerators.
- PCBs do not readily break down in the environment and thus may remain there for very long periods of time. PCBs can travel long distances in the air and be deposited in areas far away from where they were released. In water, a small amount of PCBs may remain dissolved, but most stick to organic particles and bottom sediments. PCBs also bind strongly to soil.
- PCBs are taken up by small organisms and fish in water. They are also taken up by other animals that eat these

aquatic animals as food. PCBs accumulate in fish and marine mammals, reaching levels that may be many thousands of times higher than in water.

### How might I be exposed to PCBs?

- Using old fluorescent lighting fixtures and electrical devices and appliances, such as television sets and refrigerators, that were made 30 or more years ago. These items may leak small amounts of PCBs into the air when they get hot during operation, and could be a source of skin exposure.
- Eating contaminated food. The main dietary sources of PCBs are fish (especially sportfish caught in contaminated lakes or rivers), meat, and dairy products.
- Breathing air near hazardous waste sites and drinking contaminated well water.
- In the workplace during repair and maintenance of PCB transformers; accidents, fires or spills involving transformers, fluorescent lights, and other old electrical devices; and disposal of PCB materials.

### How can PCBs affect my health?

The most commonly observed health effects in people exposed to large amounts of PCBs are skin conditions such as acne and rashes. Studies in exposed workers have shown changes in blood and urine that may indicate liver damage. PCB exposures in the general population are not likely to result in skin and liver effects. Most of the studies of health effects of PCBs in the general population examined children of mothers who were exposed to PCBs.

Animals that ate food containing large amounts of PCBs for short periods of time had mild liver damage and some died. Animals that ate smaller amounts of PCBs in food over several weeks or months developed various kinds of health effects, including anemia; acne-like skin conditions; and liver, stomach, and thyroid gland injuries. Other effects

ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>

of PCBs in animals include changes in the immune system, behavioral alterations, and impaired reproduction. PCBs are not known to cause birth defects.

#### How likely are PCBs to cause cancer?

Few studies of workers indicate that PCBs were associated with certain kinds of cancer in humans, such as cancer of the liver and biliary tract. Rats that ate food containing high levels of PCBs for two years developed liver cancer. The Department of Health and Human Services (DHHS) has concluded that PCBs may reasonably be anticipated to be carcinogens. The EPA and the International Agency for Research on Cancer (IARC) have determined that PCBs are probably carcinogenic to humans.

#### How can PCBs affect children?

Women who were exposed to relatively high levels of PCBs in the workplace or ate large amounts of fish contaminated with PCBs had babies that weighed slightly less than babies from women who did not have these exposures. Babies born to women who ate PCB-contaminated fish also showed abnormal responses in tests of infant behavior. Some of these behaviors, such as problems with motor skills and a decrease in short-term memory, lasted for several years. Other studies suggest that the immune system was affected in children born to and nursed by mothers exposed to increased levels of PCBs. There are no reports of structural birth defects caused by exposure to PCBs or of health effects of PCBs in older children. The most likely way infants will be exposed to PCBs is from breast milk. Transplacental transfers of PCBs were also reported. In most cases, the benefits of breastfeeding outweigh any risks from exposure to PCBs in mother's milk.

#### How can families reduce the risk of exposure to PCBs?

- You and your children may be exposed to PCBs by eating fish or wildlife caught from contaminated locations. Certain states, Native American tribes, and U.S. territories have issued advisories to warn people about PCB-contaminated fish and fish-eating wildlife. You can reduce your family's exposure to PCBs by obeying these advisories.
- Children should be told not play with old appliances,

electrical equipment, or transformers, since they may contain PCBs.

- Children should be discouraged from playing in the dirt near hazardous waste sites and in areas where there was a transformer fire. Children should also be discouraged from eating dirt and putting dirty hands, toys or other objects in their mouths, and should wash hands frequently.
- If you are exposed to PCBs in the workplace it is possible to carry them home on your clothes, body, or tools. If this is the case, you should shower and change clothing before leaving work, and your work clothes should be kept separate from other clothes and laundered separately.

#### Is there a medical test to show whether I've been exposed to PCBs?

Tests exist to measure levels of PCBs in your blood, body fat, and breast milk, but these are not routinely conducted. Most people normally have low levels of PCBs in their body because nearly everyone has been environmentally exposed to PCBs. The tests can show if your PCB levels are elevated, which would indicate past exposure to above-normal levels of PCBs, but cannot determine when or how long you were exposed or whether you will develop health effects.

#### Has the federal government made recommendations to protect human health?

The EPA has set a limit of 0.0005 milligrams of PCBs per liter of drinking water (0.0005 mg/L). Discharges, spills or accidental releases of 1 pound or more of PCBs into the environment must be reported to the EPA. The Food and Drug Administration (FDA) requires that infant foods, eggs, milk and other dairy products, fish and shellfish, poultry and red meat contain no more than 0.2-3 parts of PCBs per million parts (0.2-3 ppm) of food. Many states have established fish and wildlife consumption advisories for PCBs.

#### References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological profile for polychlorinated biphenyls (PCBs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about toluene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**HIGHLIGHTS:** Exposure to toluene occurs from breathing contaminated workplace air, in automobile exhaust, some consumer products paints, paint thinners, fingernail polish, lacquers, and adhesives. Toluene affects the nervous system. Toluene has been found at 959 of the 1,591 National Priority List sites identified by the Environmental Protection Agency

### What is toluene?

Toluene is a clear, colorless liquid with a distinctive smell. Toluene occurs naturally in crude oil and in the tolu tree. It is also produced in the process of making gasoline and other fuels from crude oil and making coke from coal.

Toluene is used in making paints, paint thinners, fingernail polish, lacquers, adhesives, and rubber and in some printing and leather tanning processes.

### What happens to toluene when it enters the environment?

Toluene enters the environment when you use materials that contain it. It can also enter surface water and groundwater from spills of solvents and petroleum products as well as from leaking underground storage tanks at gasoline stations and other facilities.

When toluene-containing products are placed in landfills or waste disposal sites, the toluene can enter the soil or water near the waste site.

Toluene does not usually stay in the environment long.

Toluene does not concentrate or buildup to high levels in animals.

### How might I be exposed to toluene?

Breathing contaminated workplace air or automobile exhaust.

Working with gasoline, kerosene, heating oil, paints, and lacquers.

Drinking contaminated well-water.

Living near uncontrolled hazardous waste sites containing toluene products.

### How can toluene affect my health?

Toluene may affect the nervous system. Low to moderate levels can cause tiredness, confusion, weakness, drunken-type actions, memory loss, nausea, loss of appetite, and

**ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>**

hearing and color vision loss. These symptoms usually disappear when exposure is stopped.

Inhaling High levels of toluene in a short time can make you feel light-headed, dizzy, or sleepy. It can also cause unconsciousness, and even death.

High levels of toluene may affect your kidneys.

### **How likely is toluene to cause cancer?**

Studies in humans and animals generally indicate that toluene does not cause cancer.

The EPA has determined that the carcinogenicity of toluene can not be classified.

### **How can toluene affect children?**

It is likely that health effects seen in children exposed to toluene will be similar to the effects seen in adults. Some studies in animals suggest that babies may be more sensitive than adults.

Breathing very high levels of toluene during pregnancy can result in children with birth defects and retard mental abilities, and growth. We do not know if toluene harms the unborn child if the mother is exposed to low levels of toluene during pregnancy.

### **How can families reduce the risk of exposure to toluene?**

- Use toluene-containing products in well-ventilated areas.

- When not in use, toluene-containing products should be tightly covered to prevent evaporation into the air.

### **Is there a medical test to show whether I've been exposed to toluene?**

There are tests to measure the level of toluene or its breakdown products in exhaled air, urine, and blood. To determine if you have been exposed to toluene, your urine or blood must be checked within 12 hours of exposure. Several other chemicals are also changed into the same breakdown products as toluene, so some of these tests are not specific for toluene.

### **Has the federal government made recommendations to protect human health?**

EPA has set a limit of 1 milligram per liter of drinking water (1 mg/L).

Discharges, releases, or spills of more than 1,000 pounds of toluene must be reported to the National Response Center.

The Occupational Safety and Health Administration has set a limit of 200 parts toluene per million of workplace air (200 ppm).

### **References**

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological Profile for Toluene. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs™ Internet address is <http://www.atsdr.cdc.gov/toxfaq.html>. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about xylene. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**SUMMARY: Exposure to xylene occurs in the workplace and when you use paint, gasoline, paint thinners and other products that contain it. People who breathe high levels may have dizziness, confusion, and a change in their sense of balance. This substance has been found in at least 658 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).**

## What is xylene?

(Pronounced zī'lēn)

Xylene is a colorless, sweet-smelling liquid that catches on fire easily. It occurs naturally in petroleum and coal tar and is formed during forest fires. You can smell xylene in air at 0.08–3.7 parts of xylene per million parts of air (ppm) and begin to taste it in water at 0.53–1.8 ppm.

Chemical industries produce xylene from petroleum. It's one of the top 30 chemicals produced in the United States in terms of volume.

Xylene is used as a solvent and in the printing, rubber, and leather industries. It is also used as a cleaning agent, a thinner for paint, and in paints and varnishes. It is found in small amounts in airplane fuel and gasoline.

## What happens to xylene when it enters the environment?

- Xylene has been found in waste sites and landfills when discarded as used solvent, or in varnish, paint, or paint thinners.
- It evaporates quickly from the soil and surface water into the air.

- In the air, it is broken down by sunlight into other less harmful chemicals.
- It is broken down by microorganisms in soil and water.
- Only a small amount of it builds up in fish, shellfish, plants, and animals living in xylene-contaminated water.

## How might I be exposed to xylene?

- Breathing xylene in workplace air or in automobile exhaust.
- Breathing contaminated air.
- Touching gasoline, paint, paint removers, varnish, shellac, and rust preventatives that contain it.
- Breathing cigarette smoke that has small amounts of xylene in it.
- Drinking contaminated water or breathing air near waste sites and landfills that contain xylene.
- The amount of xylene in food is likely to be low.

## How can xylene affect my health?

Xylene affects the brain. High levels from exposure for short periods (14 days or less) or long periods (more than 1 year) can cause headaches, lack of muscle coordination, dizziness, confusion, and changes in one's sense of balance. Exposure of

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people to high levels of xylene for short periods can also cause irritation of the skin, eyes, nose, and throat; difficulty in breathing; problems with the lungs; delayed reaction time; memory difficulties; stomach discomfort; and possibly changes in the liver and kidneys. It can cause unconsciousness and even death at very high levels.

Studies of unborn animals indicate that high concentrations of xylene may cause increased numbers of deaths, and delayed growth and development. In many instances, these same concentrations also cause damage to the mothers. We do not know if xylene harms the unborn child if the mother is exposed to low levels of xylene during pregnancy.

### How likely is xylene to cause cancer?

The International Agency for Research on Cancer (IARC) has determined that xylene is not classifiable as to its carcinogenicity in humans.

Human and animal studies have not shown xylene to be carcinogenic, but these studies are not conclusive and do not provide enough information to conclude that xylene does not cause cancer.

### Is there a medical test to show whether I've been exposed to xylene?

Laboratory tests can detect xylene or its breakdown products in exhaled air, blood, or urine. There is a high degree of agreement between the levels of exposure to xylene and the levels of xylene breakdown products in the urine. However, a urine sample must be provided very soon after exposure ends because xylene quickly leaves the body. These tests are not routinely available at your doctor's office.

### Has the federal government made recommendations to protect human health?

The EPA has set a limit of 10 ppm of xylene in drinking water.

The EPA requires that spills or accidental releases of xylenes into the environment of 1,000 pounds or more must be reported.

The Occupational Safety and Health Administration (OSHA) has set a maximum level of 100 ppm xylene in workplace air for an 8-hour workday, 40-hour workweek.

The National Institute for Occupational Safety and Health (NIOSH) and the American Conference of Governmental Industrial Hygienists (ACGIH) also recommend exposure limits of 100 ppm in workplace air.

NIOSH has recommended that 900 ppm of xylene be considered immediately dangerous to life or health. This is the exposure level of a chemical that is likely to cause permanent health problems or death.

### Glossary

Evaporate: To change from a liquid into a vapor or a gas.

Carcinogenic: Having the ability to cause cancer.

CAS: Chemical Abstracts Service.

ppm: Parts per million.

Solvent: A liquid that can dissolve other substances.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for xylenes (update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



This fact sheet answers the most frequently asked health questions (FAQs) about zinc. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

**SUMMARY:** Exposure to high levels of zinc occurs mostly from eating food, drinking water, or breathing workplace air that is contaminated. Exposure to large amounts of zinc can be harmful. However, zinc is an essential element for our bodies, so too little zinc can also be harmful. This chemical has been found in at least 801 of 1,416 National Priorities List sites identified by the Environmental Protection Agency.

## What is zinc?

(Pronounced zīngk)

Zinc is one of the most common elements in the earth's crust. It's found in air, soil, and water, and is present in all foods. Pure zinc is a bluish-white shiny metal.

Zinc has many commercial uses as coatings to prevent rust, in dry cell batteries, and mixed with other metals to make alloys like brass and bronze. A zinc and copper alloy is used to make pennies in the United States.

Zinc combines with other elements to form zinc compounds. Common zinc compounds found at hazardous waste sites include zinc chloride, zinc oxide, zinc sulfate, and zinc sulfide. Zinc compounds are widely used in industry to make paint, rubber, dye, wood preservatives, and ointments.

## What happens to zinc when it enters the environment?

- Some is released into the environment by natural processes, but most comes from activities of people like mining, steel production, coal burning, and burning of waste.
- It attaches to soil, sediments, and dust particles in the air.
- Rain and snow remove zinc dust particles from the air.

- Zinc compounds can move into the groundwater and into lakes, streams, and rivers.
- Most of the zinc in soil stays bound to soil particles.
- It builds up in fish and other organisms, but it doesn't build up in plants.

## How might I be exposed to zinc?

- Ingesting small amounts present in your food and water.
- Drinking contaminated water near manufacturing or waste sites.
- Drinking contaminated water or a beverage that has been stored in metal containers or flows through pipes that have been coated with zinc to resist rust.
- Eating too many dietary supplements that contain zinc.
- Breathing zinc particles in the air at manufacturing sites.

## How can zinc affect my health?

Zinc is an essential element in our diet. **Too** little zinc can cause health problems, but too much zinc is also harmful.

The recommended dietary allowance (RDA) for zinc is 15 milligrams a day for men (15 mg/day); 12 mg/day for women; 10 mg/day for children; and 5 mg/day for infants. Not enough zinc in your diet can result in a loss of appetite, a decreased sense of taste and smell, slow wound healing and

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skin sores, or a damaged immune system. Young men who don't get enough zinc may have poorly developed sex organs and slow growth. If a pregnant woman doesn't get enough zinc, her babies may have growth retardation.

Too much zinc, however, can also be damaging to your health. Harmful health effects generally begin at levels from 10-15 times the RDA (in the 100 to 250 mg/day range). Eating large amounts of zinc, even for a short time, can cause stomach cramps, nausea, and vomiting. Taken longer, it can cause anemia, pancreas damage, and lower levels of high density lipoprotein cholesterol (the good form of cholesterol).

Breathing large amounts of zinc (as dust or fumes) can cause a specific short-term disease called metal fume fever. This is believed to be an immune response affecting the lungs and body temperature. We do not know the long-term effects of breathing high levels of zinc.

It is not known if high levels of zinc affect human reproduction or cause birth defects. Rats that were fed large amounts of zinc became infertile or had smaller babies. Irritation was also observed on the skin of rabbits, guinea pigs, and mice when exposed to some zinc compounds. Skin irritation will probably occur in people.

### How likely is zinc to cause cancer?

The Department of Health and Human Services, the International Agency for Research on Cancer, and the Environmental Protection Agency (EPA) have not classified zinc for carcinogenicity.

### Is there a medical test to show whether I've been exposed to zinc?

Zinc can be measured in your blood or feces. This can tell you how much zinc you have been exposed to. Zinc can

also be measured in urine, saliva, and hair. The amount of zinc in your hair tells us something about long-term exposure, but the relationship between levels in your hair and the amount that you were exposed to is not clear. These tests are not routinely performed at doctors' offices, but your doctor can take samples and send them to a testing laboratory.

### Has the federal government made recommendations to protect human health?

EPA recommends that there be no more than 5 parts of zinc in 1 million parts of drinking water (5 ppm) because of taste. EPA also requires that releases of more than 1,000 (or in some cases 5,000) pounds of zinc or its compounds into the environment be reported.

The Occupational Safety and Health Administration (OSHA) has set a maximum concentration limit for zinc chloride fumes in workplace air of 1 milligram of zinc per cubic meter of air (1 mg/m<sup>3</sup>) for an 8-hour workday over a 40-hour work week and 5 mg/m<sup>3</sup> for zinc oxide fumes. The National Institute for Occupational Safety and Health (NIOSH) has set the same standards for up to a 10-hour workday over a 40-hour workweek.

### Glossary

Anemia: A decreased ability of the blood to transport oxygen.  
Carcinogenicity: Ability to cause cancer.  
Milligram (mg): One thousandth of a gram.

### References

Agency for Toxic Substances and Disease Registry (ATSDR). 1994. Toxicological profile for zinc. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

**Where can I get more information?** For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is <http://www.atsdr.cdc.gov/toxfaq.html> ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.



**APPENDIX B**  
**WEST NILE VIRUS/St. LOUIS ENCEPHALITIS PREVENTION**

## WEST NILE VIRUS/ST. LOUIS ENCEPHALITIS PREVENTION

The following section is based upon information provided by the Centers for Disease Control (CDC) Division of Vector-Borne Infectious Diseases. Symptoms of West Nile Virus include fever, headache, and body aches, occasionally with skin rash and swollen lymph glands, with most infections being mild. More severe infection may be marked by headache, high fever, neck stiffness, stupor, disorientation, coma, tremors, convulsions, muscle weakness, paralysis, and, rarely, death. Most infections of St. Louis encephalitis are mild without apparent symptoms other than fever with headache. More severe infection is marked by headache, high fever, neck stiffness, stupor, disorientation, coma, tremors, occasional convulsions (especially infants) and spastic (but rarely flaccid) paralysis. The only way to avoid infection of West Nile Virus and St. Louis encephalitis is to avoid mosquito bites. To reduce the chance of mosquito contact:

- Stay indoors at dawn, dusk, and in the early evening.
- Wear long-sleeved shirts and long pants whenever you are outdoors.
- Spray clothing with repellents containing permethrin or DEET (N, N-diethyl-meta-toluamide), since mosquitoes may bite through thin clothing.
- Apply insect repellent sparingly to exposed skin. An effective repellent will contain 35% DEET. DEET in high concentrations (greater than 35%) provides no additional protection.
- Repellents may irritate the eyes and mouth.
- Whenever you use an insecticide or insect repellent, be sure to read and follow the manufacturer's directions for use, as printed on the product.

**APPENDIX C**  
**REPORT FORMS**

## WEEKLY SAFETY REPORT FORM

Week Ending: \_\_\_\_\_ Project Name/Number: \_\_\_\_\_

Report Date: \_\_\_\_\_ Project Manager Name: \_\_\_\_\_

Summary of any violations of procedures occurring that week:

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Summary of any job related injuries, illnesses, or near misses that week:

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Summary of air monitoring data that week (include and sample analyses, action levels exceeded, and actions taken):

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Comments:

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Name: \_\_\_\_\_ Company: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_



**INJURED - ILL:**

Name: \_\_\_\_\_ SSN: \_\_\_\_\_

Address: \_\_\_\_\_ Age: \_\_\_\_\_

Length of Service: \_\_\_\_\_ Time on Present Job: \_\_\_\_\_

Time/Classification: \_\_\_\_\_

**SEVERITY OF INJURY OR ILLNESS:**

\_\_\_ Disabling                      \_\_\_ Non-disabling                      \_\_\_ Fatality

\_\_\_ Medical Treatment                      \_\_\_ First Aid Only

**ESTIMATED NUMBER OF DAYS AWAY FROM JOB:** \_\_\_\_\_

**NATURE OF INJURY OR ILLNESS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**CLASSIFICATION OF INJURY:**

- |                    |                       |                            |
|--------------------|-----------------------|----------------------------|
| ___ Abrasions      | _____ Dislocations    | _____ Punctures            |
| ___ Bites          | _____ Faint/Dizziness | _____ Radiation Burns      |
| ___ Blisters       | _____ Fractures       | _____ Respiratory Allergy  |
| ___ Bruises        | _____ Frostbite       | _____ Sprains              |
| ___ Chemical Burns | _____ Heat Burns      | _____ Toxic Resp. Exposure |
| ___ Cold Exposure  | _____ Heat Exhaustion | _____ Toxic Ingestion      |
| ___ Concussion     | _____ Heat Stroke     | _____ Dermal Allergy       |
| ___ Lacerations    |                       |                            |

Part of Body Affected: \_\_\_\_\_

Degree of Disability: \_\_\_\_\_

Date Medical Care was Received: \_\_\_\_\_

Where Medical Care was Received: \_\_\_\_\_

Address (if off-site): \_\_\_\_\_

(If two or more injuries, record on separate sheets)

**SITE DAMAGE:**

Description of Damage: \_\_\_\_\_

Cost of Damage:                   \$ \_\_\_\_\_

**ACCIDENT/INCIDENT LOCATION:** \_\_\_\_\_

**ACCIDENT/INCIDENT ANALYSIS:** Causative agent most directly related to accident/incident  
(Object, substance, material, machinery, equipment, conditions)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Was weather a factor?: \_\_\_\_\_

Unsafe mechanical/physical/environmental condition at time of accident/incident (Be specific):

\_\_\_\_\_  
\_\_\_\_\_

Personal factors (Attitude, knowledge or skill, reaction time, fatigue):

\_\_\_\_\_  
\_\_\_\_\_

**ON-SITE ACCIDENTS/INCIDENTS:**

Level of personal protection equipment required in Site Safety Plan:

\_\_\_\_\_  
\_\_\_\_\_

Modifications:

Was injured using required equipment?:

\_\_\_\_\_  
\_\_\_\_\_

If not, how did actual equipment use differ from plan?:

\_\_\_\_\_  
\_\_\_\_\_

**ACTION TAKEN TO PREVENT RECURRENCE:** (Be specific. What has or will be done? When will it be done? Who is the responsible party to insure that the correction is made?)

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**ACCIDENT/INCIDENT REPORT REVIEWED BY:**

\_\_\_\_\_  
SSO Name Printed

\_\_\_\_\_  
SSO Signature

**OTHERS PARTICIPATING IN INVESTIGATION:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**ACCIDENT/INCIDENT FOLLOW-UP:**      Date: \_\_\_\_\_

Outcome of accident/incident: \_\_\_\_\_

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Physician's recommendations: \_\_\_\_\_

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Date injured returned to work: \_\_\_\_\_

Follow-up performed by:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

**ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM**

**APPENDIX D**  
**EMERGENCY HAND SIGNALS**

## EMERGENCY SIGNALS

In most cases, field personnel will carry portable radios for communication. If this is the case, a transmission that indicates an emergency will take priority over all other transmissions. All other site radios will yield the frequency to the emergency transmissions.

Where radio communications is not available, the following air-horn and/or hand signals will be used:

### EMERGENCY HAND SIGNALS

**OUT OF AIR, CAN'T BREATHE!**



**Hand gripping throat**

**LEAVE AREA IMMEDIATELY,  
NO DEBATE!**

**(No Picture) Grip partner's wrist or place both hands around waist**

**NEED ASSISTANCE!**



**Hands on top of head**

**OKAY! – I'M ALL RIGHT!  
- I UNDERSTAND!**



**Thumbs up**

**NO! - NEGATIVE!**



**Thumbs down**

**APPENDIX D**  
**CITIZEN PARTICIPATION PLAN**

## APPENDIX D CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation (OER) and West Side Federation for Senior and Supportive Housing (WSFSSH) have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, WSFSSH will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by OER until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's Project Manager assigned to this Site, Taylor Hard, and can be contacted at (212) 788-7426.

**Project Contact List.** OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's Project Manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at [brownfields@cityhall.nyc.gov](mailto:brownfields@cityhall.nyc.gov).

**Repositories.** A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. WSFSSH will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

New York Public Library – Bloomingdale Library  
150 West 100<sup>th</sup> St, New York, NY 10025  
(212) 222-8030

Repository Hours of Operation:

Mon, Tues, Wed, Thurs – 11 am to 7 pm; Fri, Sat – 10 am to 5 pm; Sun – Closed

**Digital Documentation.** OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

**Identify Issues of Public Concern.** It is our understanding that community input on the proposed project has been received at local Community Board meetings. Based on the overall goals of the remedial program, it is not anticipated that the community will oppose the proposed remedy; however, the community may express adverse opinions to the proposed development. As this RAP is subject to a public review under the NYC VCP and the public will be provided the opportunity to provide input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan.

**Public Notice and Public Comment.** Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by WSFSSH, reviewed and approved by OER prior to distribution and mailed by WSFSSH. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

**Citizen Participation Milestones.** Public notice and public comment activities occur at several steps during a typical NYC VCP project. These steps include:

- Public Notice of the availability of the Remedial Investigation Report (RIR) and Remedial Action Plan (RAP) and a 30-day public comment period on the RAP.

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the RIR and RAP and the initiation of a 30-day public comment period on the RAP. The Fact Sheet summarizes the findings of the RIR and provides details of the RAP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- Public Notice announcing the approval of the RAP and the start of remediation.

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the Remedial Action Plan and the start of remediation.

- Public Notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

**APPENDIX E**  
**SUSTAINABILITY STATEMENT**

## APPENDIX E SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

**Reuse of Clean, Recyclable Materials.** Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the Remedial Action Report (RAR).

**Reduce Consumption of Virgin and Non-Renewable Resources.** Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

**Reduced Energy Consumption and Promotion of Greater Energy Efficiency.** Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the RAR. Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

The project has been entered in NYSERDA's Multifamily Performance Program (MPP) for New Construction (Version 5). The building will employ a variety of energy saving and energy efficient measures. Software will be used to model the building's energy use to verify the performance target of minimum 15% energy cost savings.

The following energy conservation measures are being considered for the planned development:

- Gas-fired condensing boilers for domestic hot water
- Variable frequency devices (VFDs) and premium efficiency motors on fans and pumps where applicable
- Energy Star appliances
- Carbon monoxide (CO) sensor in garage to control exhaust ventilation
- High efficiency LED lights in the corridors, garage, and back of house with high efficiency fluorescents in the apartments
- High efficiency exterior lighting
- Energy Star certified light fixtures
- Occupancy sensors in corridors, public spaces, and stairs

**Recontamination Control.** Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a Site that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-site.

Measures to limit the potential for recontamination include capping of residual fill materials with building foundations, the use of a vapor barrier to limit the migration of soil vapor contamination, and leaving groundwater cutoff elements from support of excavation and dewatering control (including interlocking sheet piling, tangent piles and concrete retention piers) in place. An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

**Stormwater Retention.** Stormwater retention improves water quality by lowering the rate of combined stormwater and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

**Linkage with Green Building.** Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment Site will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential and commercial uses.

**Paperless Brownfield Cleanup Program.** West Side Federation for Senior and Supportive Housing (WSFSSH) is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

**Low-Energy Project Management Program.** WSFSSH is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

**Trees and Plantings.** Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance. Landscaping is planned in the rear of the Site, as part of on-Site development native plant species will be utilized whenever possible. Additionally, trees will be planted in tree pits in the sidewalks along West 108<sup>th</sup> Street.

**APPENDIX F**  
**SOIL/MATERIALS MANAGEMENT PLAN**

## **APPENDIX F**

### **Article II. SOIL/MATERIALS MANAGEMENT PLAN**

#### **1.1 Soil Screening Methods**

Visual, olfactory, and photoionization detector (PID) soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional (QEP) and will be reported in the Remedial Action Report (RAR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Satisfaction.

#### **1.2 Stockpile Methods**

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

#### **1.3 Characterization of Excavated Materials**

Soil/fill or other excavated media that is transported off-site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-site will be managed as defined in this plan.

#### **1.4 Materials Excavation, Load-Out and Departure**

The Professional Engineer (PE)/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site; and

- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

### **1.5 Off-Site Materials Transport**

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-site, when possible, to minimize off-site disturbance. Off-site queuing will be minimized.

Outbound truck transport routes are provided as Figure 10 of the RAP. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

### **1.6 Materials Disposal Off-Site**

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Applicant to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Applicant. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The RAR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RCR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-

Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

### **1.7 Materials Reuse On-Site**

Soil and fill that is derived from the Site that meets the soil cleanup objectives established in this plan may be reused on-site. The soil cleanup objectives for on-site reuse are listed in the RAP. "Reuse on-site" means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to ECs. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAP are followed. It is presently unknown if material will be reused on-site, as limited excavation is proposed.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-site. Soil or fill excavated from the Site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

### **1.8 Demarcation**

After completion of petroleum-contaminated soil removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the RAR; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR. This demarcation will constitute the top of the site management horizon.

### **1.9 Import of Backfill Soil from Off-Site Sources**

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in the RAP.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations; and
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of New York State Department of Environmental Conservation (NYSDEC).

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

### **1.9.1 Source Screening and Testing**

Inspection of imported fill material will include visual, olfactory and photoionization detector (PID) screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

RCA will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

### **1.10 Fluids Management**

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYCDEP). The NYCDEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYCDEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by NYSDEC.

### **1.11 Stormwater Pollution Prevention**

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that

they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

## **1.12 Contingency Plan**

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYSDEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/polychlorinated biphenyls (PCBs), and target analyte list (TAL) metals, as appropriate.

## **1.13 Odor, Dust and Nuisance Control**

### **1.13.1 Odor Control**

All necessary means will be employed to prevent on- and off-site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RAR.

### **1.13.2 Dust Control**

Dust management during invasive on-site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or RCA on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the RAR.

### **1.13.3 Other Nuisances**

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

### **1.14 Import of Clean Cover**

Approximately 200 cubic yards of soil are anticipated to be imported to the Site for use as clean cover. All imported soil will be uncontaminated, clean soil that meets the lesser of the appropriate NYSDEC 6 NYCRR Part 375-6.8(a) Restricted Residential Use SCOs and the NYSDEC 6 NYCRR Part 375-6.8 groundwater protection SCOs.

If necessary, imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure:

That a segregated stockpile for imported soil is properly maintained at the source and will not be comingled with any other material prior to importing and grading the clean soil material at the Site;

That the material does not include any solid waste, including construction and demolition material, as it's prohibited;

That screening for evidence of contamination by visual, olfactory and PID soil screening practices prior to testing at the source as well as upon importing to the Site for grading is completed; and

That a maximum five-part composite sample will be collected from the segregated stockpile at the source at a minimum frequency of one sample per 250 cubic yards and analyzed for the following Full List parameters:

- VOCs by EPA Method 8260C (rev. 2006)
- SVOCs by EPA Method 8270D (rev. 2007)
- Pesticides by EPA Method 8081B (rev. 2000)
- PCBs by EPA Method 8082A (rev. 2000)
- TAL Metals by EPA Method 6010C (rev. 2007)

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to OER for review/approval prior to importing. The report will include the following:

Summary of number of samples collected and analyzed, tabulated data and comparison to the selected Site Use SCOs;

- Analytical data sheets and chain of custody documentation;
- Summary of number of tons (number cubic yards);
- Photographs from the segregated stockpile at the source with sample point locations identified;
- An affidavit from the source/facility on company letterhead stating that the segregated stockpile for number tons (number cubic yards) has been properly maintained at the source and complies with the requirements listed above; and

- A copy of source/facility NYSDEC permit.

A highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent) will be installed beneath the clean soil/fill surface cover. Upon importing and grading the OER approved clean soil cover for number tons (number cubic yards) on top of a highly visible demarcation barrier, the following documentation will be presented in the Final Remedial Closure Report:

Copies of purchase invoices;

Truck transportation slips from the source to the Site;

Confirmation of number tons (number cubic yards) of OER approved clean soil cover material imported and graded at the site on top of highly visible demarcation barrier;

Site plan depicting all areas where the OER approved clean soil cover has been placed; and

Photographs documenting the importing and grading of the OER approved clean soil cover across the site with the underlying highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent).

**APPENDIX G**  
**MANUFACTURER SPECIFICATIONS FOR VAPOR BARRIER**



# Stego® Wrap 20-Mil Vapor Barrier

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

## 1. Product Name

**Stego Wrap 20-Mil Vapor Barrier**

## 2. Manufacturer

Stego Industries, LLC  
216 Avenida Fabricante, Suite 101  
San Clemente, CA 92672  
Sales, Technical Assistance  
Ph: (877) 464-7834  
Fx: (949) 257-4113  
www.stegoindustries.com

## 3. Product Description

USES: Stego Wrap 20-Mil Vapor Barrier is used as a below-slab vapor barrier, and as a protection course for below grade waterproofing applications.

COMPOSITION: Stego Wrap 20-Mil Vapor Barrier is a multi-layer plastic extrusion manufactured with only the highest grade of prime, virgin, polyolefin resins.

### ENVIRONMENTAL FACTORS:

Stego Wrap 20-Mil Vapor Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

## 5. Installation

UNDER SLAB: Unroll Stego Wrap 20-Mil Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of six inches and tape using Stego Tape or Crete Claw® Tape. All penetrations must be sealed using a combination of Stego Wrap and Stego accessories.

For additional information, please refer to Stego's complete installation instructions.

## 6. Availability & Cost

Stego Wrap 20-Mil Vapor Barrier is available nationally via building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' sales department.

## 7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are

accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

## 8. Maintenance

None required.

## 9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website.

## 4. Technical Data

**TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 20-MIL VAPOR BARRIER**

PROPERTY	TEST	RESULTS
Under Slab Vapor Retarders	ASTM E 1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C
Water Vapor Permeance	ASTM F 1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0071 perms
Puncture Resistance	ASTM D 1709 – Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method	3500+ grams*
Tensile Strength	ASTM D 882 – Test Method for Tensile Properties of Thin Plastic Sheeting	97.7 lbf/in.
Permeance After Conditioning (ASTM E 1745 Sections 7.1.2 - 7.1.5)	ASTM E 154 Section 8, F 1249 – Permeance after wetting, drying, and soaking ASTM E 154 Section 11, F 1249 – Permeance after heat conditioning ASTM E 154 Section 12, F 1249 – Permeance after low temperature conditioning ASTM E 154 Section 13, F 1249 – Permeance after soil organism exposure	0.0088 perms 0.0081 perms 0.0084 perms 0.0077 perms
Thickness	ACI 302.1R-04 – Minimum Thickness (10 mils)	20 mils
Roll Dimensions		14 ft. wide x 105 ft. long or 1,470 ft <sup>2</sup>
Roll Weight		140 lbs.

Note: perm unit = grains/(ft<sup>2</sup> \*hr\* in.Hg)

\* The material maxed out the testing equipment and did not fail at 3746 grams.





# Stego® Wrap 20-Mil Vapor Barrier

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

## 1. Product Name

**Stego Wrap 20-Mil Vapor Barrier**

## 2. Manufacturer

Stego Industries, LLC  
216 Avenida Fabricante, Suite 101  
San Clemente, CA 92672  
Sales, Technical Assistance  
Ph: (877) 464-7834  
Fx: (949) 257-4113  
www.stegoindustries.com

## 3. Product Description

USES: Stego Wrap 20-Mil Vapor Barrier is used as a below-slab vapor barrier, and as a protection course for below grade waterproofing applications.

COMPOSITION: Stego Wrap 20-Mil Vapor Barrier is a multi-layer plastic extrusion manufactured with only the highest grade of prime, virgin, polyolefin resins.

### ENVIRONMENTAL FACTORS:

Stego Wrap 20-Mil Vapor Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

## 5. Installation

UNDER SLAB: Unroll Stego Wrap 20-Mil Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of six inches and tape using Stego Tape or Crete Claw® Tape. All penetrations must be sealed using a combination of Stego Wrap and Stego accessories.

For additional information, please refer to Stego's complete installation instructions.

## 6. Availability & Cost

Stego Wrap 20-Mil Vapor Barrier is available nationally via building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' sales department.

## 7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are

accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

## 8. Maintenance

None required.

## 9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website.

## 4. Technical Data

**TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 20-MIL VAPOR BARRIER**

PROPERTY	TEST	RESULTS
Under Slab Vapor Retarders	ASTM E 1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C
Water Vapor Permeance	ASTM F 1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0071 perms
Puncture Resistance	ASTM D 1709 – Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method	3500+ grams*
Tensile Strength	ASTM D 882 – Test Method for Tensile Properties of Thin Plastic Sheeting	97.7 lbf/in.
Permeance After Conditioning (ASTM E 1745 Sections 7.1.2 - 7.1.5)	ASTM E 154 Section 8, F 1249 – Permeance after wetting, drying, and soaking ASTM E 154 Section 11, F 1249 – Permeance after heat conditioning ASTM E 154 Section 12, F 1249 – Permeance after low temperature conditioning ASTM E 154 Section 13, F 1249 – Permeance after soil organism exposure	0.0088 perms 0.0081 perms 0.0084 perms 0.0077 perms
Thickness	ACI 302.1R-04 – Minimum Thickness (10 mils)	20 mils
Roll Dimensions		14 ft. wide x 105 ft. long or 1,470 ft <sup>2</sup>
Roll Weight		140 lbs.

Note: perm unit = grains/(ft<sup>2</sup> \*hr\* in.Hg)

\* The material maxed out the testing equipment and did not fail at 3746 grams.



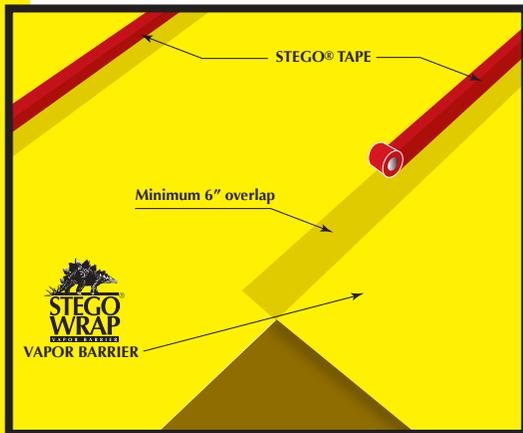
## PART 1

# STEGO WRAP VAPOR BARRIER/RETARDER INSTALLATION INSTRUCTIONS



**IMPORTANT:** Please read these installation instructions completely, prior to beginning any Stego Wrap installation. The following installation instructions are based on ASTM E 1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs. If project specifications call for compliance with ASTM E 1643, then be sure to review the specific installation sections outlined in the standard along with the techniques referenced in these instructions.

FIGURE 1: UNDER-SLAB INSTALLATION



## UNDER-SLAB INSTRUCTIONS:

1. Stego Wrap can be installed over an aggregate, sand, or tamped earth base. It is not necessary to have a cushion layer or sand base, as Stego Wrap is tough enough to withstand rugged construction environments.
2. Unroll Stego Wrap over the area where the slab is to be placed. Stego Wrap should completely cover the concrete placement area. All joints/seams both lateral and butt should be overlapped a minimum of six inches and taped using Stego Tape.

**NOTE:** The area of adhesion should be free from dust, dirt, moisture, and frost to allow maximum adhesion of the pressure-sensitive tape.

3. ASTM E 1643 requires sealing the perimeter of the slab. *Extend vapor retarder over footings and seal to foundation wall, grade beam, or slab at an elevation consistent with the top of the slab or terminate at impediments such as waterstops or dowels.* Consult the structural engineer of record before proceeding.

## SEAL TO SLAB AT PERIMETER:\*

**NOTE:** Clean the surface of Stego Wrap to ensure that the area of adhesion is free from dust, dirt, moisture, and frost to allow maximum adhesion of the pressure-sensitive adhesive.

- a. Install Crete Claw® on the entire perimeter edge of Stego Wrap.
- b. Prior to the placement of concrete, ensure that the top of Crete Claw is free of dirt, debris, or mud to maximize the bond to the concrete.

## STEGO LABOR SAVER!

This method not only complies with ASTM E 1643, but it also:

- reduces labor compared to other perimeter sealing techniques.
- can be used even without an existing wall or footing, unlike alternatives.

FIGURE 2a: SEAL TO SLAB AT PERIMETER

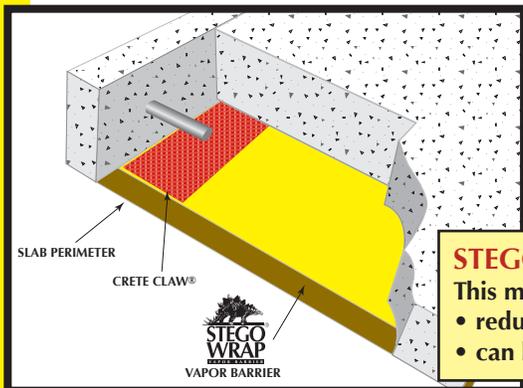


FIGURE 2b: SEAL TO PERIMETER WALL

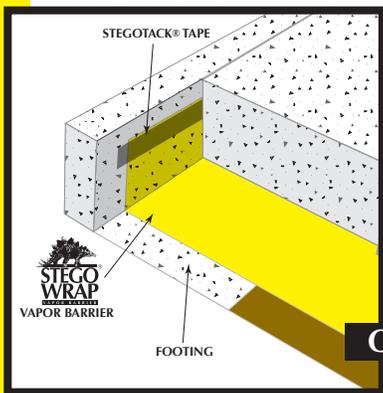
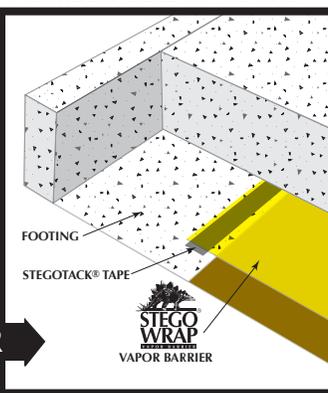


FIGURE 2c: SEAL TO FOOTING



## OR SEAL TO PERIMETER WALL OR FOOTING WITH STEGOTACK® TAPE:\*

- a. Make sure area of adhesion is free of dust, dirt, debris, moisture, and frost to allow maximum adhesion.
- b. Remove release liner on one side and stick to desired surface.
- c. When ready to apply Stego Wrap, remove the exposed release liner and press Stego Wrap firmly against StegoTack Tape to secure.

\* If ASTM E 1643 is specified, consult with project architect and structural engineer to determine which perimeter seal technique should be employed for the project.

**NOTE:** Stego Industries, LLC's ("Stego") installation instructions are based on ASTM E 1643 - Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs. These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or Stego products, please call us at 877-464-7834 for technical assistance. While Stego employees and representatives may provide technical assistance regarding the utility of a specific installation practice or Stego product, they are not authorized to make final design decisions.

- In the event that Stego Wrap is damaged during or after installation, repairs must be made. Stego Tape can be used to repair small holes in the material. For larger holes, cut a piece of Stego Wrap to a size and shape that covers any damage by a minimum overlap of six inches in all directions. Clean all adhesion areas of dust, dirt, moisture, and frost. Tape down all edges using Stego Tape (see figure 3, Sealing Damaged Areas).

**FIGURE 3: SEALING DAMAGED AREAS**



- IMPORTANT: ALL PENETRATIONS MUST BE SEALED.** All pipe, ducting, rebar, wire penetrations and block outs should be sealed using Stego Wrap, Stego Tape and/or Stego Mastic (see figure 4a, Pipe Penetration Sealing).

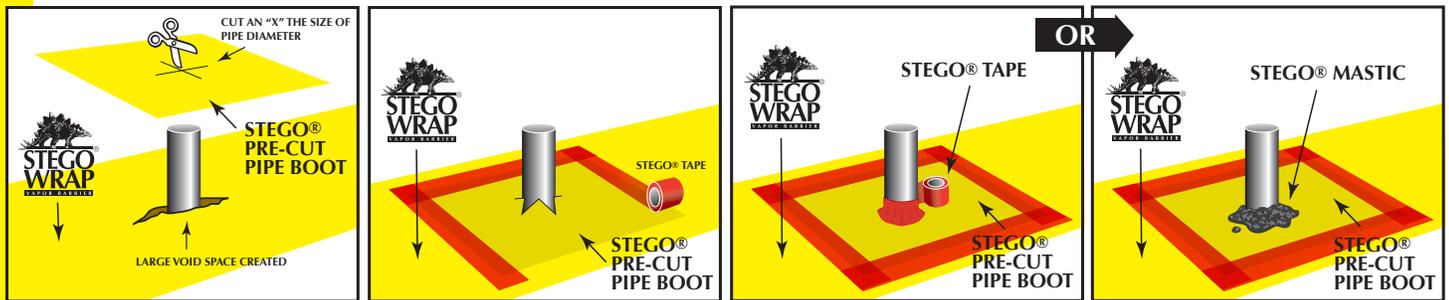
**FIGURE 4a: PIPE PENETRATION SEALING**



**STEGO WRAP PIPE PENETRATION REPAIR DETAIL:**

- Install Stego Wrap around pipe penetrations by slitting/cutting material as needed. Try to minimize the void space created.
- If Stego Wrap is close to pipe and void space is minimized then seal around pipe penetration with Stego Tape and/or Stego Mastic. **[See Figure 4a]**
- If detail patch is needed to minimize void space around penetration, then cut a detail patch to a size and shape that creates a six inch overlap on all edges around the void space at the base of the pipe. Stego Pre-Cut Pipe Boots are also available to speed up the installation.
- Cut an "X" the size of the pipe diameter in the center of the pipe boot and slide tightly over pipe.
- Tape down all sides of the pipe boot with Stego Tape.
- Seal around the base of the pipe using Stego Tape and/or Stego Mastic. **[See Figure 4b]**

**FIGURE 4b: DETAIL PATCH FOR PIPE PENETRATION SEALING**



**FIGURE 5: MULTIPLE PIPE PENETRATION SEALING**



**MULTIPLE PIPE PENETRATION SEALING:**

Multiple pipe penetrations in close proximity and very small pipes may be sealed using Stego Wrap and Stego Mastic for ease of installation (see figure 5, Multiple Pipe Penetration Sealing).

**NOTE:** Stego Industries, LLC's ("Stego") installation instructions are based on ASTM E 1643 - *Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs*. These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or Stego products, please call us at 877-464-7834 for technical assistance. While Stego employees and representatives may provide technical assistance regarding the utility of a specific installation practice or Stego product, they are not authorized to make final design decisions.

## PART 2

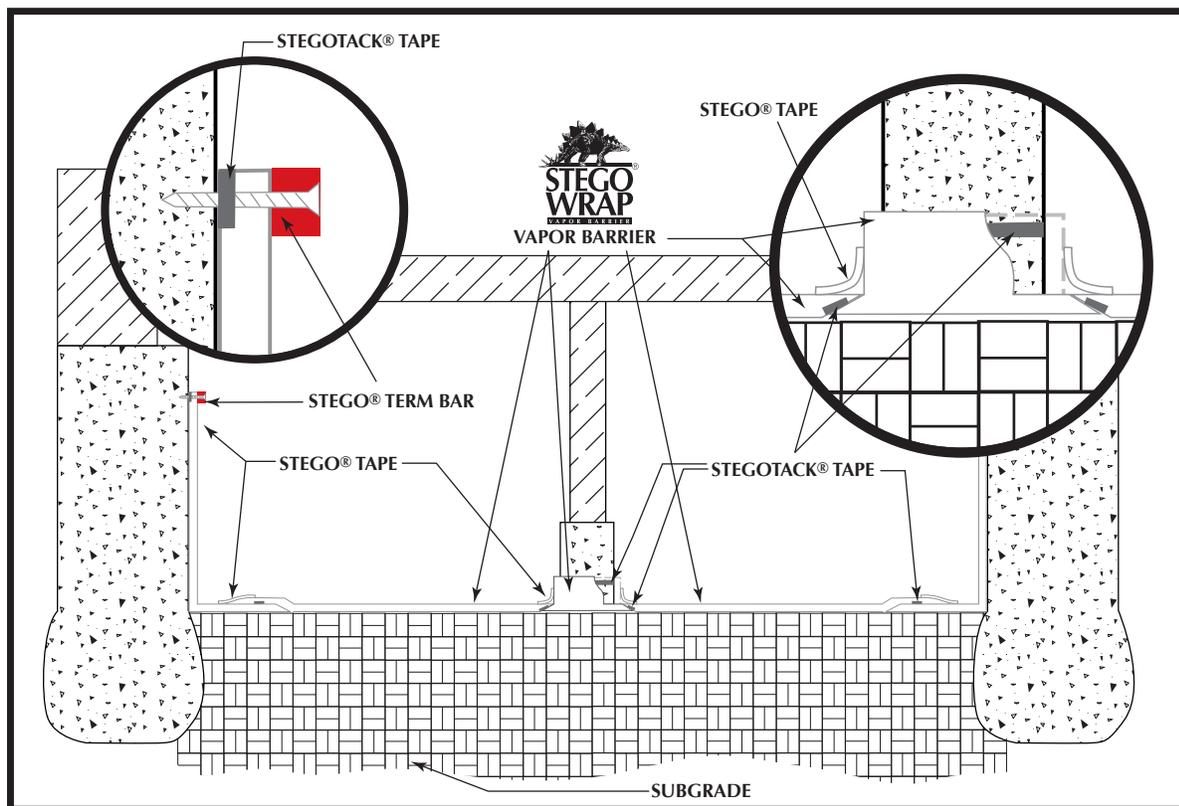
# STEGO WRAP VAPOR BARRIER/RETARDER INSTALLATION INSTRUCTIONS



### CRAWL SPACE INSTALLATION INSTRUCTIONS:

1. Turn Stego Wrap up the foundation wall to a minimum height of six inches above the outside/exterior grade or in compliance with local building codes and terminate with Stego Term Bar. To form a complete seal, apply StegoTack Tape or a layer of Stego Mastic to the foundation wall prior to installing Stego Term Bar. Allow one hour for Stego Mastic to cure prior to installing Stego Term Bar.
2. Seal Stego Wrap around all penetrations and columns using Stego Tape, StegoTack Tape, and/or Stego Mastic.
3. Place Stego Wrap directly over the crawl space floor. If rigid insulation is to be used, install Stego Wrap prior to insulation (under insulation and between the foundation wall and insulation).
4. Overlap seams a minimum of six inches and seal with Stego Tape. Some codes require a minimum of a twelve inch overlap. Check appropriate codes prior to installation.

FIGURE 6: CRAWL SPACE INSTALLATION



NOTE: Stego Wrap Vapor Barrier and Stego Tape are both available in white (as shown in illustration above).

### INSTALLATION TIP:

1. For a cleaner look and to prevent against tenting of Stego Wrap at the foundation wall/foundation floor intersection, consider mechanically fastening Stego Wrap to base of foundation wall in addition to the above mentioned wall termination.

**NOTE:** Stego Industries, LLC's ("Stego") installation instructions are based on ASTM E 1643 - *Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs*. These instructions are meant to be used as a guide, and do not take into account specific job site situations. Consult local building codes and regulations along with the building owner or owner's representative before proceeding. If you have any questions regarding the above mentioned installation instructions or Stego products, please call us at 877-464-7834 for technical assistance. While Stego employees and representatives may provide technical assistance regarding the utility of a specific installation practice or Stego product, they are not authorized to make final design decisions.



# STEGO® WRAP VAPOR BARRIER

ASTM E 1745 Class A-B-C Compliant

## STEGO® WRAP VAPOR BARRIER

is made with our proven trade secret blend of prime virgin resins and additives. Stego Wrap Vapor Barrier is an ASTM E 1745 Class A Vapor Barrier (Below 0.01 perms). We focus on producing a product that will maintain its extremely low permeance for the life of a building. The protection of Stego Wrap Vapor Barrier provides the flexibility to change flooring types and overall building use without worrying about below-slab moisture vapor.

### FEATURES & BENEFITS

**Unsurpassed Permeance Characteristics**

**Life of the Building Protection**

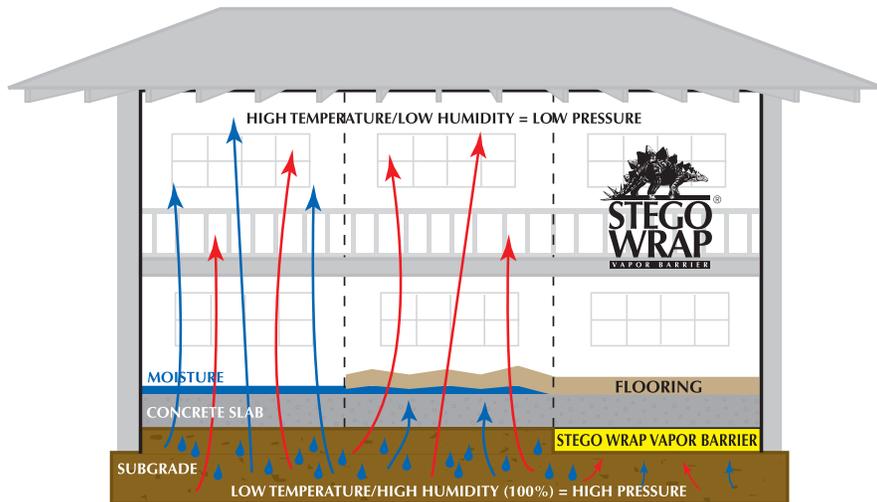
**Exceptional Tear and Puncture Resistance**

**Easy, Reliable Installation**

**Competitively Priced**

**Available Nationwide**

**Local Support**



→ RADON GAS      → MOISTURE

*Regardless of the location of the water table, humidity below concrete slabs approximates 100%. Typical below slab vapor pressure is more than twice that of building interiors at room temperature, creating vapor drive from the substrate, up through the slab, and into the building.*

## THE STEGO® ADVANTAGES

### SUPERIOR DEFENSE Against Floor Failures:

Experts say "the need for a vapor barrier (as opposed to a vapor retarder) is becoming increasingly clear." Concrete Construction Magazine, August 2003, p.18.

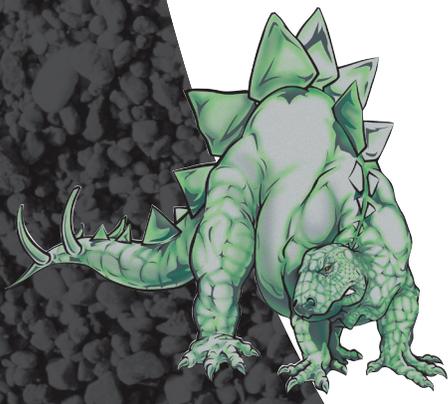
Infiltration of moisture through concrete slabs is a major building defect liability. Stego Wrap Vapor Barrier has an extremely low permeance preventing water vapor, soil gases (i.e. Radon), alkaline salts and soil sulfates from compromising the integrity of the building envelope and leading to serious problems with the concrete slab, floor coverings and indoor air quality. Stego Wrap Vapor Barrier is the best protection against these costly failures.

### MOLD PREVENTION:

Mold needs three things to survive: moisture, sustained temperature (between 50° and 122° F), and a food source (dust, drywall, etc.). In any given building environment, contractors can only control one of these variables: moisture. Mold spores are present in 100% of building interiors. If moisture is allowed into your building environment, mold can and will grow. Toxic molds like Stachybotrys can be fatal for nearly 5% of people (Institute of Medicine 1993), and cause a variety of serious health problems in others. Several recent well-publicized cases involving toxic mold have resulted in multimillion-dollar insurance settlements. Many of the nation's leading Insurance companies have severely limited or removed coverage for mold claims fearing that these claims will bankrupt their companies. Now more than ever, it is critically important that extra attention be paid to preventing the intrusion of moisture vapor from your below-slab environment. Stego Wrap Vapor Barrier offers the level of protection that many architects are now seeking and is considered to be inexpensive insurance against these costly failures.

### LONGEVITY AND STRENGTH:

Stego Wrap Vapor Barrier is NOT made with recycled materials and will not degrade. Prime, virgin resins are the key. Molecules within Stego Wrap "interlock" to provide strength, durability and unprecedented resistance to moisture vapor and radon gas. Stego Wrap's puncture resistance is excellent. Stego Wrap will not tear, crack, flake, snag or puncture, even when 18,000 lb. laser-screed machines are driving directly across the barrier (see the reverse side for Stego Wrap Vapor Barrier's specifications).



Stego Industries, LLC • San Clemente, CA

Tel: 949-257-4100 • Toll Free: 877-464-7834 • Fax: 949-257-4113

[www.stegoindustries.com](http://www.stegoindustries.com)



# Stego® Mastic

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

**1. Product Name**  
**Stego Mastic**

**2. Manufacturer**

Stego Industries, LLC  
216 Avenida Fabricante, Suite 101  
San Clemente, CA 92672  
Sales, Technical Assistance  
Ph: (877) 464-7834  
Fx: (949) 257-4113  
www.stegoindustries.com

**3. Product Description**

**USES:** Stego Mastic is designed to be used as a waterproofing and vapor retardant membrane for use in conjunction with Stego Wrap 10-mil and 15-mil Vapor Retarder/Barrier. Stego Mastic can be used as an alternate to boots for pipe penetrations in Stego Wrap Vapor Barrier. Stego Mastic can also be used as a primary waterproofing for below grade walls.  
**COMPOSITION:** Stego Mastic is a medium-viscosity, water-based, polymer-modified anionic bituminous/asphalt emulsion, which exhibits bonding, elongation and waterproofing characteristics.  
**SIZE:** Stego Mastic comes in five-gallon buckets.

**4. Technical Data**

**APPLICABLE STANDARDS:**

American Society for Testing and Materials (ASTM)

- ASTM D 412 Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers - Tension
- ASTM E 154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth under Concrete Slabs, on Walls, or as Ground Cover
- ASTM G 23 Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials (Withdrawn 2000)
- ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM D 751 Standard Test Methods for Coated Fabrics
- ASTM D 1434 Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting

- ASTM C 836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course.
- ASTM E 1643 Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill under Concrete Slabs.

**5. Installation**

**PREPARATION:**

- A test application simulating the project environment should always be done prior to final usage of Stego Mastic.
- All Surfaces should be dry and free of loose materials, oils and other contaminants. The surfaces should be cleaned in the same fashion as the test surface in order to ensure proper results.
- Store above 40°F

**PENETRATIONS:**

For small pipe and rebar penetrations in Stego Wrap Vapor Barrier cut Stego Wrap just big enough for the penetration. Liberally apply Stego Mastic around the penetration to keep the integrity of the membrane intact. Stego Mastic can be applied by brush, roller, or sprayer.

**NOTES:** 1) For larger penetrations or wide cut-outs of Stego Wrap, use Stego Wrap and Stego Red Polyethylene Tape to repair and seal. 2) Solvent-based products should not be applied over this product.

**CLEANING:**

Clean all tools with kerosene and/or oil-based cleaners.

**6. Availability & Cost**

Stego Mastic is available nationally via building supply distributors. For current cost information, contact your local Stego distributor or Stego Industries' sales department.

**7. Warranty**

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

**8. Maintenance**

None required.

**9. Technical Services**

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or by visiting the website.

**10. Filing Systems**

- Stego Industries' website
- Buildsite

**TABLE 1: PHYSICAL PROPERTIES OF STEGO MASTIC**

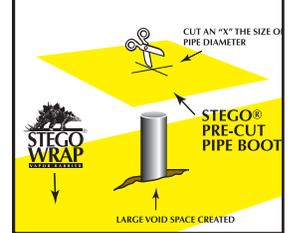
Property and Test	Stego Mastic
Tensile/Elongation, ASTM D 412	32 psi / 3860%
Resistance to Decay, ASTM E 154	9% perm loss
Accelerated Aging, ASTM G 23	No Effect
Permeance, ASTM E 96	0.17 Perms
Hydrostatic Water Pressure, ASTM D 751	28 psi
Methane Transmission Rate, ASTM D 1434	0
Adhesion to Concrete & Masonry, ASTM C 836	7 lbf./in.
Hardness, ASTM C 836	85
Crack Bridging, ASTM C 836	No Cracking
Low Temp Flexibility, ASTM C 836	No Cracking at -20°C
<b>Resistance to Acids:</b>	
Acetic	30%
Sulfuric and Hydrochloric	15%
<b>Temperature Effect:</b>	
Stable	248°F
Flexible	13°F

Note: perm unit = grains/(ft<sup>2</sup> \*hr\* in.Hg)



# Stego® Pre-Cut Pipe Boots

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

## 1. Product Name

**Stego Pre-Cut Pipe Boots**

## 2. Manufacturer

Stego Industries, LLC  
 216 Avenida Fabricante, Suite 101  
 San Clemente, CA 92672  
 Sales, Technical Assistance  
 Ph: (877) 464-7834  
 Fx: (949) 257-4113  
 www.stegoindustries.com

## 3. Product Description

USES: Stego Pre-Cut Pipe Boots are used to seal around permanent penetrations in Stego Wrap.

COMPOSITION: Stego Pre-Cut Pipe Boots are made from Stego Wrap Vapor Barrier (15-mil), and therefore are manufactured from only the highest grade of prime, virgin, polyolefin resins.

SIZE: Stego Pre-Cut Pipe Boots are 18" by 18" and 15 mils thick. Stego Pre-Cut Pipe Boots ship 10 packs of 25 in a case (250 boots per case).

## 5. Installation

UNDER SLAB: Cut an "X" the size of the pipe diameter in the center of the Pre-Cut Pipe Boot and slide tightly over pipe. Tape all sides of the pipe boot with Stego Tape. Seal around the base of the pipe using Stego tape and/or Stego Mastic.

## 6. Availability & Cost

Stego Pre-Cut Pipe Boots are available nationally through our network of building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' Sales Representative.

## 7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability

from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

## 8. Maintenance

None required.

## 9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website. [www.stegoindustries.com](http://www.stegoindustries.com)

## 4. Technical Data

**TABLE 1: PHYSICAL PROPERTIES OF STEGO PRE-CUT PIPE BOOTS**

PROPERTY	TEST	RESULTS
Under Slab Vapor Retarders	ASTM E 1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C
Water Vapor Permeance	ASTM F 1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0084 perms *0.0035 WVTR
Puncture Resistance	ASTM D 1709 – Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method	2326 grams
Tensile Strength	ASTM D 882 – Test Method for Tensile Properties of Thin Plastic Sheeting	79.6 lbf/in.
Permeance After Conditioning (ASTM E 1745 Sections 7.1.2 - 7.1.5)	ASTM E 154 Section 8, F 1249 – Permeance after wetting, drying, and soaking ASTM E 154 Section 11, F 1249 – Permeance after heat conditioning ASTM E 154 Section 12, F 1249 – Permeance after low temperature conditioning ASTM E 154 Section 13, F 1249 – Permeance after soil organism exposure	0.0091 perms 0.0092 perms 0.0089 perms 0.0092 perms
Thickness	ACI 302.1R-04 – Minimum Thickness (10 mils)	15 mils
Pipe Boot Dimensions		18" x 18"

Note: perm unit = grains/(ft<sup>2</sup> \*hr\* in.Hg) \* WVTR = Water Vapor Transmission Rate



# Stego® Term Bar

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

### 1. Product Name

**Stego Term Bar**

### 2. Manufacturer

Stego Industries, LLC  
 216 Avenida Fabricante, Suite 101  
 San Clemente, CA 92672  
 Sales, Technical Assistance  
 Ph: (877) 464-7834  
 Fx: (949) 257-4113  
[www.stegoindustries.com](http://www.stegoindustries.com)

### 3. Product Description

**USES:** Stego Term Bar is a semi-flexible plastic termination bar used for mechanically securing Stego Wrap or other materials to concrete, masonry, or wood.

**COMPOSITION:** Stego Term Bar is made from post-industrial recycled PVC.

### 5. Installation

**UNDER SLAB:** Nail through Stego Term Bar and Stego Wrap to secure material as needed. If the beveled edge is facing

the wall, a pocket/lip is created for mastic/sealant to be used if required. Pre-drilled nail holes are provided every 6 inches for ease of installation.

To cut Stego Term Bar, score with a utility knife or wire snips. Stego Term Bar can be bent back and forth and then broken at desired locations as well.

Stego Term Bar is flexible enough to bend around corners and contours in the wall for easy installation.

### 6. Availability & Cost

Stego Term Bar is available nationally through our network of building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' Sales Representative.

### 7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications

and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

### 8. Maintenance

Store above 60°F. Term Bar will become less flexible at lower temperatures.

### 9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website. [www.stegoindustries.com](http://www.stegoindustries.com)

### 10. Filing Systems

[www.stegoindustries.com](http://www.stegoindustries.com)

## 4. Technical Data

**TABLE 1: PHYSICAL PROPERTIES OF STEGO TERM BAR**

PROPERTY	RESULTS
Dimensions	4 feet long, 1 1/8 inches wide
Color	Red
Material	Recycled PVC
Weight	4.7 oz. (132 grams)





# StegoTack™ Tape

STEGO INDUSTRIES, LLC



**Vapor Retarders**  
**07 26 00, 03 30 00**

## 1. Product Name

**StegoTack™ Tape**

## 2. Manufacturer

Stego Industries, LLC  
216 Avenida Fabricante, Suite 101  
San Clemente, CA 92672  
Sales, Technical Assistance  
Ph: (877) 464-7834  
Fx: (949) 257-4113  
www.stegoindustries.com

## 3. Product Description

**USES:** StegoTack Tape is a double-sided adhesive strip used to bond and seal Stego Wrap to concrete, masonry, wood, metal, and other surfaces. StegoTack is a flexible and moldable material to allow for a variety of applications and installations.

**COMPOSITION:** StegoTack Tape is made from a blend of synthetic rubber and resins. StegoTack already has primer in the adhesive, so additional primer is typically not necessary.

**SIZE:** StegoTack Tape is 2 inches wide and 50 feet long. StegoTack Tape ships 12 rolls in a case.

## 5. Installation

**TO WALLS:** Make sure the area of adhesion is free of dust, dirt, debris, moisture, and frost to allow maximum adhesion. Remove release liner on one side and stick to desired surface. When ready to apply Stego Wrap, remove the exposed release liner and press Stego Wrap firmly against StegoTack Tape to secure.

**TO FOOTINGS:** Make sure the area of adhesion is free of dust, dirt, debris, moisture, and frost to allow maximum adhesion. Remove release liner on one side and stick to desired surface. When ready to apply Stego Wrap, remove the exposed release liner and press Stego Wrap firmly against StegoTack Tape to secure.

Cut StegoTack Tape using a utility knife or scissors. Cut StegoTack Tape before removing the release liner for easier cutting. Install StegoTack Tape between 40°F and 110°F. For additional information please refer to Stego's complete installation instructions.

## 6. Availability & Cost

StegoTack Tape is available nationally through our network of building

supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' Sales Representative.

## 7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

## 8. Maintenance

For longer adhesive life, store in dry, temperate area.

## 9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website. [www.stegoindustries.com](http://www.stegoindustries.com)

## 10. Filing Systems

[www.stegoindustries.com](http://www.stegoindustries.com)  
Buildsite

## 4. Technical Data

**TABLE 1: PHYSICAL PROPERTIES OF STEGOTACK TAPE**

PROPERTY	RESULTS
Dimensions	50 feet long, 2 inches wide
Total Thickness	30 Mils
Color	Grey
Material	Synthetic rubber blend
Adhesion to Steel	10.3 lbs./in. width ASTM C 1000
Installation Temperature	40°F/110°F (4°C/43°C)
In Service Temperature Range	-20°F/+140°F (-29°C/60°C)
VOC Content	No VOC's, 100% solids

