LIGHTHOUSE POINT REDEVELOPMENT

STATEN ISLAND, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 15CVCP162R

Prepared for:

5 Bay Street, LLC
30-56 Whitestone Expressway
Whitestone, New York

(718)463-5757

Prepared by:

Roux Associates, Inc.
209 Shafter Street
Islandia, New York

631-232-2600

November 2015

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

LIST OF ACRONYMS iii
CERTIFICATION iv
EXECUTIVE SUMMARY v
1.0 SITE BACKGROUND 1
1.1 Site Location and Current Usage 1
1.2 Proposed Redevelopment Plan 1
1.3 Description of Surrounding Property 2
2.0 SITE HISTORY 3
2.1 Past Uses and Ownership 3
2.2 Previous Investigations 4
2.3 Site Inspection 6
2.4 Areas of Concern 6
3.0 PROJECT MANAGEMENT 7
3.1 Project Organization 7
3.2 Health and Safety 7
3.3 Materials Management 7
4.0 REMEDIAL INVESTIGATION ACTIVITIES 8
4.1 Geophysical Investigation 8
4.2 Borings and Monitoring Wells 8
4.3 Sample Collection and Chemical Analysis 10
5.0 ENVIRONMENTAL EVALUATION 14
5.1 Geological and Hydrogeological Conditions 14
5.2 Soil Chemistry 14
5.3 Groundwater Chemistry 15
5.4 Soil Vapor Chemistry 16
5.5 Prior Activity 17
5.6 Impediments to Remedial Action 17

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Semivolatile Organic Compounds in Soil
3. Summary of Metals in Soil
4. Summary of Polychlorinated Biphenyls in Soil
5. Summary of Pesticides in Soil
6. Summary of Volatile Organic Compounds in Groundwater
7. Summary of Semivolatile Organic Compounds in Groundwater
8. Summary of Metals in Groundwater
9. Summary of Polychlorinated Biphenyls in Groundwater
10. Summary of Pesticides in Groundwater
11. Summary of Volatile Organic Compounds in Soil Vapor

FIGURES

1. Site Location Map
2. Site Plan
3. Redevelopment Plan
4. Surrounding Land Usage

APPENDICES

A. Roux Associates 2013 Phase I ESA *(Provided on CD in Bound Report)*
B. Roux Associates 2007 Phase II ESA *(Provided on CD in Bound Report)*
C. Soil Boring Logs
D. Laboratory Data Deliverables *(Provided on CD in Bound Report)*

PLATES

1. Summary of Soil Exceedances
2. Summary of Groundwater Exceedances
3. Summary of Soil Vapor Exceedances

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Sin Senh, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Lighthouse Point Redevelopment Site (NYC VCP Site No. 15CVCP162R). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents, and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Sin Senh	11/10/15	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) 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 remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The site is located at 5 Bay Street in the St. George section of Staten Island, New York and is identified as Block 1 and Lots 58 and 60 on the New York City Tax Map (Site). Figure 1 shows the Site location. The Site is approximately 135,000 square feet and is bounded by the Saint George Ferry Terminal and Saint George train station of the MTA Staten Island Railway to the north, the US Post Office along Bay Street and commercial buildings to the south, an esplanade, Borough Plaza, and New York City Department of Transportation Saint George ferry maintenance building immediately east, with piers and Upper New York Bay further east , and Bay Street, Staten Island Borough Hall, and the County Courthouse to the west. A map of the Site boundary is shown in Figure 2. Currently, the western portion of the Site is vacant and vegetated; the eastern portion of the Site contains four vacant historic buildings, and six historic underground vaults built into the hillside.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of the restoration of four historic buildings, the historic underground vaults, as well as the construction of two new buildings, outdoor esplanade, and subgrade parking facility. Phase 1 of the development consists of the leasing of a 44,813 square foot parcel of land located at 5 Bay Street (Lot 58); the construction and equipping of a new commercial building totaling approximately 66,295 square feet with an approximately 96,523 square foot parking structure and 117 apartment units in a 13 story tower over the commercial space. The commercial tenants will be a mix of restaurants, supermarket, and office space. Phase 2 of the development consists of the leasing of a 101,361 square foot parcel of land located at 5 Bay Street (Lot 60); the restoration and equipping of four existing historic buildings totaling approximately 40,668 square feet and the construction and equipping of a new commercial building totaling approximately 108,055 with an approximately 46,590 square foot parking structure. The proposed development will serve as a waterfront destination for tourists

and local residents and will include open space areas and retail, hotel, conference center, and parking facilities. Layout of the proposed Site development is presented in Figure 3. The current zoning designation is C4-2 and designates commercial mixed use. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

In 1862, the U.S. Lighthouse Board (later U.S. Lighthouse Service), chose the Site to be part of a "super depot" of the Third District U.S. Lighthouse Depot. From 1862 to 1939, this lighthouse depot was the headquarters of the U.S. Lighthouse Service, supplying other District Depots along the East Coast and serving as the central headquarters for technological research. The buildings currently onsite were constructed during this period. This includes Building No. 5 (constructed in 1917), Building no. 6 (constructed in 1864), Building no. 7 (constructed in three phases between 1868 and 1918), and Building no. 8 (constructed in 1868). The vaults were constructed in 1886.

The Coast Guard took over duties of the Lighthouse Service in 1939 and remained onsite until about 1968. During the Coast Guard's occupancy, Building no. 5 was used as a utility building; Building no. 6 was used as barracks and galley; Building no. 7 was used as an administration building; Building no. 8 was used as an industrial supply warehouse; and the vaults were used to store oil and supplies. The Site was subsequently occupied by the New York Harbor Pilot's Association until 1982, when New York City purchased the Site, which has remained vacant to date. It is noted that two residential homes, two and three stories in height, were also present in the western portion of the Site, north of the existing U.S.P.S. office. The buildings were constructed as early as 1917 and demolished between 1984 and 1991.

The AOCs identified for this Site include:

1. Historic fill: Historic fill, of an unknown origin, was identified in shallow soil near the historic buildings, in the eastern portion of the Site.
2. Historic Site use: The historic operation of the property as the headquarters of the United States Lighthouse Service, and subsequent Coast Guard operations.

Summary of the Work Performed under the Remedial Investigation

Roux Associates, Inc., on behalf of 5 Bay Street, LLC., performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed four soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two temporary groundwater monitoring wells, and utilized an existing groundwater monitoring well to establish groundwater flow; and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis;
5. Installed seven soil borings across the project Site during the 2007 Phase II investigation, and collected seven soil samples for chemical analysis to evaluate soil quality;
6. Installed six temporary groundwater monitoring wells during the 2007 Phase II investigation, and collected six groundwater samples for chemical analysis to evaluate groundwater quality.
7. Installed seventeen soil borings across the entire project Site, and collected 59 soil samples for waste characterization analysis in preparation of soil disposal.

Summary of Environmental Findings

1. Elevation of the property ranges from 50 feet above mean sea level on the west side to 20 feet above mean sea level on the east side feet.
2. The 2015 observed depth to groundwater ranges from 29 feet to 33 at the Site. During the 2007 Phase II, the depth of groundwater ranged from 8 to 25 ft bls.
3. Groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock is approximately fifty to one hundred feet at the Site.
5. The stratigraphy of the Site, from the surface down, consists of zero to six feet of historic fill, ground moraine of Wisconsinan glacial drift. These unconsolidated deposits are mainly reddish-brown clayey till and consist of an unsorted mixture of clay, silt, sand, gravel, and sparse to abundant cobbles and boulders. Approximate depth to bedrock in the vicinity of the Site ranges from 35 to 80 feet below land surface (ft bls), according to the Geotechnical Engineering Study prepared by Langan Engineering, dated January 2015.
6. Soil samples collected during the 2007 Phase II were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use (UUSCO) and Restricted Residential Use (RRSCOs). The soil investigation detected concentrations of several volatile organic compounds (VOCs) including, acetone, carbon disulfide, chloromethane, methylene chloride, and toluene in the soil samples. Only one VOC, acetone (67ug/kg), exceeded the UUSCO. Eleven semivolatile organic compounds (SVOC) were detected, with no SVOCs exceeding their respective UUSCO values. Nine metals were detected in soil samples, with six metals at concentrations above their respective UUSCOs, including chromium (52 mg/kg), copper (100 mg/kg), lead (330 mg/kg), mercury (2.7 mg/kg),

nickel (650 mg/kg), and zinc (130 mg/kg). Of these metals, mercury and nickel also exceeded RRSCOs. Pesticides and PCBs were not detected in any sample.

7. Soil samples collected during the remedial investigation in June 2015 were compared to NYSDEC Part 375 Table 375-6.8(a) and (b) Soil Cleanup Objectives (SCOs) for Unrestricted Use and Restricted Residential Use. Soil results showed the presence of pesticides and metals. Samples collected from the top two feet of each boring exhibited detections of organochlorine pesticides including 4,4,DDE (44.6 µg/kg), 4,4,DDT (28.5 µg/kg), alpha-Chlordane (165 µg/kg), and dieldrin (155 µg/kg) that exceeded UUSCOs. Three of the four samples collected from the 0 to 2 ft bls interval also exhibited detections of metals including arsenic (17 mg/kg), chromium (47 mg/kg), copper (70 mg/kg), lead (230 mg/kg), mercury (0.35 mg/kg), nickel (100 mg/kg) and zinc (120 mg/kg) at concentrations exceeding UUSCOs. Only one metal, arsenic, slightly exceeded RRSCOs. Four representative endpoint soil samples collected from the two foot interval beneath the proposed bottom of excavation did not exceed any standard with the exception of nickel at 100 mg/kg in one sample.

8. The 2007 groundwater sample were compared to the New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). No PCBs or pesticides were detected. Two VOCs, methylene chloride and trichloroethene, were detected in the groundwater samples, one of which, methylene chloride (5.2ug/L), exceeded its GQSs. No SVOCs exceed there GQSs, however trace concentrations of one SVOC, bis(2-ethylhexyl)phthalate, was detected in one groundwater sample. Several metals were detected in the unfiltered groundwater samples at concentrations above their respective GQSs including arsenic, barium, beryllium, chromium, copper, lead, and nickel. One dissolved metal, nickel (110 µg/L) exceeded its respective GQS.

9. The 2015 remedial investigation groundwater samples were compared to the New York State 6NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). The groundwater results detected petroleum-related volatile organic compounds (VOCS) in one sample. These VOCs included benzene (17 µg/L), ethylbenzene (5.4 µg/L), o-xylene (5.8 µg/L), and toluene (46 µg/L), exceeding their respective GQSs. One pesticide, dieldrin, was detected in groundwater. Several metals were identified in groundwater and only magnesium, manganese and sodium exceeded their respective GQSs in dissolved water samples.

10. Soil vapor results collected during the 2015 RI Investigation were compared to the Vapor Intrusion Matrices in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Total maximum concentrations of petroleum-related VOCs (BTEX) were 83.54 $\mu g/m^3$. Overall, the highest reported total VOC concentrations were identified for 2-Butanone (9,820 $\mu g/m^3$), acetone (5390 $\mu g/m^3$) and ethanol (878 $\mu g/m^3$). The chlorinated VOC trichloroethene (TCE) was detected in one of five soil gas samples at a concentration of 434 $\mu g/m^3$ in SV-2, exceeding the Sub- Slab Vapor Concentration guidance value of the 2006 Soil Vapor/Indoor Air Matrix 1 at a level that requires mitigation. Tetrachloroethene (PCE) was also detected in two of five soil gas samples at 7.32 $\mu g/m^3$ and 56.4 $\mu g/m^3$in SV-5 and SV-3, respectively.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

5 Bay Street, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 3.08-acre site located at 5 Bay Street in the St. George section of Staten Island, New York (Site). Mixed commercial and residential use is proposed for the property. The RI work was performed between June 8, 2015 and June 16, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 5 Bay Street in the St. George section of Staten Island, New York and is identified as Block 1 and Lots 58 and 60 on the New York City Tax Map. Figure 1 shows the Site location. The Site is approximately 135,000 square feet and is bounded by the Saint George Ferry Terminal and Saint George train station of the MTA Staten Island Railway to the north, the US Post Office along Bay Street and commercial buildings to the south, an esplanade, Borough Plaza, and New York City Department of Transportation Saint George ferry maintenance building immediately east, with piers and Upper New York Bay further east , and Bay Street, Staten Island Borough Hall, and the County Courthouse to the west. A map of the Site boundary is shown in Figure 2. Currently, the western portion of the Site is vacant and vegetated; the eastern portion of the Site contains four vacant historic buildings, and six historic underground vaults built into the hillside.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of the restoration of four historic buildings, the historic underground vaults, as well as the construction of new buildings. Phase 1 of the development consists of the leasing of a 44,813 square foot parcel of land located at 5 Bay Street (Lot 58); the construction and equipping of a new commercial building totaling approximately 66,295 square feet with an approximately 96,523 square foot parking structure and 117 apartment units in a 13 story tower over the commercial space. The commercial tenants will be a mix of restaurants, supermarket and office space. Phase 2 of the development consists of the

leasing of a 101,361 square foot parcel of land located at 5 Bay Street (Lot 60) the restoration and equipping of four existing historic buildings totaling approximately 40,668 square feet and the construction and equipping of a new commercial building totaling approximately 108,055 with an approximately 46,590 square foot parking structure. The proposed development will serve as a waterfront destination for tourists and local residents and will include open space areas and retail, hotel, conference center and parking facilities. . Layout of the proposed Site development is presented in Figure 3. The current zoning designation is C4-2 and designates commercial mixed use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is bounded by the Saint George Ferry Terminal and Saint George train station of the MTA Staten Island Railway to the north; the US Post Office along Bay Street and commercial buildings to the south; an esplanade, Borough Plaza, and New York City Department of Transportation Saint George ferry maintenance building immediately east, with piers and Upper New York Bay further east; and Bay Street, Staten Island Borough Hall, and the County Courthouse to the west. No schools or hospitals are within a 250 to 500- foot radius. However, there is a day care listed at 80 Bay Street, Staten Island, New York that is approximately 400 feet from the closest Site boundary; the remediation of the Site will have no adverse effects on this location.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site was previously owned by the City of New York and is approximately three acres, improved with four buildings and six underground vaults built into the hillside. The Site buildings (previously designated as Building nos. 5 through 8) were identified as being vacant as of the 1992 Sanborn fire insurance map. The eastern portion of the Site is approximately 20 feet above mean sea level (ft amsl) and the western part is approximately 50 ft amsl. A retaining wall is present west of the Site buildings, which is where the entrances to the vaults are located. The vaults extend westward, abutting the Saint George Tunnel, a right-of-way of the Metropolitan Transportation Authority (MTA) Staten Island Railway that runs beneath the Site on a north-south axis.

Based upon a review of historical information, as described in the Roux Associates, Inc. (Roux Associates) January 2013 Phase I ESA as well as the Sandstone Environmental Associates, Inc. (SEA) October 1999 Phase I ESA, the Site was part of a larger quarantine facility (approximately 30 acres), from circa 1799 to 1858, at which time the facility was burnt to the ground. The Revenue Cutter Service, the oldest armed maritime service in the United States, also used five of the 30 acres as a base until after the Civil War.

In 1862, the U.S. Lighthouse Board (later U.S. Lighthouse Service), chose the Site to be part of a "super depot" of the Third District U.S. Lighthouse Depot. From 1862 to 1939, this lighthouse depot was the headquarters of the U.S. Lighthouse Service, supplying other District Depots along the East Coast and serving as the central headquarters for technological research. The buildings currently onsite were constructed during this period. This includes Building No. 5 (constructed in 1917), Building no. 6 (constructed in 1864), Building no. 7 (constructed in three phases between 1868 and 1918), and Building no. 8 (constructed in 1868). The vaults were constructed in 1886. A short summary of building uses during this period of time follows:

- *Building 5* - A one-story brick building located between Building no. 6 and the vaults, which was used as a laboratory by engineers at the lighthouse depot to test fuels and to experiment with lamp design. Contrary to the other remaining buildings, Building no. 5 is not listed on the National Register of Historic Places or as a New York City Historic Landmark.

- *Building 6* - This four-story brick building is the oldest building at the Site, built in 1864, and was used as a warehouse. It is listed on the National Register of Historic Places.

- *Building 7* - This building housed the offices of the Superintendent and Engineer of the Lighthouse Depot and their staff. It originally consisted of only the center section. Around the turn of the century, the wings were added, as well as the space behind the building, filling in between the wings. Building no. 6 is listed on the National Register of Historic Places and is also a New York City Historic Landmark.

- *Building 8* – Similar to Building no. 6 in its exterior appearance, Building no. 8 was constructed as a lamp shop to assemble and repair lighthouse lenses. Building no. 8 is listed on the National Register of Historic Places.

- *The Vaults* –The vaults are built into the hillside behind Building 5 and served as storage of volatile lighthouse fuels used for experimental purposes as an alternative to whale oil. The vaults are listed on the National Register of Historic Places.

The Coast Guard took over duties of the Lighthouse Service in 1939 and remained onsite until about 1968. During the Coast Guard's occupancy, Building no. 5 was used as a utility building; Building no. 6 was used as barracks and galley; Building no. 7 was used as an administration building; Building no. 8 was used as an industrial supply warehouse; and the vaults were used to store oil and supplies. The Site was subsequently occupied by the New York Harbor Pilot's Association until 1982, when New York City purchased the Site, which has remained vacant to date. It is noted that two residential homes, two and three stories in height, were also present in the western portion of the Site, north of the existing U.S.P.S. office. The buildings were constructed as early as 1917 and demolished between 1984 and 1991.

2.2 Previous Investigations

Several reports regarding previous environmental investigations conducted at the Site were reviewed for this Remedial Investigation Report and are outlined in the following sections.

Phase I ESA conducted by Sandstone Environmental Associates, Inc., dated October 8, 1999

The Phase I ESA report prepared by Sandstone dated October 8, 1999, did not identify any recognized environmental conditions (RECs). However, several areas of concern (AOCs) were discussed in the Sandstone Phase I ESA and are as follows:

- Asbestos containing materials (ACM) was confirmed in an asbestos survey, conducted by TRC Environmental Corp. (TRC), in various Site buildings on thermal system insulation, ceiling and floor tiles, and wall panels. The TRC report recommended the removal and disposal of ACM according to applicable regulations.

- Lead based paint (LBP) was confirmed in various buildings, as part of the TRC report which recommended the removal of disposal of LBP surfaces during renovation.

- Standing water was noted in the basement of Building No. 7. Although no odors or staining was noted, the water may contain ACM since it probably flowed through the building.

- Fluorescent light ballasts, potentially containing PCBs were noted throughout the buildings and in the electric motors of the elevators in Building Nos. 8 and 10.

- The Sandstone Phase I ESA report recommended soil sampling if odors, discoloration or suspicious subsurface materials were encountered during any soil excavation, based on historic Site use

Phase II ESA conducted by Roux Associates, dated December 18, 2007

Roux Associates conducted a Phase II ESA in order to address potential environmental concerns (or AOCs) identified in the Sandstone Phase I ESA. The findings of the Phase II ESA are summarized below:

- During an onsite survey, ACM and LBP were found to be pervasive throughout Building Nos. 5, 6, 7, and 8.

- Soil borings, designated as SB-1, and SB-3 through SB-8, were installed. Concentrations of several VOCs (acetone, carbon disulfide, chloromethane, methylene chloride, and toluene) were detected in the soil samples. Only one VOC, acetone (67ug/kg), exceeded the UUSCO. Eleven semivolatile organic compounds (SVOC) were detected, with no SVOC exceeding its respective SCO value. Nine metals were detected in the soil samples, with six metals in concentrations above their respective UUSCOs, including chromium (52 mg/kg), copper (100 mg/kg), lead (330 mg/kg), mercury (2.7 mg/kg), nickel (650 mg/kg), and zinc (130 mg/kg). Of these metals, mercury and nickel also exceeded RRSCOs. No pesticides were detected.

- Groundwater samples were collected at locations SB-1 and SB-4 through SB-8 to be representative of hydraulically upgradient and downgradient groundwater quality. Two VOCs, methylene chloride and trichloroethene, were detected in the groundwater samples, one of which, methylene chloride (5.2ug/L), exceeded its GQSs. f Methylene chloride is a common laboratory artifact. No SVOCs were detected in groundwater samples collected at the Site, with the exception of bis(2-ethylhexyl)phthalate. Several metals were detected in the unfiltered groundwater samples in concentrations above their respective GQSs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. One dissolved metal, nickel (110 ug/L) exceeded its respective GQS. The results indicate that the detections in the unfiltered samples are related to metals within or adsorbed to the lattice of fine suspended minerals, rather than being present as a dissolved phase. No PCBs or pesticides were detected in groundwater samples collected at the Site.

Phase I ESA conducted by Roux Associates, dated January 31, 2013

Roux Associates conducted a Phase I ESA on behalf of 5 Bay St LLC in order to assess and identify environmental concerns at the Site. The findings of this Phase I ESA are summarized below:

- Information suggests that the Site is most likely underlain by historical urban fill material from an unknown origin.
- According to a previous ACM and LBP surveys, ACM and LBP were pervasive throughout Building Nos. 5, 6, 7, and 8.

An abatement plan is required prior to renovation of the buildings.

2.3 Site Inspection

A Site inspection was performed for the 2013 Roux Associates Phase I ESA. At the time of the Site reconnaissance, the Site buildings were vacant and were deemed unsafe to enter. Entry to the buildings was limited to the foyers of each building and one or two adjacent rooms. The ceilings and walls were in poor condition and were crumbling. Cracks and missing bricks were noted on the exterior of the buildings. The doors to the vaults were open.

A natural gas connection was noted along Borough Plaza and Bay Street. Based on previous reports, wastewater from the Site buildings would be directed to the municipal sewer. No tank fill or vent lines were noted. The majority of the Site is vegetated; no stressed vegetation or staining was observed during the Site reconnaissance.

2.4 Areas of Concern

The AOCs identified for this Site include:

1. Historic fill: Historic fill, of an unknown origin, was identified in shallow soil near the historic buildings, in the eastern portion of the Site.
2. Historic Site use: The historic operation of the property as the headquarters of the United States Lighthouse Service, and subsequent Coast Guard operations.

The Roux Associates 2013 Phase I ESA Report is presented in Appendix A, and the 2007 Phase II ESA is presented in Appendix B.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Sin Senh of Roux Associates, Inc.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Roux Associates, Inc., on behalf of 5 Bay Street, LLC., performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed seven soil borings, six of which were converted to temporary monitoring wells, and collected seven soil samples and six groundwater samples for chemical analysis, as part of the scope of work of the 2007 Roux Associates Phase II ESA.
3. Installed four soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed two temporary groundwater monitoring wells, and utilized an existing groundwater monitoring well throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
5. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was conducted as part of the 2007 Phase II ESA conducted by Roux Associates. The geophysical investigation, consisting of an electromagnetic (EM) and ground penetrating radar (GPR) survey, was performed to evaluate the potential presence of remnant heating oil storage tanks or other subsurface structures associates with the buildings and two former residential dwellings that fronted Bay Street. The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site. The geophysical survey results did not suggest the presence of storage tanks that would impede future excavation/construction activities planned for the Site, or when viewed in conjunction with soil and groundwater sample results represent potential sources of contamination.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of 24 soil borings were installed at the locations shown on Figure 2. The borings were installed for a variety of purposes, as detailed below:

- 7 soil borings installed as part of Roux Associates' Phase II ESA investigation in 2007;

- 4 soil borings installed as part of this Remedial Investigation and for *in situ* soil characterization purposes; and
- 13 soil borings installed exclusively for *in situ* soil characterization purposes. Please note that data from the in situ borings are not included in this RIR and will be summarized in the Remedial Action Work Plan.

Four soil borings were installed to a depth of two feet below the proposed development foundations (ranging from a depth of 24 to 32 feet), during this Remedial Investigation. Where possible, all samples collected from the 0 to 5 foot interval were collected using hand tools (i.e., air knife, posthole digger, vacuum unit, hand auger, etc.) to verify that no underground utilities/obstructions were present at the boring location.

For soil boring installation, soil samples were field screened for VOCs using a photoionization detector (PID). All soils were visually inspected for evidence of impacts (e.g., odors, staining, and visible free product) and the lithology was recorded according to the Unified Soils Classification System (USCS). Geologic logs completed for each boring are provided in Appendix C.

The Sonic Rotary drilling method was utilized at the Site during this Remedial Investigation and involved the advancement of a four-inch core barrel into an undisturbed formation using downward pressure and sonic vibrations. A larger diameter casing is advanced around the core barrel in order to prevent borehole collapse during the extraction of the core barrel. The sample (generally collected in 5-foot intervals) is extruded from the core barrel and collected in polyethylene bags. Upon sample collection, the core barrel is returned to the borehole and advanced to the next desired depth interval. Due to the nature and equipment used in this drilling, soil samples are collected in a continuous manner from the beginning of boring to the target depth. Soils were separated into two-foot sections, field screened, and observed according to the soil sampling procedures discussed above.

Boring logs were prepared by a geologist and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

A total of three groundwater samples were collected from two soil boring locations converted into temporary monitoring wells and one existing monitoring well, and submitted for laboratory analysis.

Two of the soil boring locations were converted to temporary monitoring wells following completion of the boring. Temporary wells were constructed using 1-inch diameter Polyvinyl Chloride (PVC) piping. The bottom ten feet of the temporary monitoring wells were constructed of 0.20 inch slotted screen PVC. The screened section of PVC was installed to straddle the water table, with a minimum of one foot of screen left above the water table, in order to ensure that any potential free product floating on the water table was not restricted from entering the monitoring well observation point. One existing well in the northeastern portion of the Site was located and determined to be suitable for sampling. Submersible pumps were used to redevelop the well to remove any fine-grained material in the vicinity of the well screen and to promote hydraulic connection with the surrounding formation. The well was pumped long enough to ensure that recharge was occurring, and there was a viable water column for samples to be collected from.

Monitoring well locations are shown in Figure 2.

Survey

During the Remedial Investigation, all soil borings and soil vapor sapling point locations were measured from fixed points in the field. Additionally, GPS coordinates were recorded for all boring locations, using a handheld GPS unit.

Water Level Measurement

All monitoring wells were gauged with an interface probe on June 15, 2015. Depth to groundwater on this date ranged from 29 to 33 ft bls.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Eight soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 5. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Samples were collected at shallow intervals (top two feet of boring locations) and at the two foot interval beneath the proposed bottom of excavation. Equipment was decontaminated between samples, and disposable equipment was replaced. Samples were delivered to the laboratory using proper chain of custody methods.

A quality assurance/quality control (QA/QC) sample was collected in the form of a blind duplicate sample, and in the form of a matrix spike and matrix spike duplicate sample. One duplicate, one matrix spike, and one matrix spike duplicate were collected.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 6 through 10. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Samples were collected using low flow sampling methods. At two locations (GW-9 and GW-10) a 1-inch temporary PVC well was installed to straddle the water table; at one location (GW-11) an existing two- inch PVC well was utilized. Equipment was decontaminated between samples, and disposable equipment was replaced. Samples were submitted to the laboratory using proper chain of custody methods. The temporary wells were removed following the collection of the sample.

A quality assurance/quality control (QA/QC) sample was collected in the form of a blind duplicate sample, and in the form of a matrix spike and matrix spike duplicate sample. One duplicate, one matrix spike, and one matrix spike duplicate were collected.

Soil Vapor Sampling

Five soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample

collection data is reported in Table 11. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Soil vapor samples were collected using a two hour exposure regulator into lab-certified Summa Canisters. A soil vapor screen was installed in the two feet interval below the bottom of the proposed foundation slab, and Teflon-lined poly tubing was used to connect the soil vapor point to the surface. The soil vapor point was surrounded with sand, and then sealed from the intervals above using a Bentonite seal.

Prior to sampling, the integrity of the Bentonite seal was tested using helium as a tracer gas. The well point was enclosed in a container that was then flooded with helium. Following the verification of the tracer gas presence in the enclosure, the sampling chain was purged and tested for the presence of the tracer gas. Upon passing the test, the Summa Canisters were then connected to the soil vapor point to begin sample collection. Samples were submitted to the laboratory using proper chain of custody methods.

A quality assurance/quality control (QA/QC) sample was collected in the form of a blind duplicate sample. The duplicate sample was collected simultaneously with the soil vapor sample using a three- way valve. One duplicate sample was collected.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	**Description**
Quality Assurance Officer	The chemical analytical quality assurance is directed by Jessica Collins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Alpha Analytical Laboratory of Westborough, Massachusetts.
Chemical Analytical Methods	<u>Soil analytical methods</u>: • TAL Metals by EPA Method 6010C (rev. 2007); • 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); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • 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); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 11. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site, from the surface down, consists of zero to six feet of historic fill underlain by ground moraine of Wisconsinan glacial drift. These unconsolidated deposits are mainly reddish-brown clayey till and consist of an unsorted mixture of clay, silt, sand, gravel, and sparse to abundant cobbles and boulders. Approximate depth to bedrock in the vicinity of the Site ranges from 50 to 100 ft bls, according to the EDR report utilized for the 2013 Phase I ESA conducted by Roux Associates, Inc. The bedrock units are the Manhattan Schist, the Staten Island Serpentine, the Newark Supergroup, and the Palisade Diabase. The Site is located in the vicinity of a geologic contact between the Staten Island Serpentine and the Manhattan Schist.

Hydrogeology

The observed average depth to groundwater using the 2015 data is approximately 30 ft bls and the range in depth is 29 to 33 ft bls. During the 2007 Phase II, groundwater was observed to have a range in depth of 8 to 25 ft bls. Groundwater flow is inferred to flow from west to east towards the bay.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 through 5. Plate 1 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Track 2 Restricted Residential Soil Cleanup Objectives (RRSCOs).

A total of eight soil samples were collected for laboratory analysis from four soil borings located at the Site.

The shallow and deep (sub-slab) soil samples did not contain any exceedances of UUSCOs for VOCs and SVOCs. The only exceedance of UUSCOs in the deep soil samples was for nickel, which ranges from 41 to 100 milligrams per kilogram (mg/kg) throughout the Site, and chromium, detected at 47 mg/kg in the duplicate sample (SB-10 DUP). In three of the four shallow sampling locations (SB-10, SB-11, and SB-12) metals, including arsenic, copper, lead,

mercury, nickel, and zinc, were detected at concentrations exceeding the UUSCOs. One soil sample, SB-10/0-2') also exceeded RRSCOs for arsenic at 17 mg/kg.

All four shallow soil samples (SB-09, SB-10, SB-11 and SB-12) exceeded UUSCOs for multiple pesticides, including dieldrin (maximum detection of 155 micrograms per kilogram [µg/kg] in SB-12/0-2'), and 4,4'- DDE (maximum detection of 44.6 µg/kg in SB-10/0-2'). Three out of four shallow soil samples (SB-10, SB-11, and SB-12) exceeded UUSCOs for the pesticide 4,4'-DDT (maximum detection of 28.5 ug/kg in SB-10/0-2'). Additionally, there was one exceedance of the UUSCO for alpha-Chlordane, with a maximum concentration of 165 µg/kg at SB-11/0-2'.

The presence of metals and pesticides at shallow depths supports the field observations of a shallow layer of historic fill material throughout the Site.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 6 through 10. Exceedances of applicable groundwater standards are shown.

Plate 2 shows the location and posts the values for groundwater that exceed the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Three groundwater samples were collected from across the Site (GW-9, GW-10, and GW-11). Analytical results showed the presence of the VOC chloroform at a level exceeding AWQSGVs (29 micrograms per liter [µg/L]) at one location (GW-9), and a range of VOCs typically associated with petroleum contamination (benzene at 17 µg/L , ethylbenzene at 5.4 µg/L, toluene at 46 µg/L, and total xylenes at 8 µg/L) exceeding AWQSGVs at GW-10. However, due to the fact that no staining, odors, elevated PID readings, or VOC analytical results were encountered in the onsite soil samples, it can be inferred that the source of the groundwater contamination in GW-10 is coming from an off-site, hydraulically up-gradient source.

Numerous metals were detected in all groundwater samples at concentrations exceeding AWQSGVs. However, the majority of these exceedances are not indicative of groundwater quality at the Site, but rather reflect the presence of sediment suspended within the groundwater sample. Once samples were laboratory filtered, only manganese and sodium were detected above AWQSGVs in two locations (GW-10 and GW-11). The presence of these metals is likely

due to the close proximity of the Site to the Upper New York Bay, and associated salt-water intrusion.

The only pesticide that was detected in groundwater at a level exceeding AWQSGVs was dieldrin, detected at 0.012 µg/L in GW-11.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 11.

Plate 3 shows the location and posts the values for soil vapor samples with detected concentrations.

Five soil vapor samples were collected from the two foot interval beneath the bottom of the proposed foundation slab, and analyzed for VOCs using method TO-15. Low concentrations of multiple VOCs were detected in all five soil vapor samples.

Regulatory guidance on soil vapor and indoor air quality is presented in Matrix 1 and Matrix 2 from the New York State Department of Health (NYSDOH) Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Matrix 1 addresses trichloroethene (TCE), carbon tetrachloride, and vinyl chloride, and Matrix 2 addresses 1,1 dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA). The matrices establish the conditions that require a response (i.e., monitoring, mitigation, or source identification) based on an evaluation of indoor air concentrations and sub-slab vapor concentrations. While the matrices are designed for evaluation of sub-slab and indoor samples and not for pre-development soil vapor sampling, detections of TCE can be compared to Matrix 1 and PCE and cis-1,2-DCE to Matrix 2. TCE was detected in soil vapor sample SV-2 at a concentration of 434 µg/m3. PCE was detected two soil vapor samples at concentrations ranging from 7.32 µg/m3 in SV-5 to 56.4 µg/m3 in SV-3. Cis-1,2-DCE was detected in SV-2 at a concentration of 65.8 µg/m3. Carbon tetrachloride, 1,1-DCE, 1,1,1-TCA and vinyl chloride were not detected in any soil vapor samples during this RI.

The mitigate action level for Matrix 1 (TCE) apply for sub-slab vapor concentrations above 250 $\mu g/m^3$. Based on the detected soil vapor concentrations, remedial actions will be necessary.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this Site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Semivolatile Organic Compounds in Soil
3. Summary of Metals in Soil
4. Summary of Polychlorinated Biphenyls in Soil
5. Summary of Pesticides in Soil
6. Summary of Volatile Organic Compounds in Groundwater
7. Summary of Semivolatile Organic Compounds in Groundwater
8. Summary of Metals in Groundwater
9. Summary of Polychlorinated Biphenyls in Groundwater
10. Summary of Pesticides in Groundwater
11. Summary of Volatile Organic Compounds in Soil Vapor

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
1,1,1,2-Tetrachloroethane	--	--		NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	680	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2,2-Tetrachloroethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2-Trichloroethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethane	270	26000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethene	330	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloropropene	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2,4,5-Tetramethylbenzene	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	3600	52000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,2-Dibromoethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichlorobenzene	1100	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloroethane	20	3100		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloroethene (total)	--	--		NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3,5-Trimethylbenzene	8400	52000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,3-Dichlorobenzene	2400	49000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3-Dichloropropane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3-Dichloropropene	--	--		NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	1800	13000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,4-Diethylbenzene	--	--		NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	100	13000		560 U	550 U	550 U	590 U	560 U	560 U	560 U
2,2-Dichloropropane	--	--		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	120	100000		11 U	11 U	11 U	12 U	11 U	11 U	11 U
2-Chloroethyl vinyl ether	--	--		11 U	11 U	11 U	12 U	11 U	1100 U	1100 U
2-Hexanone	--	--		11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Ethyltoluene	--	--		NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Acetone	50	100000		**67**	44	40	44	38	42 J	29 J

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
Acrolein	--	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
Acrylonitrile	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Benzene	60	4800		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Bromobenzene	--	--		NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	--	--		NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromoform	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromomethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon disulfide	--	--		2.7 J	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon tetrachloride	760	2400		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chlorobenzene	1100	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroform	370	49000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloromethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	2 J	3 J
cis-1,2-Dichloroethene	250	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
cis-1,3-Dichloropropene	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Cyclohexane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dibromochloromethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dibromochloropropane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dibromomethane	--	--		NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Diethyl Ether	--	--		NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1000	41000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Freon 113	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Hexachlorobutadiene	--	--		NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	--	--		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
m+p-Xylene	--	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	11 U	11 U
Methyl Acetate	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylcyclohexane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylene chloride	50	100000		22 B	14 B	15 B	17 B	27 B	22 B	21 B
MTBE	930	100000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
Naphthalene	12000	100000		NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	12000	100000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
n-Propylbenzene	3900	100000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
o-Chlorotoluene	--	--		NA	NA	NA	NA	NA	NA	NA
o-Xylene	--	--		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
p-Chlorotoluene	--	--		NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	--	--		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
sec-Butylbenzene	11000	100000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Styrene	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
t-Butyl Alcohol	--	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
tert-Butylbenzene	5900	100000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Tetrachloroethene	1300	19000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Toluene	700	100000		1.1 U	1.1 U	2	3.9	2.7	4.1 J	5.6 U
trans-1,2-Dichloroethene	190	100000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
trans-1,3-Dichloropropene	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
trans-1,4-Dichloro-2-butene	--	--		NA	NA	NA	NA	NA	NA	NA
Trichloroethene	470	21000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Trichlorofluoromethane	--	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Vinyl acetate	--	--		NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	20	900		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Xylenes (total)	260	100000		NA	NA	NA	NA	NA	NA	NA

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
1,1,1,2-Tetrachloroethane	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,1,1-Trichloroethane	680	100000		0.70 J	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,1,2,2-Tetrachloroethane	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,1,2-Trichloroethane	--	--		1.6 U	2.0 U	1.6 U	1.6 U	1.6 U	1.7 U
1,1-Dichloroethane	270	26000		1.6 U	2.0 U	1.6 U	1.6 U	1.6 U	1.7 U
1,1-Dichloroethene	330	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,1-Dichloropropene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,2,3-Trichlorobenzene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,2,3-Trichloropropane	--	--		10 U	13 U	11 U	10 U	10 U	12 U
1,2,4,5-Tetramethylbenzene	--	--		4.2 U	5.2 U	4.3 U	4.2 U	4.1 U	4.6 U
1,2,4-Trichlorobenzene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,2,4-Trimethylbenzene	3600	52000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,2-Dibromoethane	--	--		4.2 U	5.2 U	4.3 U	4.2 U	4.1 U	4.6 U
1,2-Dichlorobenzene	1100	100000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,2-Dichloroethane	20	3100		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,2-Dichloroethene (total)	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,2-Dichloropropane	--	--		3.6 U	4.6 U	3.7 U	3.7 U	3.6 U	4.0 U
1,3,5-Trimethylbenzene	8400	52000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,3-Dichlorobenzene	2400	49000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,3-Dichloropropane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,3-Dichloropropene	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
1,4-Dichlorobenzene	1800	13000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
1,4-Diethylbenzene	--	--		4.2 U	5.2 U	4.3 U	4.2 U	4.1 U	4.6 U
1,4-Dioxane	100	13000		100 U	130 U	110 U	100 U	100 U	120 U
2,2-Dichloropropane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
2-Butanone (MEK)	120	100000		10 U	13 U	3.2 J	9.8 J	3.5 J	12 U
2-Chloroethyl vinyl ether	--	--		NA	NA	NA	NA	NA	NA
2-Hexanone	--	--		10 U	13 U	11 U	10 U	10 U	12 U
4-Ethyltoluene	--	--		4.2 U	5.2 U	4.3 U	0.26 J	4.1 U	4.6 U
4-Methyl-2-pentanone (MIBK)	--	--		10 U	13 U	11 U	10 U	10 U	12 U
Acetone	50	100000		10 U	13 U	15	40	9.8 J	12 U

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
Acrolein	--	--		NA	NA	NA	NA	NA	NA
Acrylonitrile	--	--		10 U	13 U	11 U	10 U	10 U	12 U
Benzene	60	4800		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Bromobenzene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Bromochloromethane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Bromodichloromethane	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Bromoform	--	--		4.2 U	5.2 U	4.3 U	4.2 U	4.1 U	4.6 U
Bromomethane	--	--		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
Carbon disulfide	--	--		10 U	13 U	11 U	10 U	10 U	12 U
Carbon tetrachloride	760	2400		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Chlorobenzene	1100	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Chloroethane	--	--		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
Chloroform	370	49000		1.6 U	2.0 U	1.6 U	1.6 U	1.6 U	1.7 U
Chloromethane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
cis-1,2-Dichloroethene	250	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
cis-1,3-Dichloropropene	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Cyclohexane	--	--		NA	NA	NA	NA	NA	NA
Dibromochloromethane	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Dibromochloropropane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Dibromomethane	--	--		10 U	13 U	11 U	10 U	10 U	12 U
Dichlorodifluoromethane	--	--		10 U	13 U	11 U	10 U	10 U	12 U
Diethyl Ether	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Ethylbenzene	1000	41000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Freon 113	--	--		NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Isopropylbenzene	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
m+p-Xylene	--	--		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
Methyl Acetate	--	--		NA	NA	NA	NA	NA	NA
Methylcyclohexane	--	--		NA	NA	NA	NA	NA	NA
Methylene chloride	50	100000		10 U	13 U	11 U	10 U	10 U	12 U
MTBE	930	100000		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
Naphthalene	12000	100000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
n-Butylbenzene	12000	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
n-Propylbenzene	3900	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
o-Chlorotoluene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
o-Xylene	--	--		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
p-Chlorotoluene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
p-Isopropyltoluene	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
sec-Butylbenzene	11000	100000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Styrene	--	--		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
t-Butyl Alcohol	--	--		NA	NA	NA	NA	NA	NA
tert-Butylbenzene	5900	100000		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Tetrachloroethene	1300	19000		0.43 J	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Toluene	700	100000		1.6 U	2.0 U	1.6 U	0.85 J	0.36 J	1.7 U
trans-1,2-Dichloroethene	190	100000		1.6 U	2.0 U	1.6 U	1.6 U	1.6 U	1.7 U
trans-1,3-Dichloropropene	--	--		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
trans-1,4-Dichloro-2-butene	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Trichloroethene	470	21000		1.0 U	1.3 U	1.1 U	1.0 U	1.0 U	1.2 U
Trichlorofluoromethane	--	--		5.2 U	6.6 U	5.3 U	5.3 U	5.2 U	5.8 U
Vinyl acetate	--	--		10 U	13 U	11 U	10 U	2.2 J	12 U
Vinyl chloride	20	900		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U
Xylenes (total)	260	100000		2.1 U	2.6 U	2.1 U	2.1 U	2.1 U	2.3 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-12 6/11/2015 24 - 26	SB-12 6/9/2015 0 - 2	SB-9 6/15/2015 30 - 32
1,1,1,2-Tetrachloroethane	--	--		1.1 U	1.2 U	0.97 U
1,1,1-Trichloroethane	680	100000		1.1 U	1.2 U	0.97 U
1,1,2,2-Tetrachloroethane	--	--		1.1 U	1.2 U	0.97 U
1,1,2-Trichloroethane	--	--		1.6 U	1.8 U	1.4 U
1,1-Dichloroethane	270	26000		1.6 U	1.8 U	1.4 U
1,1-Dichloroethene	330	100000		1.1 U	1.2 U	0.97 U
1,1-Dichloropropene	--	--		5.5 U	6.2 U	4.8 U
1,2,3-Trichlorobenzene	--	--		5.5 U	6.2 U	4.8 U
1,2,3-Trichloropropane	--	--		11 U	12 U	9.7 U
1,2,4,5-Tetramethylbenzene	--	--		4.4 U	4.9 U	3.9 U
1,2,4-Trichlorobenzene	--	--		5.5 U	6.2 U	4.8 U
1,2,4-Trimethylbenzene	3600	52000		5.5 U	6.2 U	4.8 U
1,2-Dibromoethane	--	--		4.4 U	4.9 U	3.9 U
1,2-Dichlorobenzene	1100	100000		5.5 U	6.2 U	4.8 U
1,2-Dichloroethane	20	3100		1.1 U	1.2 U	0.97 U
1,2-Dichloroethene (total)	--	--		1.1 U	1.2 U	0.97 U
1,2-Dichloropropane	--	--		3.8 U	4.3 U	3.4 U
1,3,5-Trimethylbenzene	8400	52000		5.5 U	6.2 U	4.8 U
1,3-Dichlorobenzene	2400	49000		5.5 U	6.2 U	4.8 U
1,3-Dichloropropane	--	--		5.5 U	6.2 U	4.8 U
1,3-Dichloropropene	--	--		1.1 U	1.2 U	0.97 U
1,4-Dichlorobenzene	1800	13000		5.5 U	6.2 U	4.8 U
1,4-Diethylbenzene	--	--		4.4 U	4.9 U	3.9 U
1,4-Dioxane	100	13000		110 U	120 U	97 U
2,2-Dichloropropane	--	--		5.5 U	6.2 U	4.8 U
2-Butanone (MEK)	120	100000		2.9 J	12 U	4.3 J
2-Chloroethyl vinyl ether	--	--		NA	NA	NA
2-Hexanone	--	--		11 U	12 U	9.7 U
4-Ethyltoluene	--	--		4.4 U	4.9 U	0.32 J
4-Methyl-2-pentanone (MIBK)	--	--		11 U	12 U	9.7 U
Acetone	50	100000		4.6 J	12 U	7.8 J

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-12	SB-12	SB-9
			Sample Date:	6/11/2015	6/9/2015	6/15/2015
			Sample Depth (ft bls):	24 - 26	0 - 2	30 - 32
Acrolein	--	--		NA	NA	NA
Acrylonitrile	--	--		11 U	12 U	9.7 U
Benzene	60	4800		1.1 U	1.2 U	4.3
Bromobenzene	--	--		5.5 U	6.2 U	4.8 U
Bromochloromethane	--	--		5.5 U	6.2 U	4.8 U
Bromodichloromethane	--	--		1.1 U	1.2 U	0.97 U
Bromoform	--	--		4.4 U	4.9 U	3.9 U
Bromomethane	--	--		2.2 U	2.5 U	1.9 U
Carbon disulfide	--	--		11 U	12 U	9.7 U
Carbon tetrachloride	760	2400		1.1 U	1.2 U	0.97 U
Chlorobenzene	1100	100000		1.1 U	1.2 U	0.97 U
Chloroethane	--	--		2.2 U	2.5 U	1.9 U
Chloroform	370	49000		1.6 U	1.8 U	1.4 U
Chloromethane	--	--		5.5 U	6.2 U	3.6 J
cis-1,2-Dichloroethene	250	100000		1.1 U	1.2 U	0.97 U
cis-1,3-Dichloropropene	--	--		1.1 U	1.2 U	0.97 U
Cyclohexane	--	--		NA	NA	NA
Dibromochloromethane	--	--		1.1 U	1.2 U	0.97 U
Dibromochloropropane	--	--		5.5 U	6.2 U	4.8 U
Dibromomethane	--	--		11 U	12 U	9.7 U
Dichlorodifluoromethane	--	--		11 U	12 U	9.7 U
Diethyl Ether	--	--		5.5 U	6.2 U	4.8 U
Ethylbenzene	1000	41000		1.1 U	1.2 U	0.93 J
Freon 113	--	--		NA	NA	NA
Hexachlorobutadiene	--	--		5.5 U	6.2 U	4.8 U
Isopropylbenzene	--	--		1.1 U	1.2 U	0.97 U
m+p-Xylene	--	--		2.2 U	2.5 U	0.66 J
Methyl Acetate	--	--		NA	NA	NA
Methylcyclohexane	--	--		NA	NA	NA
Methylene chloride	50	100000		11 U	12 U	9.7 U
MTBE	930	100000		2.2 U	2.5 U	1.9 U

Table 1. Summary of Volatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-12 6/11/2015 24 - 26	SB-12 6/9/2015 0 - 2	SB-9 6/15/2015 30 - 32
Naphthalene	12000	100000		5.5 U	6.2 U	4.8 U
n-Butylbenzene	12000	100000		1.1 U	1.2 U	0.97 U
n-Propylbenzene	3900	100000		1.1 U	1.2 U	0.97 U
o-Chlorotoluene	--	--		5.5 U	6.2 U	4.8 U
o-Xylene	--	--		2.2 U	2.5 U	0.69 J
p-Chlorotoluene	--	--		5.5 U	6.2 U	4.8 U
p-Isopropyltoluene	--	--		1.1 U	1.2 U	0.97 U
sec-Butylbenzene	11000	100000		1.1 U	1.2 U	0.97 U
Styrene	--	--		2.2 U	2.5 U	1.9 U
t-Butyl Alcohol	--	--		NA	NA	NA
tert-Butylbenzene	5900	100000		5.5 U	6.2 U	4.8 U
Tetrachloroethene	1300	19000		1.1 U	1.2 U	0.97 U
Toluene	700	100000		1.6 U	1.8 U	25
trans-1,2-Dichloroethene	190	100000		1.6 U	1.8 U	1.4 U
trans-1,3-Dichloropropene	--	--		1.1 U	1.2 U	0.97 U
trans-1,4-Dichloro-2-butene	--	--		5.5 U	6.2 U	4.8 U
Trichloroethene	470	21000		1.1 U	1.2 U	0.97 U
Trichlorofluoromethane	--	--		5.5 U	6.2 U	4.8 U
Vinyl acetate	--	--		11 U	12 U	9.7 U
Vinyl chloride	20	900		2.2 U	2.5 U	1.9 U
Xylenes (total)	260	100000		2.2 U	2.5 U	1.4 J

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
1,1'-Biphenyl	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	--	--		NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,2-Dichlorobenzene	1100	100000		370 U	370 U	370 U	390 U	370 U	NA	NA
1,2-Diphenylhydrazine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,3-Dichlorobenzene	2400	49000		370 U	370 U	370 U	390 U	370 U	NA	NA
1,4-Dichlorobenzene	1800	13000		370 U	370 U	370 U	390 U	370 U	NA	NA
2,4,5-Trichlorophenol	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
2,4,6-Trichlorophenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dichlorophenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dimethylphenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dinitrophenol	--	--		940 U	920 U	920 U	980 U	940 U	940 U	940 U
2,4-Dinitrotoluene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,6-Dinitrotoluene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chloronaphthalene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chlorophenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Methylnaphthalene	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Methylphenol	330	100000		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitroaniline	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitrophenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3&4-Methylphenol	330	100000		NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3-Nitroaniline	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
4,6-Dinitro-2-methylphenol	--	--		940 U	920 U	920 U	980 U	940 U	940 U	940 U
4-Bromophenyl phenyl ether	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloro-3-methylphenol	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloroaniline	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Chlorophenyl phenyl ether	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Methylphenol	330	100000		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitroaniline	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitrophenol	--	--		940 U	370 U	370 U	390 U	370 U	370 U	370 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
Acenaphthene	20000	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Acenaphthylene	100000	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Acetophenone	--	--		NA	NA	NA	NA	NA	NA	NA
Aniline	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Anthracene	100000	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzidine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzo[a]anthracene	1000	1000		90 J	370 U	370 U	73 J	370 U	370 U	370 U
Benzo[a]pyrene	1000	1000		67 J	370 U	370 U	62 J	370 U	370 U	370 U
Benzo[b]fluoranthene	1000	1000		81 J	370 U	370 U	75 J	370 U	370 U	370 U
Benzo[g,h,i]perylene	100000	100000		82 J	370 U	370 U	41 J	370 U	370 U	370 U
Benzo[k]fluoranthene	800	3900		47 J	370 U	370 U	39 J	370 U	370 U	370 U
Benzoic Acid	--	--		370 U	920 U	920 U	980 U	940 U	940 U	940 U
Benzyl Alcohol	--	--		NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-chloroethyl) ether	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
bis(2-Chloroisopropyl)ether	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-ethylhexyl) phthalate	--	--		680	370 U	370 U	390 U	370 U	370 U	370 U
Butylbenzyl phthalate	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Carbazole	--	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
Chrysene	1000	3900		93 J	370 U	370 U	69 J	370 U	370 U	370 U
Dibenzo[a,h]anthracene	330	330		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dibenzofuran	7000	59000		370 U	370 U	370 U	390 U	NA	370 U	370 U
Diethyl phthalate	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dimethyl phthalate	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Di-n-butyl phthalate	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Di-n-octyl phthalate	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Fluoranthene	100000	100000		100 J	370 U	370 U	100 J	370 U	370 U	370 U
Fluorene	30000	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobenzene	330	1200		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobutadiene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorocyclopentadiene	--	--		370 U	370 U	370 U	390 U	370 U	940 U	940 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
Hexachloroethane	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Indeno[1,2,3-cd]pyrene	500	500		46 J	370 U	370 U	390 U	370 U	370 U	370 U
Isophorone	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Naphthalene	12000	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Nitrobenzene	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodi-n-propylamine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodimethylamine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodiphenylamine	--	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pentachlorophenol	800	6700		940 U	920 U	920 U	980 U	940 U	940 U	940 U
Phenanthrene	100000	100000		110 J	370 U	370 U	44 J	370 U	370 U	370 U
Phenol	330	100000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pyrene	100000	100000		190 J	370 U	370 U	120 J	370 U	370 U	370 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
1,1'-Biphenyl	--	--		440 U	480 U	440 U	450 U	400 U	430 U
1,2,4,5-Tetrachlorobenzene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
1,2,4-Trichlorobenzene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
1,2-Dichlorobenzene	1100	100000		190 U	210 U	190 U	200 U	180 U	190 U
1,2-Diphenylhydrazine	--	--		NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	2400	49000		190 U	210 U	190 U	200 U	180 U	190 U
1,4-Dichlorobenzene	1800	13000		190 U	210 U	190 U	200 U	180 U	190 U
2,4,5-Trichlorophenol	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2,4,6-Trichlorophenol	--	--		120 U	120 U	120 U	120 U	100 U	110 U
2,4-Dichlorophenol	--	--		170 U	190 U	180 U	180 U	160 U	170 U
2,4-Dimethylphenol	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2,4-Dinitrophenol	--	--		930 U	1000 U	930 U	940 U	840 U	920 U
2,4-Dinitrotoluene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2,6-Dinitrotoluene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2-Chloronaphthalene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2-Chlorophenol	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2-Methylnaphthalene	--	--		230 U	250 U	230 U	240 U	210 U	230 U
2-Methylphenol	330	100000		190 U	210 U	190 U	200 U	180 U	190 U
2-Nitroaniline	--	--		190 U	210 U	190 U	200 U	180 U	190 U
2-Nitrophenol	--	--		420 U	450 U	420 U	420 U	380 U	410 U
3&4-Methylphenol	330	100000		280 U	300 U	280 U	280 U	250 U	270 U
3,3'-Dichlorobenzidine	--	--		190 U	210 U	190 U	200 U	180 U	190 U
3-Nitroaniline	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4,6-Dinitro-2-methylphenol	--	--		500 U	540 U	510 U	510 U	460 U	500 U
4-Bromophenyl phenyl ether	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4-Chloro-3-methylphenol	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4-Chloroaniline	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4-Chlorophenyl phenyl ether	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4-Methylphenol	330	100000		NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	--		190 U	210 U	190 U	200 U	180 U	190 U
4-Nitrophenol	--	--		270 U	290 U	270 U	270 U	250 U	270 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
Acenaphthene	20000	100000		150 U	170 U	160 U	160 U	140 U	150 U
Acenaphthylene	100000	100000		150 U	170 U	160 U	160 U	140 U	150 U
Acetophenone	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Aniline	--	--		NA	NA	NA	NA	NA	NA
Anthracene	100000	100000		120 U	120 U	120 U	120 U	100 U	110 U
Benzidine	--	--		NA	NA	NA	NA	NA	NA
Benzo[a]anthracene	1000	1000		120 U	100 J	120 U	120 U	100 U	110 U
Benzo[a]pyrene	1000	1000		150 U	110 J	160 U	160 U	140 U	94 J
Benzo[b]fluoranthene	1000	1000		120 U	160	120 U	120 U	100 U	160
Benzo[g,h,i]perylene	100000	100000		150 U	75 J	160 U	160 U	140 U	57 J
Benzo[k]fluoranthene	800	3900		120 U	61 J	120 U	120 U	100 U	72 J
Benzoic Acid	--	--		630 U	230 J	630 U	630 U	570 U	620 U
Benzyl Alcohol	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Bis(2-chloroethoxy)methane	--	--		210 U	220 U	210 U	210 U	190 U	200 U
Bis(2-chloroethyl) ether	--	--		170 U	190 U	180 U	180 U	160 U	170 U
bis(2-Chloroisopropyl)ether	--	--		230 U	250 U	230 U	240 U	210 U	230 U
Bis(2-ethylhexyl) phthalate	--	--		190 U	58 J	1300	590	180 U	1700
Butylbenzyl phthalate	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Carbazole	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Chrysene	1000	3900		120 U	130	120 U	120 U	100 U	110 U
Dibenzo[a,h]anthracene	330	330		120 U	120 U	120 U	120 U	100 U	110 U
Dibenzofuran	7000	59000		190 U	210 U	190 U	200 U	180 U	190 U
Diethyl phthalate	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Dimethyl phthalate	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Di-n-butyl phthalate	--	--		190 U	210 U	190 U	200 U	180 U	200
Di-n-octyl phthalate	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Fluoranthene	100000	100000		120 U	240	120 U	120 U	100 U	120
Fluorene	30000	100000		190 U	210 U	190 U	200 U	180 U	190 U
Hexachlorobenzene	330	1200		120 U	120 U	120 U	120 U	100 U	110 U
Hexachlorobutadiene	--	--		190 U	210 U	190 U	200 U	180 U	190 U
Hexachlorocyclopentadiene	--	--		550 U	600 U	560 U	560 U	500 U	540 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
Hexachloroethane	--	--		150 U	170 U	160 U	160 U	140 U	150 U
Indeno[1,2,3-cd]pyrene	500	500		150 U	83 J	160 U	160 U	140 U	70 J
Isophorone	--	--		170 U	190 U	180 U	180 U	160 U	170 U
Naphthalene	12000	100000		190 U	210 U	190 U	200 U	180 U	190 U
Nitrobenzene	--	--		170 U	190 U	180 U	180 U	160 U	170 U
n-Nitrosodi-n-propylamine	--	--		190 U	210 U	190 U	200 U	180 U	190 U
n-Nitrosodimethylamine	--	--		NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	--	--		150 U	170 U	160 U	160 U	140 U	150 U
Pentachlorophenol	800	6700		150 U	170 U	160 U	160 U	140 U	150 U
Phenanthrene	100000	100000		120 U	110 J	120 U	120 U	100 U	42 J
Phenol	330	100000		190 U	210 U	190 U	200 U	180 U	190 U
Pyrene	100000	100000		120 U	220	120 U	120 U	100 U	140

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-12 6/11/2015 24 - 26	SB-12 6/9/2015 0 - 2	SB-9 6/15/2015 30 - 32
1,1'-Biphenyl	--	--		400 U	470 U	460 U
1,2,4,5-Tetrachlorobenzene	--	--		180 U	200 U	200 U
1,2,4-Trichlorobenzene	--	--		180 U	200 U	200 U
1,2-Dichlorobenzene	1100	100000		180 U	200 U	200 U
1,2-Diphenylhydrazine	--	--		NA	NA	NA
1,3-Dichlorobenzene	2400	49000		180 U	200 U	200 U
1,4-Dichlorobenzene	1800	13000		180 U	200 U	200 U
2,4,5-Trichlorophenol	--	--		180 U	200 U	200 U
2,4,6-Trichlorophenol	--	--		100 U	120 U	120 U
2,4-Dichlorophenol	--	--		160 U	180 U	180 U
2,4-Dimethylphenol	--	--		180 U	200 U	200 U
2,4-Dinitrophenol	--	--		840 U	980 U	960 U
2,4-Dinitrotoluene	--	--		180 U	200 U	200 U
2,6-Dinitrotoluene	--	--		180 U	200 U	200 U
2-Chloronaphthalene	--	--		180 U	200 U	200 U
2-Chlorophenol	--	--		180 U	200 U	200 U
2-Methylnaphthalene	--	--		210 U	250 U	240 U
2-Methylphenol	330	100000		180 U	200 U	200 U
2-Nitroaniline	--	--		180 U	200 U	200 U
2-Nitrophenol	--	--		380 U	440 U	430 U
3&4-Methylphenol	330	100000		250 U	300 U	290 U
3,3'-Dichlorobenzidine	--	--		180 U	200 U	200 U
3-Nitroaniline	--	--		180 U	200 U	200 U
4,6-Dinitro-2-methylphenol	--	--		460 U	530 U	520 U
4-Bromophenyl phenyl ether	--	--		180 U	200 U	200 U
4-Chloro-3-methylphenol	--	--		180 U	200 U	200 U
4-Chloroaniline	--	--		180 U	200 U	200 U
4-Chlorophenyl phenyl ether	--	--		180 U	200 U	200 U
4-Methylphenol	330	100000		NA	NA	NA
4-Nitroaniline	--	--		180 U	200 U	200 U
4-Nitrophenol	--	--		250 U	290 U	280 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-12	SB-12	SB-9
			Sample Date:	6/11/2015	6/9/2015	6/15/2015
			Sample Depth (ft bls):	24 - 26	0 - 2	30 - 32
Acenaphthene	20000	100000		140 U	160 U	160 U
Acenaphthylene	100000	100000		140 U	160 U	160 U
Acetophenone	--	--		180 U	200 U	200 U
Aniline	--	--		NA	NA	NA
Anthracene	100000	100000		100 U	35 J	120 U
Benzidine	--	--		NA	NA	NA
Benzo[a]anthracene	1000	1000		100 U	110 J	120 U
Benzo[a]pyrene	1000	1000		140 U	96 J	160 U
Benzo[b]fluoranthene	1000	1000		100 U	120	120 U
Benzo[g,h,i]perylene	100000	100000		140 U	63 J	160 U
Benzo[k]fluoranthene	800	3900		100 U	49 J	120 U
Benzoic Acid	--	--		570 U	660 U	650 U
Benzyl Alcohol	--	--		180 U	200 U	200 U
Bis(2-chloroethoxy)methane	--	--		190 U	220 U	220 U
Bis(2-chloroethyl) ether	--	--		160 U	180 U	180 U
bis(2-Chloroisopropyl)ether	--	--		210 U	250 U	240 U
Bis(2-ethylhexyl) phthalate	--	--		180 U	200 U	200 U
Butylbenzyl phthalate	--	--		180 U	200 U	200 U
Carbazole	--	--		180 U	200 U	200 U
Chrysene	1000	3900		100 U	110 J	120 U
Dibenzo[a,h]anthracene	330	330		100 U	120 U	120 U
Dibenzofuran	7000	59000		180 U	200 U	200 U
Diethyl phthalate	--	--		180 U	200 U	200 U
Dimethyl phthalate	--	--		180 U	200 U	200 U
Di-n-butyl phthalate	--	--		180 U	200 U	200 U
Di-n-octyl phthalate	--	--		180 U	200 U	200 U
Fluoranthene	100000	100000		100 U	230	120 U
Fluorene	30000	100000		180 U	200 U	200 U
Hexachlorobenzene	330	1200		100 U	120 U	120 U
Hexachlorobutadiene	--	--		180 U	200 U	200 U
Hexachlorocyclopentadiene	--	--		500 U	590 U	570 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-12	SB-12	SB-9
			Sample Date:	6/11/2015	6/9/2015	6/15/2015
			Sample Depth (ft bls):	24 - 26	0 - 2	30 - 32
Hexachloroethane	--	--		140 U	160 U	160 U
Indeno[1,2,3-cd]pyrene	500	500		140 U	64 J	160 U
Isophorone	--	--		160 U	180 U	180 U
Naphthalene	12000	100000		180 U	200 U	200 U
Nitrobenzene	--	--		160 U	180 U	180 U
n-Nitrosodi-n-propylamine	--	--		180 U	200 U	200 U
n-Nitrosodimethylamine	--	--		NA	NA	NA
n-Nitrosodiphenylamine	--	--		140 U	160 U	160 U
Pentachlorophenol	800	6700		140 U	160 U	160 U
Phenanthrene	100000	100000		100 U	150	120 U
Phenol	330	100000		180 U	200 U	200 U
Pyrene	100000	100000		100 U	200	120 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Metals in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
			Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
			Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
Aluminum	--	--		NA	NA	NA	NA	NA	NA	NA
Antimony	--	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	2.2 U	2.2 U
Arsenic	13	16		4.4	2.2	2.9	5.7	3	3.3	2.2 U
Barium	350	400		86	26	30	93	53	44	30
Beryllium	7.2	72		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Cadmium	2.5	4.3		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Calcium	--	--		NA	NA	NA	NA	NA	NA	NA
Chromium	30	180		**34**	**46**	30	25	21	**52**	11
Cobalt	--	--		NA	NA	NA	NA	NA	NA	NA
Copper	50	270		**54**	47	37	**100**	37	25	13
Iron	--	--		NA	NA	NA	NA	NA	NA	NA
Lead	63	400		**130**	5.5 U	5.9	**330**	29	5.6 U	5.6 U
Magnesium	--	--		NA	NA	NA	NA	NA	NA	NA
Manganese	1600	2000		NA	NA	NA	NA	NA	NA	NA
Mercury	0.18	0.81		**2.7**	0.092 U	0.092 U	**0.35**	0.094 U	0.094 U	0.094 U
Nickel	30	310		**140**	**300**	**260**	**170**	**160**	**650**	**120**
Potassium	--	--		NA	NA	NA	NA	NA	NA	NA
Selenium	3.9	180		2.3	2.1	2 U	2.3	2.2	2 U	2 U
Silver	2	180		1.7 U	1.6 U	1.6 U	1.8 U	1.7 U	1.7 U	1.7 U
Sodium	--	--		NA	NA	NA	NA	NA	NA	NA
Thallium	--	--		1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U
Vanadium	--	--		NA	NA	NA	NA	NA	NA	NA
Zinc	109	10000		**110**	30	21	**130**	43	32	18

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Metals in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-9	SB-10	SB-10	SB-10 DUP	SB-11
			Sample Date:	6/8/2015	6/15/2015	6/10/2015	6/15/2015	6/15/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	30 - 32	0 - 2	24 - 26	24 - 26	0 - 2
Aluminum	--	--		9300	5400	8900	9400	7600	6800
Antimony	--	--		4.6 U	4.7 U	1.1 J	4.7 U	4.6 U	6.6
Arsenic	13	16		5.3	1.6	**17**	6.3	2.6	10
Barium	350	400		28	67	73	49	54	52
Beryllium	7.2	72		0.37 J	0.55	0.42 J	0.47	0.55	0.41 J
Cadmium	2.5	4.3		0.92 U	0.94 U	0.23 J	0.93 U	0.93 U	0.26 J
Calcium	--	--		740	25000	15000	1200	1600	5600
Chromium	30	180		12	17	18	23	**47**	20
Cobalt	--	--		6.6	6.8	8.1	8.2	9.1	9.4
Copper	50	270		20	37	**70**	30	47	40
Iron	--	--		16000	16000	17000	20000	22000	14000
Lead	63	400		20	11	**230**	37	14	**170**
Magnesium	--	--		2300	6200	9400	4100	4900	4600
Manganese	1600	2000		210	640	390	400	450	300
Mercury	0.18	0.81		0.07 J	0.08 U	**0.35**	0.09	0.08 U	**0.28**
Nickel	30	310		19	**41**	**50**	**56**	**100**	**93**
Potassium	--	--		860	1500	500	950	2100	1000
Selenium	3.9	180		1.8 U	1.9 U	0.31 J	1.9 U	1.9 U	1.8 U
Silver	2	180		0.92 U	0.94 U	0.20 J	0.93 U	0.93 U	0.90 U
Sodium	--	--		80 J	160 J	58 J	200	400	97 J
Thallium	--	--		1.8 U	1.9 U	2.0 U	1.9 U	1.9 U	1.8 U
Vanadium	--	--		22	18	39	25	26	23
Zinc	109	10000		41	44	**110**	48	33	**120**

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Metals in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-11 6/11/2015 30 - 32	SB-12 6/9/2015 0 - 2	SB-12 6/11/2015 24 - 26
Aluminum	--	--		4000	9600	5400
Antimony	--	--		4.2 U	19	4.1 U
Arsenic	13	16		1	**16**	2.1
Barium	350	400		41	82	47
Beryllium	7.2	72		0.41 J	0.56	0.38 J
Cadmium	2.5	4.3		0.84 U	0.45 J	0.82 U
Calcium	--	--		1100	1400	3100
Chromium	30	180		14	16	22
Cobalt	--	--		6.7	7.6	8.1
Copper	50	270		32	**100**	31
Iron	--	--		15000	14000	17000
Lead	63	400		6.1	**190**	8.2
Magnesium	--	--		6800	3300	5800
Manganese	1600	2000		380	430	390
Mercury	0.18	0.81		0.07 U	**0.47**	0.07 U
Nickel	30	310		**61**	**80**	**99**
Potassium	--	--		1000	380	1300
Selenium	3.9	180		1.7 U	0.62 J	1.6 U
Silver	2	180		0.84 U	0.97 U	0.82 U
Sodium	--	--		98 J	69 J	190
Thallium	--	--		1.7 U	1.9 U	1.6 U
Vanadium	--	--		14	32	22
Zinc	109	10000		25	**110**	36

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Polychlorinated Biphenyls in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-09	SB-10	SB-10	SB-10 DUP	SB-11	SB-11
			Sample Date:	6/8/2015	6/10/2015	6/15/2015	6/15/2015	6/11/2015	6/9/2015
			Sample Depth (ft bls):	0 - 2	0 - 2	24 - 26	24 - 26	30 - 32	0 - 2
Aroclor-1016	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1221	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1232	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1242	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1248	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1254	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1260	--	--		38.4 U	18.5 J	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1262	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
Aroclor-1268	--	--		38.4 U	40.9 U	37.8 U	37.4 U	34.4 U	36.8 U
PCBS, TOTAL	100	1000		38.4 U	18.5 J	37.8 U	37.4 U	34.4 U	36.8 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

P - The RPD between the results for the two columns exceeds the method-specified criteria

I - The lower value for the two columns has been reported due to obvious interference

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Polychlorinated Biphenyls in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-12	SB-12	SB-9
			Sample Date:	6/11/2015	6/9/2015	6/15/2015
			Sample Depth (ft bls):	24 - 26	0 - 2	30 - 32
Aroclor-1016	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1221	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1232	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1242	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1248	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1254	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1260	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1262	--	--		34.9 U	40.8 U	39.4 U
Aroclor-1268	--	--		34.9 U	40.8 U	39.4 U
PCBS, TOTAL	100	1000		34.9 U	40.8 U	39.4 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

P - The RPD between the results for the two columns exceeds the method-specified criteria

I - The lower value for the two columns has been reported due to obvious interference

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Pesticides in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-3	SB-3	SB-3	SB-09	SB-9	SB-10	SB-10
			Sample Date:	07/05/07	07/05/07	07/05/07	6/8/2015	6/15/2015	6/10/2015	6/15/2015
			Sample Depth (ft bls):	0-0.5	2-2.5	12-14	0 - 2	30 - 32	0 - 2	24 - 26
4,4'-DDD	3.3	13000		3 U	2.8 U	2.7 U	1.78 U	1.89 U	1.96 U	1.81 U
4,4'-DDE	3.3	8900		3 U	2.8 U	2.7 U	**3.85**	1.89 U	**44.6**	1.81 U
4,4'-DDT	3.3	7900		3 U	2.8 U	2.7 U	1.98 J	3.55 U	**28.5**	3.40 U
Aldrin	5	97		6 U	5.7 U	5.5 U	1.78 U	1.89 U	1.96 U	1.81 U
alpha-BHC	20	480		6 U	5.7 U	5.5 U	0.744 U	0.789 U	0.815 U	0.755 U
alpha-Chlordane	94	4200		12U	11U	11U	2.23 U	2.36 U	2.44 U	2.26 U
beta-BHC	36	360		6U	5.7U	5.5U	1.78 U	1.89 U	1.96 U	1.81 U
Chlordane	--	--		NA	NA	NA	14.5 U	15.4 U	15.9 U	14.7 U
delta-BHC	40	100000		6 U	5.7 U	5.5 U	1.78 U	1.89 U	1.96 U	1.81 U
Dieldrin	5	200		6 U	5.7 U	5.5 U	**16.9**	1.18 U	**41.5**	1.13 U
Endosulfan I	2400	24000		6 U	5.7 U	5.5 U	1.78 U	1.89 U	1.96 U	1.81 U
Endosulfan II	2400	24000		6 U	5.7 U	5.5 U	1.78 U	1.89 U	1.96 U	1.81 U
Endosulfan sulfate	2400	24000		6 U	5.7 U	5.5 U	0.744 U	0.789 U	0.815 U	0.755 U
Endrin ketone	--	--		6 U	5.7 U	5.5 U	1.78 U	1.89 U	1.96 U	1.81 U
Endrin	14	11000		6 U	5.7 U	5.5 U	0.744 U	0.789 U	0.815 U	0.755 U
Endrin aldehyde	--	--		6 U	5.7 U	5.5 U	NA	NA	NA	NA
gamma-BHC (Lindane)	100	1300		6 U	5.7 U	5.5 U	0.744 U	0.789 U	0.815 U	0.755 U
gamma-Chlordane	--	--		NA	NA	NA	2.23 U	2.36 U	2.44 U	2.26 U
Heptachlor epoxide	--	--		6 U	5.7 U	5.5 U	3.35 U	3.55 U	3.66 U	3.40 U
Heptachlor	42	2100		6 U	5.7 U	5.5 U	0.893 U	0.946 U	0.978 U	0.906 U
Methoxychlor	--	--		6 U	5.7 U	5.5 U	3.35 U	3.55 U	3.66 U	3.40 U
Toxaphene	--	--		30 U	28 U	27 U	33.5 U	35.5 U	36.6 U	34.0 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
P - The RPD between the results for the two columns exceeds the method-specified criteria
I - The lower value for the two columns has been reported due to obvious interference
D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Pesticides in Soil, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	**Sample Designation:**	SB-10 DUP	SB-11	SB-11	SB-12	SB-12
			Sample Date:	6/15/2015	6/9/2015	6/11/2015	6/9/2015	6/11/2015
			Sample Depth (ft bls):	24 - 26	0 - 2	30 - 32	0 - 2	24 - 26
4,4'-DDD	3.3	13000		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
4,4'-DDE	3.3	8900		1.81 U	**12.8**	1.67 U	**8.44**	1.63 U
4,4'-DDT	3.3	7900		**3.96**	**14.3**	3.13 U	**5.98**	3.06 U
Aldrin	5	97		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
alpha-BHC	20	480		0.756 U	0.766 U	0.695 U	0.828 U	0.680 U
alpha-Chlordane	94	4200		2.27 U	**165 PID**	2.08 U	3.8	2.04 U
beta-BHC	36	360		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
Chlordane	--	--		14.7 U	1290	13.5 U	13.7 JPI	13.3 U
delta-BHC	40	100000		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
Dieldrin	5	200		1.13 U	**127**	1.04 U	**155**	1.02 U
Endosulfan I	2400	24000		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
Endosulfan II	2400	24000		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
Endosulfan sulfate	2400	24000		0.756 U	0.766 U	0.695 U	0.828 U	0.680 U
Endrin ketone	--	--		1.81 U	1.84 U	1.67 U	1.99 U	1.63 U
Endrin	14	11000		0.756 U	0.766 U	0.695 U	0.828 U	0.680 U
Endrin aldehyde	--	--		NA	NA	NA	NA	NA
gamma-BHC (Lindane)	100	1300		0.756 U	0.766 U	0.695 U	0.828 U	0.680 U
gamma-Chlordane	--	--		2.27 U	198 D	2.08 U	2.22 JPI	2.04 U
Heptachlor epoxide	--	--		3.40 U	25.5	3.13 U	3.73 U	3.06 U
Heptachlor	42	2100		0.907 U	7.44	0.834 U	0.994 U	0.817 U
Methoxychlor	--	--		3.40 U	3.44 U	3.13 U	3.73 U	3.06 U
Toxaphene	--	--		34.0 U	34.4 U	31.3 U	37.3 U	30.6 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No Standards available
P - The RPD between the results for the two columns exceeds the method-specified criteria
I - The lower value for the two columns has been reported due to obvious interference
D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
	--									
1,1,1,2-Tetrachloroethane	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,1,1-Trichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1		5 U	5 U	5 U	5 U	5 U	5 U	1.5 U	1.5 U
1,1-Dichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,1-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
1,1-Dichloropropene	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5		NA	NA	NA	NA	NA	NA	2.0 U	2.0 U
1,2,4-Trichlorobenzene	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
1,2-Dibromoethane	--		5 U	5 U	5 U	5 U	5 U	5 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
1,2-Dichloroethene (total)	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
1,2-Dichloropropane	1		5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,3-Dichloropropane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,3-Dichloropropene	0.4		NA	NA	NA	NA	NA	NA	0.50 U	0.50 U
1,4-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
1,4-Diethylbenzene	--		NA	NA	NA	NA	NA	NA	2.0 U	2.0 U
1,4-Dioxane	--		250 U	250 U	250 U	250 U	500 U	500 U	250 U	250 U
2,2-Dichloropropane	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	13
2-Chloroethyl vinyl ether	--		5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
4-Ethyltoluene	--		NA	NA	NA	NA	NA	NA	2.0 U	1.5 J
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Acetone	50		25 U	25 U	25 U	25 U	25 U	25 U	3.4 J	37
Acrolein	5		25 U	25 U	25 U	25 U	25 U	25 U	NA	NA

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
	--									
Acrylonitrile	5		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U	0.50 U	**17**
Bromobenzene	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Bromochloromethane	5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Bromodichloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U	3.2	0.50 U
Bromoform	50		5 U	5 U	5 U	5 U	5 U	5 U	2.0 U	2.0 U
Bromomethane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
Carbon disulfide	60		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Carbon tetrachloride	5		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
Chlorobenzene	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
Chloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
Chloroform	7		5 U	5 U	5 U	5 U	5 U	5 U	**29**	3.6
Chloromethane	--		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	1.0 J
cis-1,2-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	5		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
Cyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
Dibromochloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
Dibromochloropropane	--		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
Dibromomethane	5		NA	NA	NA	NA	NA	NA	5.0 U	5.0 U
Dichlorodifluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	5.0 U
Diethyl Ether	--		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	**5.4**
Freon 113	--		5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
Hexachlorobutadiene	0.5		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Isopropylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
m+p-Xylene	5		2 U	2 U	2 U	2 U	2 U	2 U	0.78 J	2.2 J
Methyl Acetate	--		5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
Methylcyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U	NA	NA
Methylene chloride	5		**5.2**	5 U	3.7 J	5 U	5 U	4.7 J	2.5 U	2.5 U
MTBE	10		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
Naphthalene	10		NA	NA	NA	NA	NA	NA	2.5 U	2.0 J
n-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.7

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
	--									
n-Propylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	3
o-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
o-Xylene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	**5.8**
p-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
p-Isopropyltoluene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
sec-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
Styrene	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
t-Butyl Alcohol	--		25 U	25 U	25 U	25 U	25 U	25 U	NA	NA
tert-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	2.5 U
Tetrachloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U	0.8	0.50 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U	1.0 J	**46**
trans-1,2-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U	5 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	--		NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
Trichloroethene	5		5 U	5 U	5 U	5 U	1 J	5 U	0.50 U	0.50 U
Trichlorofluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U
Vinyl acetate	--		NA	NA	NA	NA	NA	NA	5.0 U	5.0 U
Vinyl chloride	2		5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	1.0 U
Xylenes (total)	5		NA	NA	NA	NA	NA	NA	0.78 J	**8.0 J**

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015	TRIP BLANK 6/10/2015	TRIP BLANK 6/11/2015
	--						
1,1,1,2-Tetrachloroethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2,4-Trichlorobenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	--		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethene (total)	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	--		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dioxane	--		250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone (MEK)	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	--		NA	NA	NA	NA	NA
2-Hexanone	50		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Ethyltoluene	--		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methyl-2-pentanone (MIBK)	--		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50		13	6.6	5.0 U	5.0 U	1.7 J
Acrolein	5		NA	NA	NA	NA	NA

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015	TRIP BLANK 6/10/2015	TRIP BLANK 6/11/2015
	--						
Acrylonitrile	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	50		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	--		NA	NA	NA	NA	NA
Dibromochloromethane	50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloropropane	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromomethane	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Diethyl Ether	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon 113	--		NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m+p-Xylene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate	--		NA	NA	NA	NA	NA
Methylcyclohexane	--		NA	NA	NA	NA	NA
Methylene chloride	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
MTBE	10		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015	TRIP BLANK 6/10/2015	TRIP BLANK 6/11/2015
	--						
n-Propylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
t-Butyl Alcohol	--		NA	NA	NA	NA	NA
tert-Butylbenzene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	--		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	--		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	--		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	TRIP BLANK 6/12/2015	TRIP BLANK 6/8/2015	TRIP BLANK 6/9/2015
	--				
1,1,1,2-Tetrachloroethane	5		2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5		2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5		0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	1		1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5		2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5		0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	5		2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5		2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04		2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5		2.0 U	2.0 U	2.0 U
1,2,4-Trichlorobenzene	5		2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5		2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	--		2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6		0.50 U	0.50 U	0.50 U
1,2-Dichloroethene (total)	5		2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1		1.0 U	1.0 U	1.0 U
1,3,5-Trimethylbenzene	5		2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5		2.5 U	2.5 U	2.5 U
1,3-Dichloropropene	0.4		0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	3		2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	--		2.0 U	2.0 U	2.0 U
1,4-Dioxane	--		250 U	250 U	250 U
2,2-Dichloropropane	5		2.5 U	2.5 U	2.5 U
2-Butanone (MEK)	50		5.0 U	5.0 U	5.0 U
2-Chloroethyl vinyl ether	--		NA	NA	NA
2-Hexanone	50		5.0 U	5.0 U	5.0 U
4-Ethyltoluene	--		2.0 U	2.0 U	2.0 U
4-Methyl-2-pentanone (MIBK)	--		5.0 U	5.0 U	5.0 U
Acetone	50		5.0 U	5.0 U	5.0 U
Acrolein	5		NA	NA	NA

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	TRIP BLANK 6/12/2015	TRIP BLANK 6/8/2015	TRIP BLANK 6/9/2015
	--				
Acrylonitrile	5		5.0 U	5.0 U	5.0 U
Benzene	1		0.50 U	0.50 U	0.50 U
Bromobenzene	5		2.5 U	2.5 U	2.5 U
Bromochloromethane	5		2.5 U	2.5 U	2.5 U
Bromodichloromethane	50		0.50 U	0.50 U	0.50 U
Bromoform	50		2.0 U	2.0 U	2.0 U
Bromomethane	5		2.5 U	2.5 U	2.5 U
Carbon disulfide	60		5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5		0.50 U	0.50 U	0.50 U
Chlorobenzene	5		2.5 U	2.5 U	2.5 U
Chloroethane	5		2.5 U	2.5 U	2.5 U
Chloroform	7		2.5 U	2.5 U	2.5 U
Chloromethane	--		2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5		2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	5		0.50 U	0.50 U	0.50 U
Cyclohexane	--		NA	NA	NA
Dibromochloromethane	50		0.50 U	0.50 U	0.50 U
Dibromochloropropane	--		2.5 U	2.5 U	2.5 U
Dibromomethane	5		5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	5		5.0 U	5.0 U	5.0 U
Diethyl Ether	--		2.5 U	2.5 U	2.5 U
Ethylbenzene	5		2.5 U	2.5 U	2.5 U
Freon 113	--		NA	NA	NA
Hexachlorobutadiene	0.5		2.5 U	2.5 U	2.5 U
Isopropylbenzene	5		2.5 U	2.5 U	2.5 U
m+p-Xylene	5		2.5 U	2.5 U	2.5 U
Methyl Acetate	--		NA	NA	NA
Methylcyclohexane	--		NA	NA	NA
Methylene chloride	5		2.5 U	2.5 U	2.5 U
MTBE	10		2.5 U	2.5 U	2.5 U
Naphthalene	10		2.5 U	2.5 U	2.5 U
n-Butylbenzene	5		2.5 U	2.5 U	2.5 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	TRIP BLANK 6/12/2015	TRIP BLANK 6/8/2015	TRIP BLANK 6/9/2015
	--				
n-Propylbenzene	5		2.5 U	2.5 U	2.5 U
o-Chlorotoluene	--		2.5 U	2.5 U	2.5 U
o-Xylene	5		2.5 U	2.5 U	2.5 U
p-Chlorotoluene	--		2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5		2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5		2.5 U	2.5 U	2.5 U
Styrene	5		2.5 U	2.5 U	2.5 U
t-Butyl Alcohol	--		NA	NA	NA
tert-Butylbenzene	5		2.5 U	2.5 U	2.5 U
Tetrachloroethene	5		0.50 U	0.50 U	0.50 U
Toluene	5		2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5		2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	--		0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	--		2.5 U	2.5 U	2.5 U
Trichloroethene	5		0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	5		2.5 U	2.5 U	2.5 U
Vinyl acetate	--		5.0 U	5.0 U	5.0 U
Vinyl chloride	2		1.0 U	1.0 U	1.0 U
Xylenes (total)	5		2.5 U	2.5 U	2.5 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
1,1'-Biphenyl	--		NA	NA	NA	NA	NA	NA	2.0 U	2.0 U
1,2,4,5-Tetrachlorobenzene	--		NA	NA	NA	NA	NA	NA	10 U	10 U
1,2,4-Trichlorobenzene	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
1,2-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA	2.0 U	2.0 U
1,2-Diphenylhydrazine	--		14 U	7.1 U	10 U	11 U	11 U	10 U	NA	NA
1,3-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA	2.0 U	2.0 U
1,4-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA	2.0 U	2.0 U
2,4,5-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2,4-Dichlorophenol	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2,4-Dimethylphenol	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2,4-Dinitrophenol	10		34 U	18 U	25 U	28 U	27 U	26 U	20 U	20 U
2,4-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2,6-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2-Chloronaphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
2-Chlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
2-Methylnaphthalene	--		14 U	7.1 U	10 U	11 U	11 U	10 U	0.17 J	0.54
2-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	1.5 J
2-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
2-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	10 U	10 U
3&4-Methylphenol	--		NA	NA	NA	NA	NA	NA	5.0 U	5.0 U
3,3'-Dichlorobenzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
3-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	--		34 U	18 U	25 U	28 U	27 U	26 U	10 U	10 U
4-Bromophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
4-Chloroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
4-Chlorophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
4-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	NA	NA
4-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
4-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U	10 U	10 U
Acenaphthene	20		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
Acenaphthylene	20		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Acetophenone	--		NA	NA	NA	NA	NA	NA	5.0 U	5.0 U
Aniline	--		14 U	7.1 U	10 U	11 U	11 U	10 U	NA	NA
Anthracene	50		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U	NA	NA
Benzo[a]anthracene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzo[a]pyrene	0		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzo[b]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzo[g,h,i]perylene	--		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzo[k]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Benzoic Acid	--		34 U	18 U	25 U	28 U	27 U	26 U	50 U	50 U
Benzyl Alcohol	--		NA	NA	NA	NA	NA	NA	2.0 U	2.0 U
Bis(2-chloroethoxy)methane	5		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Bis(2-chloroethyl) ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
bis(2-Chloroisopropyl)ether	5		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
Bis(2-ethylhexyl) phthalate	5		3.7 J	7.1 U	10 U	11 U	11 U	10 U	2.4 J	3.7
Butylbenzyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Carbazole	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
Chrysene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Dibenzo[a,h]anthracene	--		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Dibenzofuran	--		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
Diethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Dimethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Di-n-butyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Di-n-octyl phthalate	--		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Fluoranthene	50		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.08 J
Fluorene	50		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U
Hexachlorobenzene	0.04		14 U	7.1 U	10 U	11 U	11 U	10 U	0.80 U	0.80 U
Hexachlorobutadiene	0.5		14 U	7.1 U	10 U	11 U	11 U	10 U	0.50 U	0.50 U
Hexachlorocyclopentadiene	5		14 U	7.1 U	10 U	11 U	11 U	10 U	20 U	20 U
Hexachloroethane	5		14 U	7.1 U	10 U	11 U	11 U	10 U	0.80 U	0.80 U
Indeno[1,2,3-cd]pyrene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.20 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015
Isophorone	50		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
Naphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U	0.31	1.1
Nitrobenzene	0.4		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
n-Nitrosodi-n-propylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	5.0 U
n-Nitrosodimethylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U	NA	NA
n-Nitrosodiphenylamine	50		14 U	7.1 U	10 U	11 U	11 U	10 U	2.0 U	2.0 U
Pentachlorophenol	1		34 U	18 U	25 U	28 U	27 U	26 U	0.80 U	0.80 U
Phenanthrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.09 J
Phenol	1		14 U	7.1 U	10 U	11 U	11 U	10 U	5.0 U	0.99 J
Pyrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U	0.20 U	0.06 J

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015
1,1'-Biphenyl	--		2.0 U	2.9 U	2.0 U
1,2,4,5-Tetrachlorobenzene	--		10 U	15 U	10 U
1,2,4-Trichlorobenzene	5		5.0 U	7.4 U	5.0 U
1,2-Dichlorobenzene	3		2.0 U	2.9 U	2.0 U
1,2-Diphenylhydrazine	--		NA	NA	NA
1,3-Dichlorobenzene	3		2.0 U	2.9 U	2.0 U
1,4-Dichlorobenzene	3		2.0 U	2.9 U	2.0 U
2,4,5-Trichlorophenol	--		5.0 U	7.4 U	5.0 U
2,4,6-Trichlorophenol	--		5.0 U	7.4 U	5.0 U
2,4-Dichlorophenol	5		5.0 U	7.4 U	5.0 U
2,4-Dimethylphenol	50		5.0 U	7.4 U	5.0 U
2,4-Dinitrophenol	10		20 U	29 U	20 U
2,4-Dinitrotoluene	5		5.0 U	7.4 U	5.0 U
2,6-Dinitrotoluene	5		5.0 U	7.4 U	5.0 U
2-Chloronaphthalene	10		0.20 U	0.29 U	0.20 U
2-Chlorophenol	--		2.0 U	2.9 U	2.0 U
2-Methylnaphthalene	--		0.24	0.29 U	0.20 U
2-Methylphenol	--		5.0 U	7.4 U	5.0 U
2-Nitroaniline	5		5.0 U	7.4 U	5.0 U
2-Nitrophenol	--		10 U	15 U	10 U
3&4-Methylphenol	--		5.0 U	7.4 U	5.0 U
3,3'-Dichlorobenzidine	5		5.0 U	7.4 U	5.0 U
3-Nitroaniline	5		5.0 U	7.4 U	5.0 U
4,6-Dinitro-2-methylphenol	--		10 U	15 U	10 U
4-Bromophenyl phenyl ether	--		2.0 U	2.9 U	2.0 U
4-Chloro-3-methylphenol	--		2.0 U	2.9 U	2.0 U
4-Chloroaniline	5		5.0 U	7.4 U	5.0 U
4-Chlorophenyl phenyl ether	--		2.0 U	2.9 U	2.0 U
4-Methylphenol	--		NA	NA	NA
4-Nitroaniline	5		5.0 U	7.4 U	5.0 U
4-Nitrophenol	--		10 U	15 U	10 U
Acenaphthene	20		0.20 U	0.29 U	0.20 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015
Acenaphthylene	20		0.20 U	0.29 U	0.20 U
Acetophenone	--		5.0 U	7.4 U	5.0 U
Aniline	--		NA	NA	NA
Anthracene	50		0.20 U	0.10 J	0.20 U
Benzidine	5		NA	NA	NA
Benzo[a]anthracene	0.002		0.20 U	**0.46**	0.20 U
Benzo[a]pyrene	0		0.20 U	**0.43**	0.20 U
Benzo[b]fluoranthene	0.002		0.20 U	**0.64**	0.20 U
Benzo[g,h,i]perylene	--		0.20 U	0.37	0.20 U
Benzo[k]fluoranthene	0.002		0.20 U	**0.27 J**	0.20 U
Benzoic Acid	--		50 U	74 U	50 U
Benzyl Alcohol	--		2.0 U	2.9 U	2.0 U
Bis(2-chloroethoxy)methane	5		5.0 U	7.4 U	5.0 U
Bis(2-chloroethyl) ether	--		2.0 U	2.9 U	2.0 U
bis(2-Chloroisopropyl)ether	5		2.0 U	2.9 U	2.0 U
Bis(2-ethylhexyl) phthalate	5		1.1 J	4.4 U	3.0 U
Butylbenzyl phthalate	50		5.0 U	7.4 U	5.0 U
Carbazole	--		2.0 U	2.9 U	2.0 U
Chrysene	0.002		0.20 U	**0.5**	0.20 U
Dibenzo[a,h]anthracene	--		0.20 U	0.11 J	0.20 U
Dibenzofuran	--		2.0 U	2.9 U	2.0 U
Diethyl phthalate	50		5.0 U	7.4 U	5.0 U
Dimethyl phthalate	50		5.0 U	7.4 U	5.0 U
Di-n-butyl phthalate	50		5.0 U	7.4 U	5.0 U
Di-n-octyl phthalate	--		5.0 U	7.4 U	5.0 U
Fluoranthene	50		0.20 U	0.88	0.20 U
Fluorene	50		0.20 U	0.29 U	0.20 U
Hexachlorobenzene	0.04		0.80 U	1.2 U	0.80 U
Hexachlorobutadiene	0.5		0.50 U	0.74 U	0.50 U
Hexachlorocyclopentadiene	5		20 U	29 U	20 U
Hexachloroethane	5		0.80 U	1.2 U	0.80 U
Indeno[1,2,3-cd]pyrene	0.002		0.20 U	**0.31**	0.20 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015
Isophorone	50		5.0 U	7.4 U	5.0 U
Naphthalene	10		0.12 J	0.29 U	0.07 J
Nitrobenzene	0.4		2.0 U	2.9 U	2.0 U
n-Nitrosodi-n-propylamine	--		5.0 U	7.4 U	5.0 U
n-Nitrosodimethylamine	--		NA	NA	NA
n-Nitrosodiphenylamine	50		2.0 U	2.9 U	2.0 U
Pentachlorophenol	1		0.80 U	1.2 U	0.80 U
Phenanthrene	50		0.20 U	0.41	0.20 U
Phenol	1		5.0 U	7.4 U	5.0 U
Pyrene	50		0.20 U	0.8	0.20 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 8. Summary of Metals in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07 Unfiltered	GW-1 07/05/07 Filtered	GW-4 07/06/07 Unfiltered	GW-4 07/06/07 Filtered	GW-5 07/06/07 Unfiltered	GW-5 07/06/07 Filtered	GW-6 07/06/07 Unfiltered	GW-6 07/06/07 Filtered
Aluminum	--		NA	NA	NA	NA	NA	NA	NA	NA
Antimony	3		12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Arsenic	25		**32**	7.5 U	**41**	7.5 U	7.5 U	7.5 U	**61**	7.5 U
Barium	1000		**1300**	230	**1800**	180	290	170	940	57
Beryllium	3		4 U	4 U	**4.7**	4 U	4 U	4 U	**5.3**	4 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Calcium	--		NA	NA	NA	NA	NA	NA	NA	NA
Chromium, Hexavalent	50		NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50		**360**	50 U	**270**	50 U	50 U	50 U	**280**	50 U
Cobalt	--		NA	NA	NA	NA	NA	NA	NA	NA
Copper	200		**270**	50 U	**610**	50 U	58	50 U	**590**	50 U
Cyanide	--		NA	NA	NA	NA	NA	NA	NA	NA
Iron	300		NA	NA	NA	NA	NA	NA	NA	NA
Lead	25		**160**	4 U	**130**	4 U	**45**	4 U	**190**	4 U
Magnesium	--		NA	NA	NA	NA	NA	NA	NA	NA
Manganese	300		NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel	100		**2900**	98	**3400**	**110**	**160**	50 U	**1700**	50 U
Potassium	--		NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10		40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
Silver	50		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Sodium	20000		NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	--		NA	NA	NA	NA	NA	NA	NA	NA
Zinc	2000		390	50 U	460	50 U	82	50 U	600	50 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 8. Summary of Metals in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-7 07/09/07 Unfiltered	GW-7 07/09/07 Filtered	GW-8 07/09/07 Unfiltered	GW-8 07/09/07 Filtered	GW-9 6/15/2015 Unfiltered	GW-9 6/15/2015 Filtered	GW-10 6/15/2015 Unfiltered	GW-10 6/15/2015 Filtered
Aluminum	--		NA	NA	NA	NA	25000	46	102000	12
Antimony	3		12 U	12 U	12 U	12 U	0.2 J	1.4 J	0.2 J	1.2 J
Arsenic	25		9.3	7.5 U	7.5 U	7.5 U	17	1.1	**56.8**	0.6
Barium	1000		290	76	140	80	497.7	22.1	**7398**	202.6
Beryllium	3		4 U	4 U	4 U	4 U	2	0.5 U	**12.2**	0.5 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	0.4	0.2 U	3.6	0.1 J
Calcium	--		NA	NA	NA	NA	30900	9370	189000	77500
Chromium, Hexavalent	50		NA	NA	NA	NA	NA	NA	NA	NA
Chromium	50		**59**	50 U	50 U	50 U	**130.2**	6	**873.6**	2.1
Cobalt	--		NA	NA	NA	NA	65	0.4 J	329.9	1.9
Copper	200		72	50 U	50 U	50 U	154.8	1.1	**1262**	1.2
Cyanide	--		NA	NA	NA	NA	NA	NA	NA	NA
Iron	300		NA	NA	NA	NA	**63600**	118	**223000**	31 J
Lead	25		21	4 U	6.8	4 U	**90.2**	0.3 J	**417.6**	1 U
Magnesium	--		NA	NA	NA	NA	46000	7030	500000	114000
Manganese	300		NA	NA	NA	NA	**1921**	22.8	**19110**	**1926**
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.09 J	0.2 U	0.53	0.2 U
Nickel	100		**520**	50 U	97	50 U	**595.2**	6.4	**7463**	40.6
Potassium	--		NA	NA	NA	NA	12200	3590	21300	7460
Selenium	10		40 U	40 U	40 U	40 U	**24**	5 U	**74**	2 J
Silver	50		20 U	20 U	20 U	20 U	0.2 J	0.4 U	1.2	0.4 U
Sodium	20000		NA	NA	NA	NA	**20900**	15900	**198000**	**200000**
Thallium	0.5		10 U	10 U	10 U	10 U	0.47 J	0.5 U	**1.3**	0.5 U
Vanadium	--		NA	NA	NA	NA	81.1	2.3 J	150.6	0.7 J
Zinc	2000		130	50 U	50 U	50 U	146.1	10 U	871.9	10 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 8. Summary of Metals in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-11 6/15/2015 Unfiltered	GW-11 6/15/2015 Filtered	GW-11 DUP 6/15/2015 Unfiltered	GW-11 DUP 6/15/2015 Filtered	FIELD BLANK 061515 6/15/2015
Aluminum	--		35400	6 J	117000	31	10 U
Antimony	3		0.4 J	0.6 J	0.4 J	1.2 J	2 U
Arsenic	25		15.9	0.47 J	**36.3**	0.4 J	0.5 U
Barium	1000		321.6	77.1	**2861**	90	0.1 J
Beryllium	3		2.4	0.5 U	**14.2**	0.5 U	0.5 U
Cadmium	5		0.4	0.2	3.4	0.2 U	0.2 U
Calcium	--		81400	73000	172000	83900	100 U
Chromium, Hexavalent	50		NA	NA	NA	NA	10 U
Chromium	50		49.6	5.3	**163.7**	3	1 U
Cobalt	--		31.4	0.2 J	177.9	0.1 J	0.5 U
Copper	200		89.4	10.4	**939.8**	1.3	1 U
Cyanide	--		NA	NA	NA	NA	4 J
Iron	300		**60200**	53	**164000**	45 J	50 U
Lead	25		**61.4**	1.7	**600.2**	1 U	1 U
Magnesium	--		127000	106000	247000	110000	70 U
Manganese	300		**2158**	1.4	**14240**	1.2	1 U
Mercury	0.7		0.14 J	0.2 U	0.64	0.2 U	0.2 U
Nickel	100		**219.1**	17	**2364**	6.4	0.5 U
Potassium	--		9380	6010	13200	5690	100 U
Selenium	10		**17**	3 J	**77**	1 J	5 U
Silver	50		0.4	0.4 U	2.7	0.4 U	0.4 U
Sodium	20000		**317000**	**308000**	**394000**	**300000**	22 J
Thallium	0.5		0.2	0.5 U	**0.8**	0.5 U	0.5 U
Vanadium	--		67.6	5 U	129.3	5 U	5 U
Zinc	2000		148.4	23	893.1	10 U	10 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015	GW-11 6/15/2015	GW-11 DUP 6/15/2015
Aroclor-1016	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1221	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1232	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1242	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1248	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1254	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1260	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1262	--		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U
Aroclor-1268	--		NA	NA	NA	NA	0.083 U	0.083 U	0.083 U	0.083 U
PCBS, TOTAL	0.09		0.27 U	0.26 U	0.26 U	0.25 U	0.083 U	0.083 U	0.083 U	0.083 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	FIELD BLANK 061515 6/15/2015
Aroclor-1016	--		0.083 U
Aroclor-1221	--		0.083 U
Aroclor-1232	--		0.083 U
Aroclor-1242	--		0.083 U
Aroclor-1248	--		0.083 U
Aroclor-1254	--		0.083 U
Aroclor-1260	--		0.083 U
Aroclor-1262	--		0.083 U
Aroclor-1268	--		0.083 U
PCBS, TOTAL	0.09		0.083 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 10. Summary of Pesticides in Groundwater, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07	GW-9 6/15/2015	GW-10 6/15/2015	GW-11 6/15/2015	GW-11 DUP 6/15/2015	FIELD BLANK 061515 6/15/2015
4,4'-DDD	0.3		0.027 U	0.026 U	0.026 U	0.025 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
4,4'-DDE	0.2		0.027 U	0.026 U	0.026 U	0.025 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
4,4'-DDT	0.2		0.027 U	0.026 U	0.026 U	0.025 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Aldrin	0		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
alpha-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
alpha-Chlordane	--		NA	NA	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
beta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Chlordane	0.05		0.11 U	0.1 U	0.1 U	0.1 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
delta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Dieldrin	0.004		0.054 U	0.052 U	0.052 U	0.05 U	0.040 U	0.040 U	**0.012 J**	**0.018 J**	0.040 U
Endosulfan I	--		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Endosulfan II	--		0.054 U	0.052 U	0.052 U	0.05 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Endosulfan sulfate	--		0.054 U	0.052 U	0.052 U	0.05 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Endrin ketone	--		0.054 U	0.052 U	0.052 U	0.05 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Endrin	0		0.054 U	0.052 U	0.052 U	0.05 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Endrin aldehyde	5		0.054 U	0.052 U	0.052 U	0.05 U	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	--		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
gamma-Chlordane	0		NA	NA	NA	NA	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Heptachlor epoxide	0.03		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Heptachlor	0.04		0.054 U	0.052 U	0.052 U	0.05 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Methoxychlor	35		0.054 U	0.052 U	0.052 U	0.05 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Toxaphene	0.06		0.27 U	0.26 U	0.26 U	0.25 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/m^3)	**Sample Designation:** / **Sample Date:**	SV-1 6/16/2015	SV-1 DUP 6/16/2015	SV-2 6/16/2015	SV-3 6/16/2015	SV-4 6/16/2015	SV-5 6/16/2015
1,1,1-Trichloroethane		18.2 UD	10.9 UD	45.2 UD	10.9 UD	10.9 UD	3.64 UD
1,1,2,2-Tetrachloroethane		22.9 UD	13.7 UD	56.9 UD	13.7 UD	13.7 UD	4.58 UD
1,1,2-Trichloroethane		18.2 UD	10.9 UD	45.2 UD	10.9 UD	10.9 UD	3.64 UD
1,1-Dichloroethane		13.5 UD	8.09 UD	33.5 UD	8.09 UD	8.09 UD	2.70 UD
1,1-Dichloroethene		13.2 UD	7.93 UD	32.8 UD	7.93 UD	7.93 UD	2.64 UD
1,2,4-Trichlorobenzene		24.7 UD	14.8 UD	61.5 UD	14.8 UD	14.8 UD	4.95 UD
1,2,4-Trimethylbenzene		16.4 UD	9.83 UD	40.7 UD	9.83 UD	9.83 UD	**4.38 D**
1,2-Dibromoethane		25.6 UD	15.4 UD	63.6 UD	15.4 UD	15.4 UD	5.13 UD
1,2-Dichlorobenzene		20.0 UD	12.0 UD	49.8 UD	12.0 UD	12.0 UD	4.01 UD
1,2-Dichloroethane		13.5 UD	8.09 UD	33.5 UD	8.09 UD	8.09 UD	2.70 UD
1,2-Dichloropropane		15.4 UD	9.24 UD	38.3 UD	9.24 UD	9.24 UD	3.08 UD
1,3,5-Trimethylbenzene		16.4 UD	9.83 UD	40.7 UD	9.83 UD	9.83 UD	3.28 UD
1,3-Butadiene		**14.8 D**	**12.8 D**	18.3 UD	4.42 UD	**49.1 D**	**8.80 D**
1,3-Dichlorobenzene		20.0 UD	12.0 UD	49.8 UD	12.0 UD	12.0 UD	4.01 UD
1,4-Dichlorobenzene		20.0 UD	12.0 UD	49.8 UD	12.0 UD	12.0 UD	4.01 UD
1,4-Dioxane		12.0 UD	7.21 UD	29.8 UD	7.21 UD	7.21 UD	2.40 UD
2-Butanone (MEK)		**3780 D**	**1960 D**	**9820 D**	**858 D**	**228 D**	**83.8 D**
2-Hexanone		**85.7 D**	**14.6 D**	**496 D**	**122 D**	**35.0 D**	**12.7 D**
4-Ethyltoluene		16.4 UD	9.83 UD	40.7 UD	9.83 UD	9.83 UD	3.28 UD
4-Methyl-2-pentanone (MIBK)		34.2 UD	20.5 UD	84.8 UD	20.5 UD	20.5 UD	6.84 UD
Acetone		**2110 D**	**1290 D**	**3680 D**	**5390 D**	**5080 D**	**2400 D**
Allyl Chloride		10.4 UD	6.26 UD	25.9 UD	6.26 UD	6.26 UD	2.09 UD
Benzene		**16.5 D**	**16.4 D**	26.5 UD	6.39 UD	**28.8 D**	**9.65 D**
Benzyl chloride		17.2 UD	10.4 UD	42.9 UD	10.4 UD	10.4 UD	3.45 UD
Bromodichloromethane		22.3 UD	13.4 UD	55.5 UD	13.4 UD	13.4 UD	4.47 UD
Bromoethene		14.6 UD	8.74 UD	36.2 UD	8.74 UD	8.74 UD	2.92 UD
Bromoform		34.4 UD	20.7 UD	85.6 UD	20.7 UD	20.7 UD	6.90 UD
Bromomethane		12.9 UD	7.77 UD	32.2 UD	7.77 UD	7.77 UD	2.59 UD
Carbon disulfide		**17.4 D**	**19.4 D**	**37.4 D**	**7.94 D**	**18.1 D**	**43.0 D**

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/m^3)	**Sample Designation:** / **Sample Date:**	SV-1 6/16/2015	SV-1 DUP 6/16/2015	SV-2 6/16/2015	SV-3 6/16/2015	SV-4 6/16/2015	SV-5 6/16/2015
Carbon tetrachloride		20.9 UD	12.6 UD	52.1 UD	12.6 UD	12.6 UD	4.20 UD
Chlorobenzene		15.3 UD	9.21 UD	38.1 UD	9.21 UD	9.21 UD	3.07 UD
Chloroethane		8.79 UD	5.28 UD	21.8 UD	5.28 UD	5.28 UD	1.76 UD
Chloroform		16.3 UD	9.77 UD	40.4 UD	9.77 UD	9.77 UD	3.26 UD
Chloromethane		6.88 UD	**4.63 D**	17.1 UD	4.13 UD	4.13 UD	**7.85 D**
cis-1,2-Dichloroethene		13.2 UD	7.93 UD	**65.8 D**	7.93 UD	7.93 UD	2.64 UD
cis-1,3-Dichloropropene		15.1 UD	9.08 UD	37.6 UD	9.08 UD	9.08 UD	3.03 UD
Cyclohexane		11.5 UD	6.88 UD	28.5 UD	6.88 UD	**10.1 D**	**6.16 D**
Dibromochloromethane		28.4 UD	17.0 UD	70.5 UD	17.0 UD	17.0 UD	5.68 UD
Dichlorodifluoromethane		16.5 UD	9.89 UD	40.9 UD	9.89 UD	9.89 UD	3.30 UD
Ethanol		**750 D**	**663 D**	**878 D**	**234 D**	**256 D**	**48.6 D**
Ethyl Acetate		30.1 UD	18.0 UD	74.6 UD	18.0 UD	18.0 UD	6.02 UD
Ethylbenzene		14.5 UD	8.69 UD	36.0 UD	8.69 UD	8.69 UD	**5.82 D**
Freon 113		25.5 UD	15.3 UD	63.5 UD	15.3 UD	15.3 UD	5.11 UD
Freon 114		23.3 UD	14.0 UD	57.9 UD	14.0 UD	14.0 UD	4.66 UD
Heptane		**36.4 D**	**33.8 D**	33.9 UD	**18.2 D**	**21.6 D**	**12.2 D**
Hexachlorobutadiene		35.5 UD	21.3 UD	88.3 UD	21.3 UD	21.3 UD	7.11 UD
Isooctane		15.6 UD	9.34 UD	38.7 UD	9.34 UD	9.34 UD	3.12 UD
Isopropanol		**55.8 D**	**38.6 D**	**79.2 D**	**54.1 D**	**93.9 D**	**14.1 D**
m+p-Xylene		29.0 UD	17.4 UD	72.1 UD	**20.0 D**	17.4 UD	**19.2 D**
Methylene chloride		29.0 UD	17.4 UD	71.9 UD	17.4 UD	17.4 UD	5.80 UD
MTBE		12.0 UD	7.21 UD	29.9 UD	7.21 UD	7.21 UD	2.40 UD
n-Hexane		**164 D**	**165 D**	**71.5 D**	**20.7 D**	**288 D**	**54.3 D**
o-Xylene		14.5 UD	8.69 UD	36.0 UD	8.69 UD	8.69 UD	**8.17 D**
Styrene		14.2 UD	8.52 UD	35.3 UD	8.52 UD	8.52 UD	2.84 UD
t-Butyl Alcohol		**61.8 D**	**48.2 D**	62.8 UD	**70.3 D**	**87.0 D**	**44.3 D**
Tetrachloroethene		22.6 UD	13.6 UD	56.1 UD	**56.4 D**	13.6 UD	**7.32 D**
Tetrahydrofuran		24.6 UD	14.7 UD	61.1 UD	14.7 UD	14.7 UD	4.93 UD
Toluene		**34.9 D**	**38.1 D**	31.2 UD	**31.1 D**	**44.5 D**	**40.7 D**

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, Lighthouse Point Redevelopment, 5 Bay Street, Staten Island, New York

Parameter (Concentrations in µg/m^3)	**Sample Designation:** / **Sample Date:**	SV-1 6/16/2015	SV-1 DUP 6/16/2015	SV-2 6/16/2015	SV-3 6/16/2015	SV-4 6/16/2015	SV-5 6/16/2015
trans-1,2-Dichloroethene		13.2 UD	7.93 UD	32.8 UD	7.93 UD	7.93 UD	2.64 UD
trans-1,3-Dichloropropene		15.1 UD	9.08 UD	37.6 UD	9.08 UD	9.08 UD	3.03 UD
Trichloroethene		17.9 UD	10.7 UD	**434 D**	10.7 UD	10.7 UD	3.58 UD
Trichlorofluoromethane		18.7 UD	11.2 UD	46.5 UD	11.2 UD	11.2 UD	3.75 UD
Vinyl chloride		8.51 UD	5.11 UD	21.2 UD	5.11 UD	5.11 UD	1.71 UD

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/m^3 - Micrograms per cubic meter
Bold data indicates that parameter was detected
D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

FIGURES

1. Site Location Map
2. Site Plan
3. Redevelopment Plan
4. Surrounding Land Usage

QUADRANGLE LOCATION

SOURCE:
USGS; 1995, Jersey City, NJ-NY
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

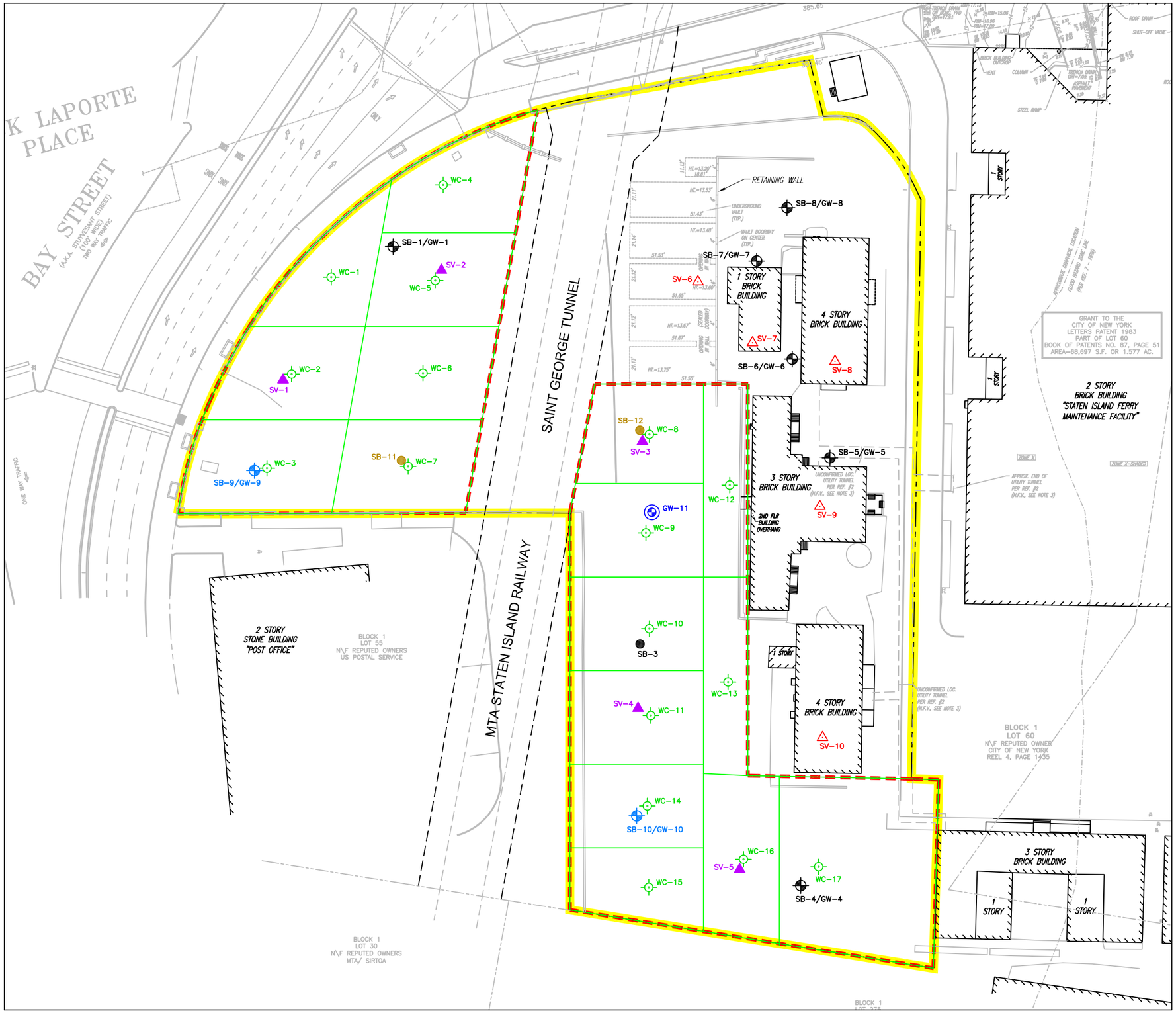
Prepared for:

TRIANGLE EQUITIES - 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 01JUL15	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	1
Project Mgr.: J.C.	Project No.: 1637.0001Y003	
File: 1637.0001Y114.03.CDR		

V:\CAD\PROJECTS\1637Y\0001Y\114\1637.0001Y114.01.CDR



LEGEND

- PROJECT BOUNDARY
- PROPOSED SCOPE OF EXCAVATION BOUNDARY
- PROPOSED SOIL CHARACTERIZATION GRID
- WC-1 — IN SITU SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- SB-11 — SOIL SAMPLING LOCATION AND DESIGNATION
- SB-10/GW-10 — SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-3 — SOIL VAPOR/SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- SB-3 — 2007 PHASE II SOIL SAMPLING LOCATION AND DESIGNATION
- SB-5 — 2007 PHASE II SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-8 — PROPOSED SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- GW-11 — EXISTING MONITORING WELL LOCATION AND LOCATION AND DESIGNATION

N

60' 0 60'

Title:

SITE PLAN

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared For:
TRIANGLE EQUITIES – 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.C.	Date: 05AUG15	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: J.C.	Project: 1637.0001Y003	2
File: 1637.0001Y114.01.DWG		

V:\CAD\PROJECTS\1637Y\0001Y\114\1637.0001Y114.01.DWG

LEGEND

PROJECT BOUNDARY

N

Title:

REDEVELOPMENT PLAN

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES - 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 01JUN15	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	3
Project Mgr.: J.C.	Project No.: 1637.0001Y003	
File: 1637.0001Y114.02.CDR		

V:\CAD\PROJECTS\1637Y\0001Y114\1637.001Y114.02.CDR

LEGEND

PROJECT BOUNDARY

N

0 120'

Title:

SURROUNDING LAND USAGE

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES - 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 01JUL15	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	4
Project Mgr.: J.C.	Project No.: 1637.0001Y003	
File: 1637.0001Y114.03.CDR		

V:\CAD\PROJECTS\1637Y\0001Y\114\1637.0001Y114.01.CDR

APPENDICES

A. Roux Associates 2013 Phase I ESA *(Provided on CD in Bound Report)*

B. Roux Associates 2007 Phase II ESA *(Provided on CD in Bound Report)*

C. Soil Boring Logs

D. Laboratory Data Deliverables *(Provided on CD in Bound Report)*

APPENDIX A

Roux Associates 2013 Phase I ESA

(Provided on CD in Bound Report)

January 31, 2013

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Lighthouse Point
5 Bay Street
Staten Island, New York
Block 1, Lot 60

Prepared for

TRIANGLE EQUITIES DEVELOPMENT COMPANY LLC

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

TRI63701Y.106/CV

TABLE OF CONTENTS

EXECUTIVE SUMMARY ii

1.0 INTRODUCTION 1

2.0 METHODS OF INVESTIGATION 3
- 2.1 General 3
- 2.2 Review of Readily Available Information 3
- 2.3 Site and Surrounding Area Reconnaissance 4
- 2.4 Previous Environmental Investigations 5

3.0 PROPERTY DESCRIPTION 9
- 3.1 Property Location and Description 9
- 3.2 Current Surrounding Property Usage 11
- 3.3 Topographic and Hydrogeologic Setting 11

4.0 SITE HISTORY 13
- 4.1 Historical Site and Surrounding Property Usage 13
- 4.2 Historical Sanborn Fire Insurance Maps 13
- 4.3 Historical Aerial Photographs 16
- 4.4 Historical Topographic Maps 16
- 4.5 Lien Search and Activity Use Limitations 16
- 4.6 City Directory Search 17
  - 4.6.1 City Directory Search of the Site 17
  - 4.6.2 City Directory Search of Adjoining Properties 17

5.0 RECORDS REVIEW 19
- 5.1 USEPA Large Quantity Generators of Hazardous Waste 21
- 5.2 Conditionally Exempt Small Quantity Generators of Hazardous Waste 21
- 5.3 RCRA – Non-Generators 21
- 5.4 State Hazardous Waste Sites 21
- 5.5 Leaking Storage Tanks/Historical Leaking Storage Tanks 22
- 5.6 Registered Underground Storage Tanks / Historical Underground Storage Tanks 22
- 5.7 Registered Major Oil Storage Facility (MOSF) UST 22
- 5.8 Registered Major Oil Storage Facility (MOSF) AST 23
- 5.9 Registered Aboveground Storage Tank Database 23
- 5.10 Chemical Bulk Storage Database 23
- 5.11 Registry of Inactive Hazardous Waste Disposal Sites 23
- 5.12 Spill Sites Database 23
- 5.13 Manifest Facilities 24
- 5.14 E-Designation Facilities 24

6.0 SITE RECONNAISSANCE 28
- 6.1 Utilities 28
- 6.2 Hazardous Substances 28
- 6.3 Storage Tanks 28
- 6.4 Polychlorinated Biphenyls 29
- 6.5 Staining and Stressed Vegetation 29
- 6.6 Drains and Sumps 29

TABLE OF CONTENTS

(Continued)

6.7 Solid Waste 29
6.8 Wastewater....29
6.9 Wells 29

7.0 INTERVIEWS AND USER-PROVIDED INFORMATION....30
7.1 Interviews....30
7.2 User Questionnaire....30

8.0 FINDINGS AND CONCLUSIONS 31

9.0 REPORT ASSUMPTIONS AND LIMITATIONS....32

10.0 REFERENCES 36

FIGURES

1. Site Location Map
2. Site Plan with Surrounding Properties

APPENDICES

A. Qualifications of Key Project Personnel
B. Federal and State Environmental Databases (Provided on CD with Bound Copy)
C. Historical Sanborn Fire Insurance Maps
D. Historical Aerial Photographs
E. Historical Topographic Maps
F. Lien Search Report
G. Historical City Directory
H. Site Photographs
I. Freedom of Information Law Letters and Responses
J. User Provided Information

EXECUTIVE SUMMARY

At the request of 5 Bay Street LLC (5 Bay Street), Roux Associates, Inc. (Roux Associates) performed a Phase I Environmental Site Assessment (ESA) of the western portion of New York City tax map Block 1, Lot 60 with the street address 5 Bay Street in Staten Island, New York; hereafter referred to as the Site (Figure 1). The Phase I ESA was conducted in accordance with the scope of work presented in the contract between Roux Associates and 5 Bay Street dated November 12, 2012 and in general accordance with the American Society of Testing and Materials' (ASTM) standard practice for Environmental Site Assessments for Commercial Real Estate (ASTM E 1527 05, 2005), and the All Appropriate Inquiry (AAI) Rule as promulgated in 40 Code of Federal Regulations (CFR) Part 312.

Roux Associates utilized a variety of information sources to perform the Phase I ESA, including radial information searches from state and federal regulatory agency databases, freedom of information law (FOIL) requests submitted to federal, state and local regulatory agencies, a review of readily available information including: historical aerial photographs, historical Sanborn fire insurance maps, historical topographic maps, City Directory search, liens, interviews with site representatives, and observations made during a Site reconnaissance.

Based on the information gathered as a result of the Phase I ESA process, Roux Associates has not identified any RECs in connection with the Site.

Although not technically defined as RECs, the following is a list of potential environmental concerns at the Site that could potentially impact subsurface conditions at the Site:

- Information suggests that the Site is most likely underlain by historical urban fill material from an unknown origin.

Although considered out of scope, the following environmental issues were reviewed in previous environmental reports and warrant attention, if not already addressed:

- According to a previous asbestos containing material (ACM) and lead-based paint (LBP) surveys, ACM and LBP were pervasive throughout Building Nos. 5, 6, 7, and 8. An abatement plan is required prior to renovation of the buildings.

Roux Associates has identified the following data gaps in the information developed as part of the inquiry that affect the ability of the environmental professional to identify conditions indicative of releases at the Site:

- Pending response to FOIL requests from the USEPA, the NYCDEP; the NYCDOH and the NYCOER. If any additional pertinent information is obtained from responses to outstanding FOIL requests, Roux Associates will prepare a letter addendum summarizing these findings.

Please note that although lack of record sources listed above is considered a data gap, it is not considered a material limitation for the completion of this Phase I ESA report.

1.0 INTRODUCTION

At the request of 5 Bay Street LLC (5 Bay Street), Roux Associates, Inc. (Roux Associates) performed a Phase I Environmental Site Assessment (ESA) of the western portion of New York City tax map Block 1, Lot 60 with the street address 5 Bay Street in Staten Island, New York; hereafter referred to as the Site (Figure 1).

The Phase I ESA was conducted in accordance with the scope of work presented in the contract between Roux Associates and 5 Bay Street dated November 12, 2012 and in general accordance with the American Society of Testing and Materials' (ASTM) standard practice for Environmental Site Assessments for Commercial Real Estate (ASTM E 1527-05, 2005), and the All Appropriate Inquiry (AAI) Rule as promulgated in 40 Code of Federal Regulations (CFR) Part 312.

This Phase I ESA is not intended to serve as a rigorous environmental compliance audit; rather, the purpose of this investigation is to identify "recognized environmental conditions" (RECs) at the Site. ASTM E 1527-05 defines an REC as:

> *"…the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not represent a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not recognized environmental conditions… or*
>
> *"…an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property through reviewing and gathering information relating to the following at the Site:*
>
> *(1) Current and past property uses and occupancies;*
>
> *(2) Current and past uses of hazardous substances and petroleum products;*
>
> *(3) Waste management and disposal activities;*
>
> *(4) Current and past corrective actions and response activities;*

(5) The presence of any engineering controls;

(6) The presence of any institutional controls; and

(7) Information relating to properties adjoining or located within a quarter mile of the Site."

In order to assess the potential for RECs associated with the Site, Roux Associates utilized a variety of information sources, including radial information searches from state and federal regulatory environmental databases, Freedom of Information Law (FOIL) requests submitted to federal, state and local regulatory agencies, a review of readily available information including historical aerial photographs, historical Sanborn fire insurance maps, historical topographic maps, interviews with site representatives, and observations made during a Site reconnaissance. The qualifications of key personnel assigned to manage and conduct the Phase I ESA are provided in Appendix A.

2.0 METHODS OF INVESTIGATION

The methods of investigation used to conduct this Phase I ESA are outlined in the following sections.

2.1 General

The activities performed in conjunction with the Phase I ESA of the Site included:

- Review of state and federal environmental regulatory agency databases provided by Environmental Data Resources, Inc. of Milford, Connecticut (EDR), indicating properties of environmental concern within specified radii from the Site (Appendix B);
- Submission of FOIL requests to federal, state, and local regulatory agencies;
- Review of historical information for the Site and surrounding area;
- Interviews conducted on January 3, 2013 with Mr. Mike Heinz and Mr. Darrell Peterson (Key Site Representatives); and
- Reconnaissance of the Site and surrounding area.

2.2 Review of Readily Available Information

The resources compiled and reviewed by Roux Associates to date include the following:

- EDR Radius Map with GeoCheck, dated December 17, 2012 (EDR database report) (Appendix B);
- Historical Sanborn fire insurance maps dated 1885, 1898, 1917, 1922, 1937, 1950, 1962, 1977, 1981, 1983, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006 and 2007. (Appendix C);
- Historical aerial photographs dated 1924, 1943, 1954, 1966, 1975, 1984, 1995, 2006 and 2008 (Appendix D);
- United States Geological Survey (USGS) 15 Minute Topographic Maps, Staten Island Quadrangle dated 1891 and 1900; 30 Minute Topographic Maps, Passaic Quadrangle dated 1900, 1905; and 7.5 Minute Topographic Maps, Jersey City Quadrangle dated 1947, 1955, 1967 and 1981 (1967 revised) (Appendix E);
- Environmental Lien Search Report (Appendix F); and
- A search of the historical City Directories conducted by EDR (Appendix G).

The agencies contacted during the records review are provided below:

Agency	Status
United States Environmental Protection Agency (USEPA)	Request for information filed with agency, response pending.
New York State Department of Environmental Conservation (NYSDEC)	Response received; discussed in report.
New York City Department of Environmental Protection (NYCDEP)	Request for information filed with agency, response pending.
New York City Department of Health (NYCDOH)	Request for information filed with agency, response pending.
New York City Office of Environmental Remediation (NYCOER)	Request for information filed with agency, response pending.
New York City Fire Department (FDNY)	Response received; discussed in report.
New York City Landmark Preservation Commission (NYCLPC)	Partial response received; discussed in report. Additional responses pending.
New York City Department of Buildings Building Information System (NYCDOB BIS)	Records accessed; discussed in report.
New York City Department of Finance Automated City Register Information System (NYCDOF ACRIS)	Records accessed; discussed in report.

2.3 Site and Surrounding Area Reconnaissance

Roux Associates conducted a reconnaissance of the Site and surrounding area on January 3, 2013 to identify, investigate, and assess RECs and other environmental concerns. The Site reconnaissance included a review of the following:

- Site and local topography;
- Visible drainage pathways;
- Stained soil, stained concrete/pavement;
- Stressed vegetation, excavations, mounded soil;
- Ponded liquids, drywells, floor drains, and sumps;
- Locations and types of utilities;

- Storage areas;
- Hazardous materials;
- Hazardous wastes;
- Presence of aboveground storage tanks (ASTs) and/or USTs;
- Presence of electrical transformers; and
- Current use of adjacent properties.

This Phase I ESA does not include a review of, or discussions regarding, asbestos-containing material (ACM), lead based paint (LBP), or radon surveys as they are considered "out-of-scope" under ASTM E 1527-05.

Photographs from the Site reconnaissance are included in Appendix H.

2.4 Previous Environmental Investigations

Several reports regarding previous environmental investigations conducted at the Site were reviewed for this Phase I ESA and are outlined in the following sections.

Phase I ESA conducted by Sandstone Environmental Associates, Inc., dated October 8, 1999

The Phase I ESA report prepared by Sandstone Environmental Associates, Inc. (Sandstone) dated October 8, 1999 did not identify any recognized environmental conditions (RECs). However, several areas of concern were discussed in the Sandstone Phase I ESA report and are as follows:

- ACM was confirmed in an asbestos survey, conducted by TRC Environmental Corp. (TRC), in various buildings on thermal system insulation, ceiling and floor tiles, and wall panels. The TRC report recommended the removal and disposal of ACM according to applicable regulations.
- LBP was confirmed in various buildings, as part of the TRC report which recommended the removal of disposal of LBP surfaces during renovation.
- Standing water was noted in the basement of Building No. 7. Although no odors or staining was noted, the water may contain ACM since it probably flowed through the building.
- Fluorescent light ballasts, potentially containing PCBs were noted throughout the buildings and in the electric motors of the elevators in Building Nos. 8 and 10.

- The Sandstone Phase I ESA report recommends soil sampling if odors, discoloration or suspicious subsurface materials are encountered during soil excavation, based on previous Site uses under the Lighthouse Service Depot and the U.S. Coast Guard Base.

Phase II ESA conducted by Roux Associates, dated December 18, 2007

Roux Associates conducted a Phase II ESA based on potential environmental concerns (or areas of concern identified in the Sandstone Phase I ESA), which may influence redevelopment construction. These potential environmental concerns are as follows:

- Potential for environmental impacts related to historic Site uses. Based on these historical uses, there is potential that soils and/or groundwater at the Site may have been impacted with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. In addition, soils at the location of a former greenhouse previously located along the abandoned private roadway between the administrative building and the existing United States Postal Service building may have been impacted with pesticides.

- Potential for heating oil underground storage tanks (USTs) to be present at the former location of two dwellings in the westernmost portion of the Site.

- Potential presence at the Site of impacted (particularly with SVOCs and metals) historic/urban fill.

Field activities included a site inspection and geophysical survey; asbestos and lead-based paint (LBP) survey and sampling; and a soil / groundwater sampling program, as summarized below.

Geophysical Investigation

The geophysical investigation, consisting of an electromagnetic (EM) and ground penetrating radar (GPR) survey, was performed to evaluate the potential presence of remnant heating oil storage tanks or other subsurface structures associates with the buildings and two former residential dwellings that fronted Bay Street. The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site. The geophysical survey results did not suggest the presence of storage tanks that would impede future excavation/construction activities planned for the Site, or when viewed in conjunction with soil and groundwater sample results represent potential sources of contamination.

Asbestos and Lead Based Paint Survey

As part of the Phase II ESA, Roux Associates subcontracted a lead-based paint (LBP) and asbestos-containing materials (ACM) surveyor. The ACM and LBP survey of the existing buildings will serve as a basis for an abatement cost estimate (to be prepared by others) prior to renovation of these buildings.

ACM and LBP were pervasive throughout Building Nos. 5, 6, 7, and 8. Six five-gallon pails with suspected roof cement ACM were also stored in the vaults with no additional ACM present. No LBP was identified in the vaults. Based on age, color, and appearance of the roofing material and based on the experience of the surveyor, roofing material was concluded to be built-up roofing (BUR) and assumed to be asbestos containing. LBP was found predominantly on interior surfaces and within Building Nos. 5, 6, 7, and 8. Exterior LBP was found on the walls and windows of Building No. 5 only.

Soil Sampling

The soil borings, designated as SB-1, and SB-3 through SB-8, were installed on July 5, 6 and 9, 2007 to evaluate soil quality at the Site.

Trace detections of several VOCs (carbon disulfide, chloromethane and toluene) were detected in the soil samples. One SVOC (benzo(a)pyrene) was detected in the soil samples exceeding NYSDEC RSCO value. Minor detections of nine additional SVOCs were also reported below NYSDEC RSCOs. Several metals were detected in the soil samples in concentrations above their respective RSCOs, including chromium, copper, mercury, nickel, selenium and zinc. The concentrations of these metals are consistent with the NYSDEC background concentration range for soils in the Eastern U.S. at all boring locations. No pesticides were detected.

Groundwater Sampling

According to the Phase II ESA report, groundwater flow direction beneath the Site is likely easterly towards the Upper New York Bay. Based upon this information, groundwater samples were collected at locations SB-1 and SB-4 through SB-8 to be representative of hydraulically upgradient and downgradient groundwater quality, respectively.

No VOCs were detected in groundwater samples collected at the Site, with the exception of trace amounts of methylene chloride, a common laboratory artifact, and a trace amount of the chlorinated solvent trichloroethene. No SVOCs were detected in groundwater samples collected at the Site, with the exception of dis(2-ethylhexyl)phthalate, a common laboratory artifact. Several metals were detected in the unfiltered groundwater samples in concentrations above their respective AWQSGVs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. The results indicate that the detections in the unfiltered samples are related to metals within or adsorbed to the lattice of fine suspended minerals, rather than being present as a dissolved phase. No PCBs or pesticides were detected in groundwater samples collected at the Site.

3.0 PROPERTY DESCRIPTION

Descriptions of the Site and surrounding properties are included in the following sections. The location of the Site is presented in Figure 1. The Site and Surrounding properties are presented in Figure 2.

3.1 Property Location and Description

The Site is located at the east side of Bay Street, just south of the Staten Island Ferry Terminal in the Borough of Staten Island and City of Manhattan. The Site is located in an area of mixed property usage that includes residential and non-residential (commercial, community facility, park, light-industrial, government buildings).

The Site is currently owned by the City of New York and is approximately three acres, improved with four buildings and six underground vaults built into the hillside. The Site buildings (previously designated as Building Nos. 5 through 8) were identified as being vacant on the 1992 Sanborn fire insurance map. The eastern part of the Site is approximately 20 feet above mean sea leave and the western part is approximately 50 ft above mean sea level. A retaining wall is present west of the Site building, which is where the entrances to the vaults are located. The vaults extend westward, abutting the Saint George Tunnel, a right-of-way of the Metropolitan Transportation Authority (MTA) Staten Island Railway that runs beneath the Site on a north-south axis.

Based upon a review of historical information, as described in the aforementioned Sandstone Phase I ESA report, and other publicly available information, the Site was part of a larger quarantine facility (approximately 30 acres), or lazaretto, from circa 1799 to 1858, at which time the facility was burnt to the ground. The Revenue Cutter Service, the oldest armed maritime service in the United States, also used five of the 30 acres as a base until after the Civil War.

In 1862, the U.S. Lighthouse Board (later U.S. Lighthouse Service), chose the Site to be part of a "super depot" of the Third District U.S. Lighthouse Depot. From 1862 to 1939, this lighthouse depot was the headquarters of the U.S. Lighthouse Service, supplying other District Depots along the East Coast and serving as the central headquarters for technological research. The buildings currently onsite were constructed during this period. This includes Building No. 5 (constructed in 1917), Building No. 6 (constructed in 1864), Building No. 7 (constructed in three phases between

1868 and 1918), and Building No. 8 (constructed in 1868). The vaults were constructed in 1886. A short summary of building uses during this period of time follows:

- *Building No 5* – A one-story brick building located between Building No. 6 and the vaults, which was used as a laboratory by engineers at the lighthouse depot to test fuels and to experiment with lamp design. Contrary to the other remaining buildings, Building No. 5 is not listed on the National Register of Historic Places or as a New York City Historic Landmark.

- *Building No. 6* – This four-story brick building is the oldest building at the lighthouse depot, built in 1864, was used as a warehouse and is listed on the National Register of Historic Places.

- *Building No. 7* – This building housed the offices of the Superintendent and Engineer of the Lighthouse Depot and their staffs. It originally consisted of only the center section. Around the turn of the century, the wings were added, as well as the space behind the building, filling in between the wings. Building No. 6 is listed on the National Register of Historic Places and is also a New York City Historic Landmark.

- *Building No. 8* – Similar to Building No. 6 in its exterior appearance, Building No. 8 was constructed as a lamp shop to assemble and repair lighthouse lenses. Building No. 8 is listed on the National Register of Historic Places.

- *The Vaults* – The vaults are built into the hillside behind Building No. 5 and served for storage purposes of volatile lighthouse fuels used for experimental purposes as an alternative to whale oil. The vaults are listed on the National Register of Historic Places.

The Coast Guard took over duties of the Lighthouse Service in 1939 and remained onsite until circa 1968. During the Coast Guard's occupancy, Building No. 5 was used as a utility building; Building No. 6 was used as barracks and galley; Building No. 7 was used as an administration building; Building No. 8 was used as an industrial supply warehouse; and the vaults were used to store oil and supplies. The Site was subsequently occupied by the New York Harbor Pilot's Association until 1982, when New York City purchased the Site, which has remained vacant to date. It is noted that two residential homes, two and three stories in height, were also present in the upland area north of the existing U.S.P.S. office. The buildings were constructed as early as 1917 and demolished between 1984 and 1991.

At the time of the Site reconnaissance, the Site buildings were vacant and are deemed unsafe to enter. Entry to the buildings was limited to the foyers of each building and one or two adjacent rooms. The ceilings and walls were in poor condition and were crumbling. Cracks and missing

bricks were noted on the exterior of the buildings. The doors to the vaults were open. (Site photographs in Appendix G).

A natural gas connection was noted along Borough Plaza and Bay Street. Based on previous reports, wastewater from the Site buildings would be directed to the municipal sewer. No tank fill or vent lines were noted. A majority of the Site is vegetated; no stressed vegetation or staining was observed during the Site reconnaissance.

3.2 Current Surrounding Property Usage

The Site is surrounded by a mix of residential and non-residential (commercial, community facility, park, light-industrial) development. The table below details the adjacent property usage surrounding the Site.

North	Saint George Ferry Terminal and Saint George train station of the MTA Staten Island Railway.
South	Post Office Along Bay Street; commercial buildings further south.
East	A recently constructed esplanade, Borough Plaza, and New York City Department of Transportation Saint George ferry maintenance building immediately east; piers and Upper New York Bay further east.
West	Bay Street; Staten Island Borough Hall, the County Courthouse, Library; and a small business / office center further west.

3.3 Topographic and Hydrogeologic Setting

The grade at the Site is uneven; a retaining wall separates the Site into portions with differing elevations. The elevation of the Site ranges from approximately 20 feet above mean sea level on the east side of the Site to approximately 50 feet above mean sea level on the west side of the Site, according to the EDR database report and as shown in the USGS 7.5 Minute Series Topographic Map – Jersey City Quadrangle, dated 1981 (revised 1967) (Appendix E). The general slope in the surrounding area appears to dip gently in an easterly direction. The Site is located approximately 250 feet west of the Upper New York Bay. The Site is not located in a 100-year flood zone. The Site is not located in or adjacent to regulated wetlands.

The geology in the area of the Site and vicinity consists of underlying consolidated rock (bedrock) and unconsolidated deposits. The bedrock units are the Manhattan Schist, the Staten Island Serpentine, the Newark Supergroup and the Palisade Diabase. These rocks are directly overlain by unconsolidated deposits of the Upper Cretaceous Raritan Formation (in the southern region of Staten Island only, well away from the Site) or by upper Pleistocene deposits of Wisconsinan glacial drift, except in several bedrock-outcrop areas (Soren, 1988).

The Site is located in the vicinity of a geologic contact between the Staten Island Serpentine and the Manhattan Schist. When, in August 1905, it was found necessary to blast the rock under water at the new ferry slip at the St. George ferry terminal, mica schist containing garnet and unmistakably homologous with the Manhattan Schist was brought to the surface (Gratacap, 1909). The bedrock at the Site is overlain by ground moraine of Wisconsinan glacial drift. These unconsolidated deposits are mainly reddish-brown clayey till and consist of an unsorted mixture of clay, silt, sand, gravel, and sparse to abundant cobbles and boulders. Local bodies of stratified sand and gravel with significant amounts of disseminated clay and silt commonly occur within the ground moraine (Soren, 1988).

According to the EDR report, approximate depth to bedrock in the vicinity of the Site ranges from 50 to 100 ft bls. However, during the Site reconnaissance, exposed bedrock outcrops were noted on the west side of the Site

Based on the subsurface investigation conducted in 2007, subsurface geology consists of reddish brown fine to medium sand, with variable amounts of gravel and silt. Depth to groundwater ranged from approximately 37 ft bls in SB-1 (located on the northwest portion of the Site) to approximately 5 ft bls (along the east side of the Site). According to this data groundwater is flowing easterly towards the Upper New York Bay. However, since a groundwater survey was not conducted in relation to this Phase I ESA, exact groundwater depth and groundwater flow directions could not be determined at this time. Groundwater flow direction may also be influenced by local dewatering projects, utilities and other subsurface variations in geology.

4.0 SITE HISTORY

The historical uses of the Site are discussed below.

4.1 Historical Site and Surrounding Property Usage

The historical uses of the Site and surrounding properties were researched by examining historical Sanborn fire insurance maps dated 1885, 1898, 1917, 1922, 1937, 1950, 1962, 1977, 1981, 1983, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006 and 2007 (Appendix C); historical aerial photographs dated 1924, 1943, 1954, 1966, 1975, 1984, 1995, 2006 and 2008 (Appendix D); historical USGS topographic maps, dated 1891, 1900, 1905, 1947, 1955, 1967, and 1981 (Appendix E); Environmental Lien Search Report (Appendix F); and EDR city directory abstract (Appendix G); interviews conducted with Mr. Mike Heinz and Mr. Darrell Peterson (Key Site Representatives); and documentation from NYCDOB BIS and NYCDOF and ACRIS.

It was noted during the site reconnaissance that the surrounding area consists of mixed residential, commercial properties and government buildings. From review of the Sanborn fire insurance maps, Roux Associates identified the Site as being developed sometime prior to 1917. The 1917 Sanborn fire insurance map depicts the current buildings (Nos. 5-laboratory, 6-storage, 7 and 8-lamp shop). In addition, the vaults are labeled 'arched oil vaults'. Several additional structures including office, storage, 1- and 2-story dwelling, and a greenhouse, are noted. These additional structures were no longer depicted by 1991 and the current Site buildings were depicted as vacant on the 1991 Sanborn fire insurance map.

The 1955 topographic map indicates an elevation ranging from approximately 20 to 50 feet above mean sea level for the Site and surrounding area, consistent with current elevations.

4.2 Historical Sanborn Fire Insurance Maps

Roux Associates reviewed historical Sanborn fire insurance maps for the Site (Appendix C). The following is a summary of the Site and surrounding area from 1885 to 2007, as determined from the historical Sanborn fire insurance maps:

Year	Observations
1885	The Site is not depicted. U.S. Lighthouse Grounds (warehouse) is located south of the Site; no other surrounding properties depicted.
1898	The Site is not depicted. Two dwellings noted south of the Site. The rail yard across South Street (north of the Site) and the tunnel entrance north and south of the Site are depicted; NY & Staten Island Electric Co. and small commercial properties further north.
1917	The Site is improved with the current buildings (nos. 5-laboratory, 6-storage, 7 and 8-lamp shop) and the vaults are labeled 'arched oil vaults'. In addition, several additional structures are noted including office, storage, 1- and 2-story dwelling, and a greenhouse. A three inch water line runs through the Site from Bay Street to the bay. The brick wall along Bay Street is depicted. Surrounding properties include dwellings and a greenhouse to the south; and expansion of the U.S. Lighthouse Depot to include structures east of the Site (blacksmith, coal shed, carpenter, storage, lamp shop, engine room). Government buildings noted to the northwest.
1922	No significant changes are noted for the Site except for the expansion of Building No. 5 to include two immediately adjacent buildings. No significant changes are noted for the immediate surrounding area.
1937	No significant changes are noted for the Site No significant changes are noted for the immediate surrounding area except for the addition of the 2-story post office, south of the Site; stores and a filling station located further south along Bay Street; commercial properties depicted across Bay Street.
1950	No significant changes are noted for the Site. No significant changes are noted for the immediate surrounding area except for the change from U.S. Lighthouse Depot to U.S. Coast Guard, NY District Depot and for the addition of the viaducts over the rail yard that lead to the ferry terminal.
1962	No significant changes are noted for the Site or for the immediate surrounding area.
1977	No significant changes are noted for the Site. No significant changes are noted for the immediate surrounding area except for the omission of the filling station.
1981	No significant changes are noted for the Site. No significant changes are noted for the immediate surrounding area except for the addition of a repair shop south of the Site and continued development across Bay Street.

Year	Observations
1983	No significant changes are noted for the Site. No significant changes are noted for the immediate surrounding area except for the omission of the repair shop.
1986	No significant changes are noted for the Site. No significant changes are noted for the immediate surrounding area except for the change from U.S. Coast Guard, NY District Depot to Staten Island Hospitality Center.
1987, 1988, 1989, 1990	No significant changes are noted for the Site or for the immediate surrounding area.
1991	The two dwellings on the west side of the Site and two buildings (one north of Building No.6 and one south of Building No. 8) are no longer depicted. Building No. 5 and the vaults are no longer depicted; however, they were noted during site reconnaissance. The remaining current Site buildings and two 1-story structures remain (one west of Building No. 7 and one connected to Building No. 8). The current Site buildings are identified as being vacant. No significant changes are noted for the immediate surrounding area except for the omission of several of the buildings immediately east of the Site.
1992	No significant changes are noted for the Site. The Staten Island Ferry Maintenance Facility is depicted immediately adjacent to the east of the Site.
1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, 2005, 2006 and 2007	No significant changes are noted for the Site or for the immediate surrounding area.

No RECs were identified based on the review of the Sanborn fire insurance maps for the Site.

The immediately surrounding property to the east of the Site formerly occupied by the U.S. Lighthouse Depot and the U.S. Coast Guard, NY District Depot and utilized as a blacksmith, coal shed, lamp shop and engine room is a Potential Recognized Environmental Conditions at the Site. Although located downgradient from the Site, the Site and immediate surrounding area is affected by tidal variations of the groundwater.

4.3 Historical Aerial Photographs

Aerial photographs were obtained from EDR for the years 1924, 1943, 1954, 1966, 1975, 1984, 1995, 2006 and 2008, and are presented in Appendix D. According to the historical aerial photographs, the Site and surrounding areas appear to be developed according to the Sanborn fire insurance maps.

Roux Associates did not identify Recognized Environmental Conditions at the Site and in the immediate area surrounding the Site in connection with the Site from the review of historical aerial photographs.

4.4 Historical Topographic Maps

Historical topographic maps of the Site were obtained from EDR for the years 1891, 1900, 1905, 1947, 1955, 1967, and 1981 (1967 revised), and are presented in Appendix E. These maps corroborate the reported general development of the area around the Site, as documented in the aerial photographs and Sanborn fire insurance maps.

Due to the resolution and map scale, the Site details are not visible. According to the 1947 topographic map, the surrounding areas of the Site range from 0 feet in elevation (Upper New York Bay to 60 feet in elevation (across Bay Street). Note the 1947 map depicts 20 foot interval contours. The 1955 topographic map depicts the Site elevation to range from 20-50 feet above mean sea level, which is consistent with current elevations. There was no indication of radical elevation changes consistent with filling operations. Furthermore, these maps did not indicate any environmentally significant topographical features such as wetlands or environmentally significant Site uses such as landfills on or adjacent to the Site.

4.5 Lien Search and Activity Use Limitations

EDR performed an environmental lien search and search for recorded activity use limitations (AULs). No recorded environmental liens or AULs were found. Information revealed in this search presents the deed document, dated May 10, 1984 for the transfer of the Site from City of New York, Commissioner of General Services to City of New York, a Municipal Corporation. Also included with this Deed document is NYCDOB Property Profile Overview page and no

Environmental Control Board (ECB) violations exist for the Site. Documentation concerning this request is included in Appendix F.

In addition, the NYCDOF ACRIS reportedly lists federal liens, if any; and no federal liens were listed for the Site.

4.6 City Directory Search

A City Directory Abstract of the Site and adjoining properties was obtained from EDR and is presented in Appendix G. According the EDR report, the years 2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934 and 1928 were researched.

4.6.1 City Directory Search of the Site

The Site address, or target property according to EDR, are listed for the years 2000 and 1975.

No listings were recorded for the Site for the years 2012, 2007, 2005, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934 and 1928.

The listings representing the Site are names and appear to be residential in nature. Additional details are presented in Appendix F.

It does not appear that the above-listed businesses had reason to handle hazardous substances or petroleum products as part of the conduct of business.

4.6.2 City Directory Search of Adjoining Properties

Listings for adjoining properties were limited to the following street addresses: 1, 2, 3, 6, 8, 10, 17, 19, 20, 22, 24, 26, 28, 30, 32, 36, 38, 40, 44, 45, 50, 56, 57, 58, 59, 60, 69, 70 Bay Street; 10, 20, 30, 38 Bay Street Landing; 1, 2, 3, 4, 5, 10, 12, 13, 14, 15, 15-20, 16, 17, 18, 19, 20, 21, 22, 24, 25, 30, 32, 33, 34, 35, 38, 41, 44, 45, 51 Central Avenue; 34 North Central Avenue; 30, 50 Central Place; 1, 2, 3, 5, 7, 9, 10, 15, 17, 19, 23, 25, 27, 29, 30, 32, 34, 35, 38, 40, 51 Hyatt Street; 3 La Farge Place; 1, 7, 9, 10, 12, 15, 16, 20, 21, 26, 26-55, 31, 33, 34, 35, 37 Richmond Avenue; 17, 30 Richmond Road; 25, 30, 32, 36 Richmond Street; 1, 2, 3, 4-76, 8, 10, 11, 18, 25-80, 28, 30, 32, 34, 36 Richmond Terrace; 11, 32 Schuyler Street; 115 Stuyvesant Avenue; 114, 115, 120, 124, 126, 128, 130, 136, 138, 146, 152, 154, 156, 160, 180, 188 Stuyvesant Place.

The listings in the searched directories included residential, government, educational, and commercial entries; nearby properties include Avins Industrial Prods Corp. (30 Bay Street-1995); New Classy Cleaners (2 Bay Street-2000); NYC Smile Dentistry (57 Bay Street-2007); various dentist offices (25 Central Avenue-1960-1984); O'Neil Frank auto mechanic (44 Central Avenue-1934).

The property listings were identified as potentially having reason to handle hazardous substances as part of the conduct of business, with the associated potential for a release into the subsurface media of these properties. However, based on previous investigations historical surrounding property usage does not appear to have had a significant impact at the Site. Therefore, these property listing are not considered an environmental concern in connection with the Site.

5.0 RECORDS REVIEW

Roux Associates used a computerized environmental database and radius map report prepared by EDR to conduct a government records database search of properties of known and suspected environmental concern within specific radii of the Site. A total of 56 environmental databases were reviewed as part of this Phase I ESA. Appendix B contains a complete copy of the environmental database and radius map report. The Site, identified as PIER 5 BAY Street LANDING was recognized in the following environmental databases:

1) ERNS: The Emergency Response Notification System (ERNS) is a federal database that records and stores information on reported releases or and oil and hazardous substances.
   - An unknown amount of waste oil was intentionally spilled into the New York Harbor / Upper Bay. No details regarding remediation noted.

2) SPILLS / Historical SPILLS: Spill incidents are reported to the NYSDEC (SPILLS). Historical spills (Hist SPILLS) were reported to the NSYDEC utilizing its original database and are now documented with current spill incidents.
   - NYSDEC Spill No. 93071267 was assigned on April 25, 1993 for oil dumped from a vessel and for leaking drums near the pier. The spill has been declared closed by the NYSDEC on May 13, 1993.

Offsite properties identified in the state and federal databases within the searched radius include:

- Three listings of RCRA large quantity generators (LQGs) of hazardous waste;
- Six listings of conditionally exempt small quantity generators of hazardous waste (CESQGs);
- 13 facilities that currently no longer generate hazardous waste (RCRA-NonGen);
- One state hazardous waste site (SHWS);
- 22 leaking storage tank incidents (LTANKS);
- 19 Historical LTANKS;
- 14 properties with registered Underground Storage Tanks (USTs);
- 15 properties with Historical USTs;
- One property with registered Major Oil Storage Facility (MOSF) USTs;
- One property with registered MOSF ASTs;
- 12 properties with registered ASTs;

- Two properties with registered Chemical Bulk Storage (CBS) Tanks (USTs or Aboveground Storage Tanks (ASTs));
- One property listed as delisted from the Registry of Inactive Hazardous Waste Disposal Sites (DEL SHWS);
- 11 NYSDEC spill sites;
- 9 Historical NYSDEC spill sites;
- 22 properties with Manifests;
- Four properties with NJ Facility and Manifest Data (NJ Manifests); and
- 12 E-Designation site listings.

Offsite properties that meet the criteria presented below are discussed in this report:

- Facilities located immediately adjacent to the Site are examined due to their close proximity to the Site and the potential for surface water discharges (e.g., stormwater runoff, surface water effluent discharges) to enter the Subject Site or through the migration of groundwater.
- Facilities located topographically or hydraulically upgradient to the Site.

Properties located across the Upper New York Bay, in neighboring Brooklyn, were not included in this report due to the large distance to the Site and the presence of the Upper New Bay as a hydraulic barrier between these properties and the Site.

For the purposes of this assessment, groundwater has been assumed to flow easterly. Facilities that are located downgradient or cross-gradient to the Site but not immediately adjacent to the Site are not generally discussed in this report as these sites are considered to pose a low potential environmental concern to the Site. In addition, certain facilities that may be hydraulically upgradient but involve conditions that are considered *de minimis* (i.e., small quantities of releases, contained releases, or releases that are cleaned up in such a manner that does not pose a threat to human health or the environment) are not generally discussed in this report unless further clarification was warranted to rule out the potential for these properties to impact the Site.

5.1 USEPA Large Quantity Generators of Hazardous Waste

The EDR report identified three facilities within the searched radius as a Large Quantity Generator (LQG) of hazardous waste. A LQG of hazardous waste generates more than 1,000 kilograms (2,200 pounds) of hazardous waste per month or more than one kilogram (2.2 pounds) of acutely hazardous waste per month. Based on the information contained in the EDR report (i.e., distance from the Site, nature of generated waste and December 18, 2007 Phase II results) the LQG properties were not identified as an environmental concern in connection with the Site.

5.2 Conditionally Exempt Small Quantity Generators of Hazardous Waste

The EDR report identified six facilities within the searched radius as Conditionally Exempt Small Quantity Generators (CESQG) of hazardous waste. A CESQG of hazardous waste generates less than 100 kilograms (220 pounds) of hazardous waste, or less than 1 kilogram (2.2 pounds) of acutely hazardous waste per month. Based on the information contained in the EDR report (i.e., distance from the Site, nature of generated waste and December 18, 2007 Phase II results), the CESQGs properties were not identified as an environmental concern in connection with the Site.

5.3 RCRA – Non-Generators

The EDR report identified 13 facilities within the searched radius as RCRA non-generators of hazardous waste (RCRA NonGen). A RCRA NonGen does not presently generate hazardous waste, but generated hazardous waste at some point in the past. Based on the information contained in the EDR report (i.e., distance from the Site, hydraulic location with respect to the Site, absence of or satisfied reported violations, and/or nature of generated waste), none of RCRA NonGen facilities were identified as an environmental concern in connection with the Site.

5.4 State Hazardous Waste Sites

The EDR report identified one state hazardous waste site (SHWS) within the searched radius. This database includes known or suspected HSWDS and sites delisted from the registry of inactive hazardous waste disposal sites. Based on the information contained in the EDR report (i.e., distance of more than 0.125 mile from the Site, and hydraulic location with respect to the Site), the SHWS was not identified as an environmental concern in connection with the Site.

5.5 Leaking Storage Tanks/Historical Leaking Storage Tanks

The EDR report identified 22 properties within the searched radius as having leaking storage tanks (LTANKS). In addition, the EDR report identified 19 properties in the Historical Leaking Storage Tanks database within the searched radius. In 2002, the NYSDEC stopped entering information into this historical database and transferred all records to the Leaking Storage Tank Database; therefore, all properties included in this database are included in the current Leaking Storage Tank Database. The EDR report includes the historical database, which includes additional information to complement information provided in the current Leaking Storage Tank Database. Based on the information contained in the EDR report (i.e., distance from the Site, hydraulic location with respect to the Site and/or quantity, nature of the release and December 18, 2007 Phase II results), the LTANKS were not identified as an environmental concern in connection with the Site.

5.6 Registered Underground Storage Tanks / Historical Underground Storage Tanks

The database identified 14 properties within the searched radius with registered USTs under provisions of the NYSDEC Petroleum Bulk Storage (PBS) program. In addition, the EDR report identified 15 properties in the Historical Underground Storage Tanks database within the searched radius. In 2002, the NYSDEC stopped entering information into this historical UST database and transferred all records to the current Registered UST database; therefore, all properties included in the historical UST database are included in the current UST database. The EDR report includes the historical database, which contains additional information to complement information provided by the current UST database. Based on the information contained in the database (i.e., distance from the Site, hydraulic location with respect to the Site, quantities/nature of the UST contents, history of leaking tanks/spills/releases and December 18, 2007 Phase II results), the UST properties were not identified as an environmental concern in connection with the Site.

5.7 Registered Major Oil Storage Facility (MOSF) UST

The database identified one property within the searched radius with registered USTs under provisions of the NYSDEC MOSF program. Based on the information contained in the database (i.e., distance from the Site, the MOSF UST property was not identified as an environmental concern in connection with the Site.

5.8 Registered Major Oil Storage Facility (MOSF) AST

The database identified one property within the searched radius with registered ASTs under provisions of the NYSDEC MOSF program. Based on the information contained in the database (i.e., distance from the Site), the MOSF UST property was not identified as an environmental concern in connection with the Site.

5.9 Registered Aboveground Storage Tank Database

The database identified 12 properties within the searched radius with registered ASTs under provisions of the NYSDEC PBS program. Based on the information contained in the database (i.e., distance from the Site and/or hydraulic location with respect to the Site), the AST properties were not identified as an environmental concern in connection with the Site.

5.10 Chemical Bulk Storage Database

The EDR report identified two properties within the searched radius with registered CBS tanks (USTs and ATS) which includes facilities storing hazardous substances listed in 6 NYCRR Part 597 and registration data collected as required by 6 NYCRR Part 596, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Based on the information contained in the EDR report (i.e., significant distance from the Site, and hydraulic location with respect to the Site), the CBS facilities were not identified as an environmental concern in connection with the Site.

5.11 Registry of Inactive Hazardous Waste Disposal Sites

The EDR report identified one property listed as delisted from the Registry of Inactive Hazardous Waste Disposal Sites (DEL SHWS). Based on the information contained in the EDR report (i.e., significant distance from the Site, and hydraulic location with respect to the Site), the DEL SHWS facility was not identified as an environmental concern in connection with the Site.

5.12 Spill Sites Database

The EDR report identified 11 properties within the searched radius with spill incidents that were reported to the NYSDEC (SPILLS). In addition, the EDR report identified 9 historical spill incidents within the searched radius. Please note that the same spill incidents are referenced in these searches. Based on the information contained in the database (i.e., distance from the Site,

hydraulic location with respect to the Site, quantities/nature of the spills, spill status and December 18, 2007 Phase II results), the SPILLS properties were not identified as an environmental concern in connection with the Site.

5.13 Manifest Facilities

The EDR report identified 22 properties within the searched radius with Facility and Manifest Data (MANIFEST). In addition, four properties in New Jersey were identified; however are not included in this Phase I ESA due to the nature hydraulic barrier of the Upper New York Bay. This information lists and tracks hazardous waste from the generator though transporters to a Treatment, Storage, Disposal (TSD) facility. Based on the information contained in the EDR report (i.e., distance from the Site, hydraulic location with respect to the Site, nature of generated waste and December 18, 2007 Phase II results), the MANIFEST properties were not identified as an environmental concern in connection with the Site.

5.14 E-Designation Facilities

The EDR report identified 12 properties within the searched radius as an E-designation facility. The E-Designation Environmental Review Program is administered by the NYCOER; formerly by the NYCDEP. The 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. An E-Designation is a NYC zoning map designation that indicates the presence of an environmental requirement pertaining to potential Hazardous Materials Contamination, Window/Wall Noise Attenuation, or Air Quality impacts on a particular tax lot. Based on the information contained in the EDR report (i.e., distance from the Site, hydraulically location with respect to the Site and December 18, 2007 Phase II results), the E-designation facilities were not identified as an environmental concern in connection with the Site.

5.15 Freedom of Information Law Letter Responses

FOIL letters were submitted to the USEPA, NYSDEC, NYCDEP, NYCDOH, NYCOER, FDNY, and NYCLPC. In addition, the NYCDOB BIS and NYCDOF ACRIS Internet databases were consulted in reference to the Site. No responses have been received by the date of issuance of this Phase I ESA from the USEPA, NYCDEP, NYCDOH, NYCOER and NYCLPC. If any additional pertinent environmental information is received from any of these agencies following the issuance

of this report, Roux Associates will provide a letter addendum to this report detailing this information. Information obtained from the Internet Databases and FOIL responses is included as Appendix H.

USEPA

The USEPA responded that the request was received and contact will be made when the file review is complete. In addition, Roux Associates conducted a search of the USEPA website, regarding Superfund Site Information, the Site address was not identified.

NYSDEC

The NYSDEC responded that no records exist for the Site.

In addition, Roux Associates accessed the Spills Database, Hazardous Waste Registry (HWR)/Environmental Remediation Database, Petroleum Bulk Storage (PBS) Database, and conducted a search for outstanding permits on the NYSDEC website. The Site was not included in searches of the above mentioned databases.

In addition, to the request for records regarding the Site address, a request was made for files regarding the following agency IDs and addresses (NYSDEC response detailed below):

- NYSDEC Spill No. 0803835 – Staten Island Borough, 10 Richmond Terrace. This property was identified in the EDR report and the spill was assigned for the tank test failure. A NYSDEC letter, dated August 11, 2008 informs the property owner (or representative) that action is required to prevent or stop any possible additional release; determine cause of tank failure; investigate/remediate soil/groundwater contamination. Although the spill is considered open/active, this spill is not identified as an environmental concern in connection with the Site.

- NYSDEC PBS No. 2-216992 – Staten Island Borough, 10 Richmond Terrace. According to the NYSDEC records, the property utilizes one – 10,000 gallon no. 2 fuel oil single walled steel AST. One – 10,000 gallon no. 2 fuel oil single walled steel UST was closed-in-place on June 4, 2012. Although the above mentioned spill for this property is considered open/active, this spill is not identified as an environmental concern in connection with the Site.

- NYSDEC PBS No. 2-604284 – St. George Post Office, 45 Bay Street. According to the NYSDEC records, the property utilizes one – 6,000 gallon no. 2 fuel oil single walled fiberglass coated steel UST. One – 6,000 gallon no. 2 fuel oil single walled steel UST was closed and removed on November 1, 1999.

- NYSDEC PBS No. 2-607585 – Staten Island Ferry, St. George Ferry Terminal, 1 Bay Street. This property is located directly east and downgradient from the Site. According to the NYSDEC records, the property utilizes:
  - one – 10,000 gallon No. 2 fuel oil single walled steel AST
  - one – 4,000 gallon diesel single walled steel AST
  - one – 4,000 gallon lube oil single walled steel AST
  - one – 5,000 gallon lube oil single walled steel AST
  - one – 275 gallon diesel single walled steel AST
  - one – 500 gallon diesel single walled steel AST
  - one – 1,000 gallon No. 2 fuel oil single walled steel AST
  - one – 5,000 gallon waste oil single walled steel AST
  - one – 2,000 gallon waste oil single walled steel AST
  - one – 20,000 gallon No. 2 fuel oil double walled fiberglass UST

  The NYSDEC information indicates that the ASTs are positioned with in diking containment with an impermeable barrier. One – 2,000 gallon and two – 140 gallon ASTs were closed and removed on December 22, 2011. This property was identified in the EDR report is identified as an environmental concern.

NYCDEP

The NYCDEP responded that the request was received and contact will be made when the file review is complete.

NYCDOH

The NYCDOH responded that the request was received and contact will be made when the file review is complete.

NYCOER

The NYCOER responded that the request was received and contact will be made when the file review is complete.

FDNY

The FDNY responded indicating that no existing or removed fuel oil or motor oil tanks have been found in connection with Site.

NYCLPC

The NYCLPC responded and supplied documents referencing a public hearing held by the LPC on December 11, 1979. The hearing was held to propose the designation of the Old Administration Building (third District U.S. Lighthouse Depot), also designated as Building No. 7 to be a landmark site. The extensive history of the Site building is presented.

NYCDOB BIS and NYCDOF ACRIS

The NYCDOF ACRIS and NYCDOB BIS Internet databases were reviewed for the Site in reference to property transfers or other pertinent information regarding the Site.

The Site was not identified during a search of the NYCDOF ACRIS by NYC tax map information, Block 1, Lot 60.

According to the review of the NYCDOB BIS, no Certificates of Occupancy (C/Os) were available for review. Several complaints regarding construction and scaffolding were issued and have since been resolved. No information regarding elevators; previously issued permits; plumbing work; boiler records; past actions regarding gasoline tanks (typically labeled “GT”) or fuel oil burner/heating system application (labeled “FO”) were available for review.

6.0 SITE RECONNAISSANCE

The findings of the Site reconnaissance conducted on January 3, 2013 are discussed below. The Site is located at the east side of Bay Street, just south of the Staten Island Ferry Terminal in the Borough of Staten Island and City of Manhattan. The Site is located in an area of mixed property usage that includes residential and non-residential (commercial, community facility, park, light-industrial, government buildings).

The Site is approximately three acres, improved with four buildings and six underground vaults built into the hillside. The Site buildings (previously designated as Building Nos. 5 through 8) were identified as being vacant on the 1992 Sanborn fire insurance map. The eastern part of the Site is approximately 10 feet above mean sea leave and the western part is approximately 50 ft above mean sea level. A retaining wall is present west of the Site building, which is where the entrances to the vaults are located. The vaults extend westward, abutting the Saint George Tunnel, a right-of-way of the Metropolitan Transportation Authority (MTA) Staten Island Railway that runs beneath the Site on a north-south axis.

At the time of the Site reconnaissance, the Site buildings were vacant and are deemed unsafe to enter. Entry to the buildings was limited to the foyers of each building and one or two adjacent rooms. The ceilings and walls were in poor condition and were crumbling. Cracks and missing bricks were noted on the exterior of the buildings. The doors to the vaults were open.

6.1 Utilities

Natural gas connection was noted along Borough Plaza and Bay Street.

6.2 Hazardous Substances

Several empty drums were noted in the vaults. It appears the drums were used to make fires. The Site buildings were not filly accessed to confirm the presence of or inspect elevators.

6.3 Storage Tanks

No information regarding storage tanks was noted and no evidence of USTs or ASTs was observed during the Site reconnaissance. According to a review of the EDR report and the NYSDEC bulk storage database, no tanks were historically registered to the Site addresses.

The NYSDEC responded that no files exist for the Site. The FDNY responded that no existing or removed fuel oil or motor oil tanks have been found in connection with Site.

6.4 Polychlorinated Biphenyls

One aboveground transformer, positioned on a concrete pad, was observed in the northwest corner of the Site, along Bay Street. No identification was posted to determine the possible presence of PCBs. The concrete pad was inspected and no leaks surrounding the transformer were noted. The exact date of installation of the transformer and if it contains PCBs was not known. No other evidence of aboveground or subsurface electric utility transformers, vaults or manholes that may have PCB-containing equipment were observed.

6.5 Staining and Stressed Vegetation

A majority of the Site is vegetated; no stressed vegetation or staining was observed during the Site Reconnaissance.

6.6 Drains and Sumps

No drains or sumps were noted at the Site. A culvert pipe was noted in the vegetated area south of Building No. 8. The source of the pipe could not be confirmed, but appeared to be heading toward the Post Office.

6.7 Solid Waste

No solid waste is currently generated at the Site.

6.8 Wastewater

Based on previous reports, wastewater from the Site buildings would be directed to the municipal sewer.

6.9 Wells

Potable water in the area of the Site is provided by the municipal water distribution system and obtained from upstate reservoirs.

7.0 INTERVIEWS AND USER-PROVIDED INFORMATION

Roux Associates incorporated interviews conducted with the User to complete this Phase I ESA. Information obtained from this source was detailed throughout this report in various sections, as appropriate. Pertinent findings from these sources are summarized in the following sections.

7.1 Interviews

Roux Associates contacted the following individuals regarding the Site during the completion of this Phase I ESA:

- Interview conducted on January 3, 2013 with Mr. Mike Heinz and Mr. Darrell Peterson (Key Site Representatives).

Findings from the interviews were summarized in appropriate sections of this document.

7.2 User Questionnaire

Roux Associates provided a questionnaire to Mr. Jack Powers (Site Owner Representative), regarding information for the Site; no response received at the time of this Phase I ESA.

8.0 FINDINGS AND CONCLUSIONS

Based on the information gathered as a result of the Phase I ESA process, Roux Associates has not identified any RECs in connection with the Site.

Although not technically defined as RECs, the following is a list of potential environmental concerns at the Site that could potentially impact subsurface conditions at the Site:

- Information suggests that the Site is most likely underlain by historical urban fill material from an unknown origin.

Although considered out of scope, the following environmental issues were reviewed in previous environmental reports and warrant attention, if not already addressed:

- According to a previous asbestos containing material (ACM) and lead-based paint (LBP) surveys, ACM and LBP were pervasive throughout Building Nos. 5, 6, 7, and 8. An abatement plan is required prior to renovation of the buildings.

Roux Associates has identified the following data gaps in the information developed as part of the inquiry that affect the ability of the environmental professional to identify conditions indicative of releases at the Site:

- Pending response to FOIL requests from the USEPA, the NYCDEP; the NYCDOH and the NYCOER. If any additional pertinent information is obtained from responses to outstanding FOIL requests, Roux Associates will prepare a letter addendum summarizing these findings.

Please note that although lack of record sources listed above is considered a data gap, it is not considered a material limitation for the completion of this Phase I ESA report.

Based on the results of this Phase I ESA and the fact that no significant Site conditions and project development plans have changed since the 2007 Phase II ESA, an additional subsurface investigation is not recommended at this time. In the event that Site conditions change or the proposed development changes, Roux Associate will evaluate the need for an additional subsurface investigation.

9.0 REPORT ASSUMPTIONS AND LIMITATIONS

This Phase I ESA Report, including the exhibits attached hereto, describes the results of Roux Associates' initial investigation to identify the potential presence of RECs involving or affecting the Site in accordance with ASTM E1527-05. This Phase I ESA was conducted by Roux Associates in accordance with the regulatory requirements for conducting AAI as set forth in the USEPA AAI Rule, at 40 CFR Part 312. Specifically, the preamble to the AAI Rule states:

> "*In today's final rule, EPA is referencing the standards and practices developed by ASTM International and known as Standard E1527-05 (entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process") and recognizing the E1527-05 standard as consistent with today's final rule. The Agency determined that this voluntary consensus standard is consistent with today's final rule and is compliant with the statutory criteria for all appropriate inquiries. Persons conducting all appropriate inquiries may use the procedures included in the ASTM E1527-05 standard to comply with today's final rule* [1]."

One of the requirements that a person acquiring real property must meet in order to qualify for either the innocent landowner, contiguous owner, or bona fide prospective purchaser (collectively hereinafter "Prospective Purchaser") defense to liability under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), is that person must conduct all appropriate inquiry in conformance with the AAI Rule (or the ASTM E1527-05) prior to acquisition of the property 5 Bay Street has acknowledged that, under the AAI Rule, Roux Associates' performance of the Phase I ESA in accordance with ASTM E1527-05 will not alone result in 5 Bay Street satisfying all requirements of the AAI Rule and provide a defense to CERCLA liability.

Five (5) Bay Street has acknowledged that the AAI Rule also requires that the Prospective Purchaser undertake certain additional inquiries and post-acquisition activities to satisfy the CERCLA AAI requirements. **ACCORDINGLY, ROUX ASSOCIATES MAKES NO GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THIS PHASE I ESA, INCLUDING WITHOUT LIMITATION, ANY WARRANTY THAT THIS PHASE I ESA WILL IN FACT QUALIFY CLIENT FOR A DEFENSE TO CERCLA LIABILITY.**

---

[1] Federal Register: November 1, 2005 (Volume 70, Number 210) Page 66081.

Roux Associates has performed this Phase I ESA in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Professional judgments expressed herein are based on the facts currently available to Roux Associates.

The AAI Rule requires, and the conclusions and recommendations stated herein, represent the application of a variety of engineering and technical disciplines to material facts and conditions associated with the Site. As such, these conclusions and recommendations are based on subjective interpretations and the exercise of discretion. Many of these facts and conditions are subject to change over time. Accordingly, the conclusions and recommendations must be considered within this context.

Five (5) Bay Street has agreed that Roux Associates shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the Phase I ESA was performed. To the extent practicable, Roux Associates has identified data gaps and has evaluated the potential significance of such data gaps. Recommendations to address those data gaps are presented herein and are based on the data available at the time of the performance of the Phase I ESA. Implementation of the recommendations may not fully address the data gaps as the information obtained from execution of those recommendations may alter or modify the interpretation of the site conditions and conclusions regarding the data gaps.

It should be noted that Roux Associates has not conducted any intrusive activities on the Site and is relying on information presented by others, often in preliminary, draft, or verbal form. By referencing this information, Roux Associates does not accept responsibility for the accuracy of the underlying data, sampling methods, laboratory analysis, or documentation.

This Phase I ESA Report should not be considered a legal interpretation of existing environmental laws and regulations. The Phase I ESA was conducted with a reasonable degree of inquiry to identify significant RECs, but uncertainty is not eliminated. No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The Phase I ESA process is intended to reduce, but not eliminate, the uncertainty involved with identifying RECs.

This Phase I ESA Report is not an appraisal or value judgment of the Site. 5 Bay Street has agreed that Roux Associates shall not be liable for any use of the Phase I ESA Report as an appraisal or value judgment of the Site.

The Phase I ESA Report has been prepared for the exclusive use of 5 Bay Street for specific application to the Site covered by the Phase I ESA Report. 5 Bay Street has agreed that any third-party use of this Phase I ESA Report is the sole responsibility and at the sole liability of 5 Bay Street.

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; and

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

Respectfully submitted,

Joseph P. Gavin
Project Hydrogeologist

Sin Senh
Principal Hydrogeologist/
Vice President

10.0 REFERENCES

American Society for Testing and Materials, 2005. ASTM Standards on Environmental Site Assessments for Commercial Real Estate. Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process. ASTM E 1527-05, November 1, 2005.

Environmental Data Resources, 2012. Aerial Photographs, City Directory Abstract, Database Report, Radius Maps, Sanborn Maps, and Topographic Maps, December 17, 18 and 22, 2012.

Gratacap, Louis, 1909. Geology of the City of New York. American Museum of Natural History. Henry Holt & Co., 1909.

Heinz, Mike, 2013. Key Site Representative. Personal Interview with Joseph Gavin, Project Hydrogeologist, January 3, 2013.

Peterson, Darrell 2013. Key Site Representative. Personal Interview with Joseph Gavin, Project Hydrogeologist, January 3, 2013.

Soren, Julian, 1988. Geologic and Geohydrologic Reconnaissance of Staten Island, New York. U.S. Geological Survey Water Resources Investigations Report 87-4048. Prepared in Cooperation with the New York State Department of Environmental Conservation. Syosset, New York, 1988.

United States Geological Survey (U.S.G.S.), 1981 (revised 1967). 7.5 Minute Topographic Map, Jersey City, New Jersey Quadrangle.

QUADRANGLE LOCATION

N

0 2000'

SOURCE:
USGS; 1995, Jersey City, NJ-NY
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:
TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 09JAN13	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr.: J.G.	Project No.: 1637.0001Y	
File: 1637.0001Y106.01.CDR		

1637Y/0001Y/106/1637.0001Y106.01.CDR

LEGEND

Property line (approximate)

Footprint of former dwelling

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.

N

100' 0 100'

Title:

SITE LAYOUT AND SURROUNDING PROPERTIES

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 11JAN13	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr.: J.G.	Project No.: 1637.0001Y	
File: 1637.0001Y106.02.CDR		

1637Y/0001Y/106/1637.0001Y106.02.CDR

APPENDIX A

Qualifications of
Key Project Personnel

ROUX

Professional Profile

Joseph P. Gavin
Project Hydrogeologist

Technical Specialties:
Phase I / Phase II Environmental Site Assessments; Petroleum Bulk Storage (PBS) compliance programs; site investigations, underground storage tank (UST) assessments, and remedial oversight at residential properties, major chain retail stations and commercial / industrial facilities.

Experience Summary:
Seven years of experience: Project Hydrogeologist with Roux Associates, Inc.; Geologist, PBS Compliance Manager, and Environmental Technician with C2G Environmental Consultants, LLC.

Credentials:
M.S. in Geology; City University of New York, Brooklyn College, Brooklyn, New York; anticipated May 2013
B.A. in Environmental Science with Geology Concentration; City University of New York, Queens College, Flushing New York, 2003
OSHA 40-hour HAZWOPER Training
OSHA 8-HOUR Refresher Training
AMTRAK Contractor Safety and Security Training

Key Projects

- PBS Compliance Audit responsible for managing and conducting a multi-million dollar PBS Compliance Audit Program, under supervision of the New York State Department of Environmental Conservation (NYSDEC), at over 400 facilities throughout New York State for Getty Petroleum Marketing, Inc. (GPMI), OK Petroleum, Prestige Petroleum, Bottini Fuels. Included all scheduling, site inspections, updates to PBS tank registrations to NYSDEC, Rockland County Department of Health (RCDOH), Westchester County Department of Health (WCDH), Nassau County Department of Health (NCDH), Suffolk County Department of Health Services (SCDHS), compliance issue tracking, and addressing regulatory and client inquiries.
- PBS Compliance Manager responsible for managing and conducting Major Oil Storage Facility (MOSF) Compliance Audits for GPMI locations in New York to acquire and/or maintain MOSF license registration.
- Provide PBS compliance training seminars and compliance issue review sessions for GPMI employees biannually.
- Managed and performed PBS Compliance Audits for over 50 non-retail properties (i.e., local municipalities, commercial and industrial properties) throughout New York.
- Performed Phase I Environmental Site Assessments and as part of due diligence in connection with property transfers for the Long Island and Hudson Valley, New York region. A majority of properties included MOSF Terminals, commercial properties, former retail gasoline stations, and office buildings.
- Field manager responsible for Phase II Site Assessment and preparation of investigation reports for soil boring installation, monitoring well installation and corresponding soil / groundwater sampling. Projects include field oversight for retail gasoline station UST replacement for multiple GPMI locations; quarterly well sampling programs.
- Staff Geologist responsible for managing field activities associated with site investigations and UST removal and closure at over 30 residential properties under the NYSDEC spills program. Responsibilities also included preparation of reports and regulatory agency / client correspondence.
- Managed performed environmental services to achieve and/or maintain SPDES permit requirements for multiple MOSF terminals in the Hudson Valley, New York area.
- Provide field oversight for Allstate Insurance Company policy holders during contractor UST removal and spill remediation projects for over 40 New York residential locations.
- Emergency spill remediation services for Central Hudson in the Hudson Valley, New York area following Hurricane Irene.

Sin Senh
Principal Hydrogeologist

Technical Specialties:
Specialties include ERD and ISCO technologies for chlorinated sites, evaluation of environmental discharge to water bodies, degradation studies of CVOCs, analytical and numerical groundwater and surface water flow and contaminant transport modeling for hazardous waste sites, multi-phase (petroleum free-product) finite-element modeling, dual-phase recovery well design, landfills and remedial design of pump and treat systems, GIS database management, aquifer testing, and 3-D computerized visualization.

Experience Summary:
Twelve years of experience: Principal, Senior, Project, and Staff Hydrogeologist with Roux Associates, Inc., Hydrogeologist with the South West Florida Water Management District.

Credentials:
M.A., Hydrogeology, Binghamton University 2005.
B.S., Geology Binghamton University 1997.
B.A., Environmental Studies, Binghamton University 1997.

Professional Affiliations:
National Ground Water Association – member
American Institute of Professional Geologists – member

Publication:
Large-Scale Enhanced Reductive Dechlorination for the Remediation of Chlorinated Volatile Organic Compounds, Kwan, W. P., Senh, S. and G. Netuschil, Proceedings of The Seventh International Conference on Remediation of Chlorinated and Recalcitrant Compounds, In Publication, 2010.

Key Projects:

- Principal-in-Charge for the largest redevelopment project in New York City (over $4.5 billion). Project includes Phase I and Phase II ESAs (investigation of soil, groundwater, and soil vapor) at over 75 properties; Construction support for excavation of one million cubic yards of soil including implementing an in-situ waste characterization program; Environmental support for demolition, asbestos and lead abatement, site remediation using In-Situ Chemical Oxidation, and relocating of an active 9-acre 100-year old railyard; Property acquisition support throughout the project (7 city blocks); and Agency support for NYSDEC, NYCDEP, MTA (LIRR/NYCT), and ESDC. The environmental data was used as an integral component of the New York State Environmental Quality Review Act (SEQRA) final Environmental Impact Statement (EIS). The project will encompass 336,000 sq ft of office space, 6.4 million sq ft of residential space, an 18,000 seat sports and entertainment venue - the Barclays Center (future home of the Nets professional basketball team) - 247,000 sq ft of retail space, a 165,000-square-foot hotel, and over 8 acres of intricately designed publicly accessible open space.

- Principal-in-Charge of a remediation project at a former 18-acre television manufacturing facility in Taoyuan, Taiwan. Project included coordination of a soil and groundwater investigation using Taiwanese consultants and subcontractors. Investigation included using a MIP probe to delineate a DNAPL source for a 9,000-ft dissolved PCE and TCE plume, installation of over 65 monitoring wells, design and management of two 24-hour pump tests, implementation of an Enhanced Reductive Dechlorination (ERD) pilot study using HRC/molasses injections and an In-Situ Chemical Oxidation (ISCO) pilot study using potassium permanganate, tracer studies, implementation and design of a full-scale ERD remedial system that includes over 125 injection wells and a groundwater re-circulation system, database management, and numerous report preparation including site investigation summary reports and remediation work plans.

- Principal-in-Charge of a $125MM redevelopment project in Flushing, NY. Project involves coordination the NYC OER for the E-designation program (noise and hazardous materials) and NYC Brownfield Cleanup Program; Phase II ESA; in situ waste characterization and excavation support for 40,000 cubic yards of soil to seek Track I (Unrestricted use) clean goals. Project will receive a Brownfield Incentive Grant once excavation is completed and will receive a NYC Green Property Certification.

- Principal-in Charge of a redevelopment project in Secaucus, NJ where an 800,000 square foot data center will be constructed over a closed solid waste landfill. Project included health and safety oversight, air monitoring, in situ waste characterization of 15,000 cubic yards of soil, and excavation oversight.

- Principal-in-Charge and consulting expert for a retail property owner on Long Island. The property is a NYSDEC Class 2 Inactive Hazardous Waste Disposal site where the primary contaminants are chlorinated solvents in soil and groundwater and is being evaluated by the USEPA as a NPL-listed site. Investigations revealed DNAPL-like concentrations in vadose soils with concentrations over 3.5 million ppb and up to 300,000 ppb in groundwater of PCE.

- Principal-inCharge for the closure and abandonment of 53 Class V drywell structures at commercial warehouse facility in Syosset, New York. The drywell abandonment project was conducted in accordance with the USEPA Underground Injection Control Program as administered by Nassau County Department of Health (NCDOH). The project required coordination with the client and their developer, the NCDOH, the USEPA, the local union representatives, Nassau County Department of Public Works, and subcontractors in order to complete the job. Obtained a No Further Action from NCDOH and USEPA through work plans, memoranda and summary reports.

- Principal-in-Charge of a redevelopment project in Coney Island, NY. Project involved closure of a fuel oil spill with the NYSDEC which entailed demolition of a building in order to chase the contamination in soil and excavation of all impacted soils. The site is part of a large project (over $2 billion) associated with the redevelopment of area Coney Island area.

- Principal-in-Charge of a redevelopment site in the Bronx, NY for a private developer who plans on constructing a multi-use living center including a public school, retail, commericial, and residential. Project responsiblities include Phase I and II ESA, community air monitoring, health and safety monitoring, soil disposal, and design and installation of a sub-slab depressurization system to mitigate vapors emanaing from groundwater. The site is divided in half by an activce NYC transit subway line as it transitions from underground to aboveground.

- Principal-in-Charge for the remediation and redevelopment of a former asphalt manufacturing facility in Flushing, NY.

Sin Senh
Principal Hydrogeologist

Project included closure of multiple NYSDEC spill numbers, Phase II ESA, closure of a 10,000-gal UST, hot spot soil excavation, coordination with NYSDEC Tidal Wetlands staff when working within tidal wetland buffer zone, and re-zoning of the property for lease to a metals recycling contractor.

- Consulting expert and fact witness for a $200MM-plus class action case against a Fortune-500 client for groundwater contamination at a former television manufacturing facility in Taiwan. Evaluated historic usage of carbon tetrachloide, PCE, and TCE as cleaners during a 30-yr span, impacts of former TCE stills, chemical fires, and effects of break-down products in groundwater.
- Consulting expert for an insurance litigation claim (on behalf of defendant) where a developer who purchased the property in NYC to build a 10-story residential tower and claimed environmental damages against the defendant for its prior use of the propoerty as a gas station. Based on my expert report, the claim settle for only incremental costs related to environmental issues ($300K) as opposed to the total construction costs ($1.3MM) related to dewatering, disposal of soil, and vapor mitigation.
- Primary modeler for the largest subsurface free-product plume in North America (Brooklyn, NY). Constructed a groundwater flow and multi-phase flow model using BIOSLURP™ to estimate total free-product volume and recovery time and a three-dimensional groundwater flow model using MODFLOW. Provided alternative remedial strategies to expedite recovery effort and improvements to maintain hydraulic containment and prevent discharge to adjacent creek. Performed two constant-rate pump tests and hydrocarbon characterization sampling to evaluate mobility of free-product plume. Modeling results were used to design and installed additional thirteen 12-inch diameter stainless steel recovery wells. Total volume recovered to date is over 10 million gallons free-product.
- Primary modeler and contaminant transport assessment at a bulk petroleum storage facility in Buffalo, New York. Project included assessment of the site's environmental discharge to the Buffalo River, soil investigations, GIS database management and computerized mapping. Constructed a MODFLOW groundwater flow model to evaluate hydraulic containment to the river and a multi-phase flow model using BIOSLURP™ to estimate total free-product volume and recovery time. Provided alternative remedial strategies to expedite recovery effort. Performed three 24-hour constant-rate pump tests and hydrocarbon characterization sampling to evaluate mobility of free-product plume.
- Primary groundwater flow and contaminant fate and transport modeler for a Phase II RI/FS at USEPA NPL Superfund site in New Jersey. Constructed a 12-layer MODFLOW model to simulate groundwater flow and MT3D transport model of three contaminant plumes (TCE, Benzene, and BCEE) resulting from former petroleum lagoon and acid washing facility. Performed evaluation of discharge from groundwater to surface water bodies (swamps, creeks, ponds, and lakes), calculation of bio-degradation rates of TCE and Benzene based on microbial studies. Participated in installation of monitoring wells and soil borings, soil sampling, conducting a 72-hour constant rate pump test and hydrogeologic interpretation of site.
- Project Manager for a 7.2-acre site redevelopment project in Rego Park, New York. Project involved Phase II ESAs, groundwater monitoring, and excavation support for 258,000 cubic yards of soil. Developed a unique in situ waste characterization plan which included the collection of over 1,000 soil samples, management and review of several thousand records of analytical data, preparation of various graphics delineating the Site by horizontal and vertical grids of hazardous and non-hazardous soil, preparation of state and federal applications, and documentation of the fate and transport of hazardous and non-hazardous soils.
- Project Manager for the Delaware City PVC Superfund Site. Project included soil/groundwater investigations at the polyvinyl chloride manufacturing facility, construction of flow model for design of additional pump and treat system, annual groundwater sampling of over 85 wells to assess the effectiveness of existing pump and treat system, and performing aquifer pump test on newly installed wells, and annual reporting to the USEPA.
- Project Manager for a former fibers manufacturing facility undergoing RCRA Corrective Action in Williamsburg, Virginia. Managed multi-person field crew who installed multiple monitoring wells, gauged and sampled groundwater, and prepared reports for VDEQ approval. Segragated site into multiple parcels for property transaction and prepared closure reports for each parcel as part of the property divestment.
- Project Manager at a former petroleum bulk storage terminal in Oceanside, NY. Responsibilities included installation of 20-plus monitoring wells, 6 pumping wells, slug tests and constant rate pump test, design and installation of a pump and treat system, and performance monitoring of the full scale system for 3 years after which was shutdown due to approval from the NYSDEC for reaching cleanup goals.
- Project Manager of an ISRA site in New Jersey where groundwater is impacted by pesticides that threaten public water-supply wells. Responsibilities included management of a multi-year quarterly groundwater sampling program, installation of 400-ft deep monitoring wells, and performed a 12-hour 350 gpm pump test to determine capture zone for the on-site pump and treat system.
- Project Manager of a multi-year quarterly monitoring and reporting program at a municipal landfill complex on Long Island, New York. The complex consists of multiple landfills, leachate containment systems and leachate holding tanks. Project involves collection of water level and water-quality data from dozens of monitoring wells, sampling of leachate containment systems, coordination with contract laboratory, data validation, data evaluation and report preparation.

APPENDIX B

Federal and State Environmental Databases

(Provided on CD in Bound Copy)

Lighthouse Project
5 Bay Street
Staten Island, NY 10301

Inquiry Number: 3479134.2s
December 17, 2012

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	430
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-15

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 OF 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.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5 BAY STREET
STATEN ISLAND, NY 10301

COORDINATES

Latitude (North):	40.6419000 - 40˚ 38' 30.84''
Longitude (West):	74.0751000 - 74˚ 4' 30.36''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	578207.6
UTM Y (Meters):	4499205.5
Elevation:	36 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
PIER 5 BAY STREET LANDING PIER 5 BAY STREET LANDING STATEN ISLAND, NY	ERNS	N/A
PIER #5 BAY ST LANDING PIER #5 BAY ST LANDING STATEN ISLAND, NY	NY Spills Date Closed: 5/13/1993 NY Hist Spills	N/A

EXECUTIVE SUMMARY

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

NPL ..... National Priority 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

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
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 RCRA generators list

RCRA-SQG ..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

State- and tribal - equivalent CERCLIS

NJ SHWS ..... Known Contaminated Sites in New Jersey
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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY TANKS..... Storage Tank Faciliy Listing
NJ UST..... Underground Storage Tank Data
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
NY BROWNFIELDS..... Brownfields Site List
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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
NY SWTIRE..... Registered Waste Tire Storage & Facility List
NY SWRCY..... Registered Recycling 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
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

EXECUTIVE SUMMARY

NY LIENS ..... Spill Liens Information
NJ LIENS ..... Environmental LIENS

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
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
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
NY HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
NY UIC ..... Underground Injection Control Wells
NJ UIC ..... Underground Injection Wells Database
NY DRYCLEANERS ..... Registered Drycleaners
NJ DRYCLEANERS ..... Drycleaner List
NY NPDES ..... State Pollutant Discharge Elimination System
NJ NPDES ..... New Jersey Pollutant Discharge Elimination System Dischargers
NY AIRS ..... Air Emissions Data
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
PCB TRANSFORMER ..... PCB Transformer Registration Database
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
PRP ..... Potentially Responsible Parties
2020 COR ACTION ..... 2020 Corrective Action Program List
NJ COAL ASH ..... Coal Ash Listing
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
COAL ASH DOE ..... Steam-Electric Plant Operation Data
NJ FINANCIAL ASSURANCE Financial Assurance Information Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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

EXECUTIVE SUMMARY

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 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 09/11/2012 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYSDOT BIN 1067821	***I-278 WB OVER MOSEL AVE***	***SSW 1/8 - 1/4 (0.233 mi.)***	***M88***	***345***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT - STATEN ISLAND FERRY	***1 BAY ST - MAINT BLDG***	***N 0 - 1/8 (0.009 mi.)***	***A7***	***29***
NYCDOT ST GEORGE STATEN ISLAND	***ST GEORGE S I FERRY TER***	***N 0 - 1/8 (0.026 mi.)***	***A24***	***96***

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 09/11/2012 has revealed that there are 6 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - BAY ST CP	***15-60 BAY ST***	***WSW 0 - 1/8 (0.004 mi.)***	***A3***	***10***
NYSDOT BRIDGE BIN 1067011&2	STATEN ISLAND EXPWY WB	SSW 1/8 - 1/4 (0.232 mi.)	M87	343

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC DEPT OF TRANSPORTATION	***FERRY MAINTENANCE FACIL***	***NNW 0 - 1/8 (0.019 mi.)***	***A14***	***64***
NYCDOT - ST GEORGE TERMINAL	***RICHMOND TER & BAY ST***	***NNW 0 - 1/8 (0.019 mi.)***	***A16***	***73***
RICHMOND CHLORINATION	***MURRAY HULBERT ST***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K68***	***268***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC PARKS & RECREATION - LYON	20 VICTORY BLVD	SSW 1/8 - 1/4 (0.226 mi.)	M83	331

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 11/19/2012 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARCEL P15 - FRONT STREET	44 CANAL STREET	S 1/2 - 1 (0.958 mi.)	R110	427

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 08/20/2012 has revealed that there are 22 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST GEORGE FERRY TERMINAL Date Closed: 7/11/1995 Date Closed: 7/11/1995 **Additional key fields are available in the Map Findings section*	***ST GEORGE FERRY TERMINA***	***W 0 - 1/8 (0.014 mi.)***	***A11***	***53***
RICHMOND TERR.& BAY ST/SI Date Closed: 12/26/1987	***RICHMOND TERRACE & BAY***	***NW 0 - 1/8 (0.016 mi.)***	***A12***	***58***
ALLIED 60 BAY STREET LLC Date Closed: 7/27/2004 Date Closed: 7/27/2004 **Additional key fields are available in the Map Findings section*	***60 BAY STREET***	***SSW 0 - 1/8 (0.047 mi.)***	***B32***	***139***
STATEN ISLAND SAVINGS BAN Date Closed: 11/28/2005	***15 HYATT STREET***	***W 0 - 1/8 (0.082 mi.)***	***D41***	***173***
130 STUYVESANT PLACE Date Closed: 2/6/1998 Date Closed: 8/3/1992	***130 STUYVESANT PLACE***	***NW 0 - 1/8 (0.117 mi.)***	***G52***	***204***
120 STAVESENT PL/S.I. Date Closed: 3/6/2003	***120 STAVESENT PLACE***	***NW 0 - 1/8 (0.121 mi.)***	***G54***	***214***
RIVINGTON ASSOCIATES Date Closed: 4/21/2004 Date Closed: 1/20/2004	299 SAINT MARKS PLACE	WNW 1/8 - 1/4 (0.174 mi.)	I61	239

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
50 WALL STREET	***50 WALL STREET***	***NW 1/8 - 1/4 (0.211 mi.)***	***80***	***319***
Date Closed: 3/16/2006				
Not reported	***157 DANIEL LOU TERRACE***	***WSW 1/8 - 1/4 (0.239 mi.)***	***O91***	***357***
FRESHKILLS SUBSTATION	***44 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.242 mi.)***	***N95***	***368***
Date Closed: 5/9/1996				
L61 VICTORY BLVD	***61 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.249 mi.)***	***98***	***384***
Date Closed: 12/10/1994				
CLOSED-LACKOF RECENT INFO	***60 HAMILTON AVE***	***NW 1/4 - 1/2 (0.311 mi.)***	***P101***	***390***
Date Closed: 3/5/2003				
165 ST MARKS PL	***165 ST MARKS PL***	***NW 1/4 - 1/2 (0.412 mi.)***	***105***	***410***
Date Closed: 7/2/2008				
52 CRESCENT AVENUE	***52 CRESCENT AVENUE***	***WNW 1/4 - 1/2 (0.447 mi.)***	***106***	***414***
Date Closed: 3/8/1994				
48 BROOK STREET	***48 BROOK STREET***	***SW 1/4 - 1/2 (0.455 mi.)***	***Q107***	***416***
Date Closed: 4/10/1994				
Date Closed: 4/10/1994				
**Additional key fields are available in the Map Findings section*				
180 VICTORY BLVD. BROOK S	***180 VICTORY BLVD***	***SW 1/4 - 1/2 (0.462 mi.)***	***Q108***	***421***
Date Closed: 2/19/1987				

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY TERMI	***1 BAY STREET***	***N 0 - 1/8 (0.009 mi.)***	***A4***	***15***
Date Closed: 10/6/2008				
STATIN ISLAND FERRY TERM	***1 RICHMOND TERR***	***N 0 - 1/8 (0.026 mi.)***	***A28***	***124***
Date Closed: 12/5/1995				
NYC - STATEN ISLAND BOROUGH HA	***10 RICHMOND TER***	***NNW 0 - 1/8 (0.035 mi.)***	***A29***	***129***
Date Closed: 3/21/2011				
NYCPD 120TH PRECINT	***78 RICHMOND TERRACE***	***NNW 1/8 - 1/4 (0.204 mi.)***	***J74***	***291***
Date Closed: 1/6/1993				
CROMWELL CENTER	***PIER 6 - BAY ST/HANNAH***	***S 1/4 - 1/2 (0.306 mi.)***	***99***	***386***
STATEN ISLAND TRANSIT	***293 BAY ST***	***S 1/4 - 1/2 (0.401 mi.)***	***104***	***404***
Date Closed: 6/27/2008				
Date Closed: 6/27/2008				

NY HIST LTANKS: 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.

A review of the NY HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 19 NY HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST GEORGE FERRY TERMINAL	***ST GEORGE FERRY TERMINA***	***W 0 - 1/8 (0.014 mi.)***	***A11***	***53***
Date Closed: 07/11/95				
RICHMOND TERR.& BAY ST/SI	***RICHMOND TERRACE & BAY***	***NW 0 - 1/8 (0.016 mi.)***	***A12***	***58***
Date Closed: 12/26/87				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND SAVINGS BANK Date Closed: / /	***15 HYATT ST***	***W 0 - 1/8 (0.082 mi.)***	***D40***	***166***
STATEN ISLAND COLLEGE Date Closed: 02/06/98	130 STUYVESANT PLACE	NW 0 - 1/8 (0.117 mi.)	G51	202
130 STUYVESANT PLACE Date Closed: 08/03/92	***130 STUYVESANT PLACE***	***NW 0 - 1/8 (0.117 mi.)***	***G52***	***204***
120 STAVESENT PL/S.I. Date Closed: / /	***120 STAVESENT PLACE***	***NW 0 - 1/8 (0.121 mi.)***	***G54***	***214***
Not reported Date Closed: / /	***157 DANIEL LOU TERRACE***	***WSW 1/8 - 1/4 (0.239 mi.)***	***O91***	***357***
FRESHKILLS SUBSTATION Date Closed: 05/09/96	***44 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.242 mi.)***	***N95***	***368***
L61 VICTORY BLVD Date Closed: 12/10/94	***61 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.249 mi.)***	***98***	***384***
60 HAMILTON AVE/MELBROOK Date Closed: / /	60 HAMILTON AV	NW 1/4 - 1/2 (0.311 mi.)	P100	389
GULF GASOLINE Date Closed: / /	***149 VICTORY BLVD***	***SW 1/4 - 1/2 (0.399 mi.)***	***103***	***398***
52 CRESCENT AVENUE Date Closed: 03/08/94	***52 CRESCENT AVENUE***	***WNW 1/4 - 1/2 (0.447 mi.)***	***106***	***414***
48 BROOK STREET Date Closed: 04/10/94	***48 BROOK STREET***	***SW 1/4 - 1/2 (0.455 mi.)***	***Q107***	***416***
180 VICTORY BLVD. BROOK S Date Closed: 02/19/87	***180 VICTORY BLVD***	***SW 1/4 - 1/2 (0.462 mi.)***	***Q108***	***421***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY TERMI Date Closed: 12/05/95	1 RICHMOND TERRACE	N 0 - 1/8 (0.026 mi.)	A26	121
78 RICHMOND TERRACE Date Closed: 01/06/93	***78 RICHMOND TERRACE***	***NNW 1/8 - 1/4 (0.204 mi.)***	***J72***	***286***
CROMWELL CENTER Date Closed: / /	***PIER 6 - BAY ST/HANNAH***	***S 1/4 - 1/2 (0.306 mi.)***	***99***	***386***
CONTAMINATED SOIL Date Closed: / /	260 BAY ST	S 1/4 - 1/2 (0.344 mi.)	102	396
STATEN ISLAND TRANSIT Date Closed: / /	***293 BAY ST***	***S 1/4 - 1/2 (0.401 mi.)***	***104***	***404***

State and tribal registered storage tank lists

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 11/19/2012 has revealed that there are 14

EXECUTIVE SUMMARY

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST. GEORGE POST OFFICE	***45 BAY STREET***	***SSW 0 - 1/8 (0.020 mi.)***	***B20***	***85***
ALLIED 60 BAY STREET LLC	***60 BAY STREET***	***SSW 0 - 1/8 (0.047 mi.)***	***B32***	***139***
15 CENTRAL AVENUE	15 CENTRAL AVENUE	WSW 0 - 1/8 (0.067 mi.)	C39	164
STATEN ISLAND SAVINGS BANK	***15 HYATT ST***	***W 0 - 1/8 (0.082 mi.)***	***D40***	***166***
UNOCCUPIED	***152 STUYVESANT PLACE***	***NW 0 - 1/8 (0.100 mi.)***	***D46***	***188***
130 STUYVESANT PLACE	***130 STUYVESANT PLACE***	***NW 0 - 1/8 (0.117 mi.)***	***G52***	***204***
STUYVESANT BUSINESS CENTER, LL	***120 STUYVESANT PLACE***	***NW 1/8 - 1/4 (0.125 mi.)***	***G55***	***216***
GATEWAY ARMS/APARTMENT HOUSE	***285 SAINT MARKS PLACE***	***WNW 1/8 - 1/4 (0.191 mi.)***	***I63***	***251***
50 WALL STREET	***50 WALL STREET***	***NW 1/8 - 1/4 (0.211 mi.)***	***80***	***319***
157 DANIEL LOW TERRACE	***157 DANIEL LOW TERRACE***	***WSW 1/8 - 1/4 (0.239 mi.)***	***O92***	***362***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY	ST. GEORGE FERRY TERMIN	N 0 - 1/8 (0.009 mi.)	A5	24
BENEDICT REALTY CO	***36 RICHMOND TERR***	***NNW 1/8 - 1/4 (0.138 mi.)***	***H57***	***226***
BLOCK 2, LOT 20	***INTERSECTION RICHMOND T***	***NNW 1/8 - 1/4 (0.191 mi.)***	***J64***	***254***
120TH PRECINCT	78 RICHMOND TERRACE	NNW 1/8 - 1/4 (0.204 mi.)	J71	280

NY CBS UST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RICHMOND CHOLRINATION PLANT C/	***2 MURRAY HULBERT AVENUE***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K67***	***261***

NY MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY MOSF UST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT DIVISION OF FERRIES OIL	***ST. GEORGE FERRY TERMIN***	***NNE 1/8 - 1/4 (0.247 mi.)***	***97***	***375***

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 11/19/2012 has revealed that there are 12 NY AST sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIRTY BAY STREET CO., INC.	30 BAY STREET	SW 0 - 1/8 (0.013 mi.)	B10	51
ESTATE OF JACOB FISHER	***33 CENTRAL AVE***	***SW 0 - 1/8 (0.063 mi.)***	***C35***	***152***
BALKON REALTY CO., LP	350 ST. MARKS PLACE	WSW 0 - 1/8 (0.113 mi.)	F49	197
MC GREGOR ARMS REALTY CO	***115 STUYVESANT PL***	***NW 1/8 - 1/4 (0.136 mi.)***	***G56***	***222***
HARBOR GARDENS ASSOC	***100 STUYVESANT PLACE***	***NW 1/8 - 1/4 (0.164 mi.)***	***G58***	***229***
RESIDENTIAL APARTMENT BUILDING	***299 SAINT MARKS PLACE***	***WNW 1/8 - 1/4 (0.174 mi.)***	***I60***	***236***
RALPH R MCKEE VOC HS (R600)	290 ST. MARKS PLACE	WNW 1/8 - 1/4 (0.192 mi.)	I65	257
273 ST MARS PL	***273 SAINT MARKS PL***	***WNW 1/8 - 1/4 (0.206 mi.)***	***I76***	***304***
NYC BOARD OF EDUCATION PS 16 R	***80 MONROE STREET***	***WSW 1/8 - 1/4 (0.209 mi.)***	***L79***	***310***
100 BELMONT PLACE	***100 BELMONT PLACE***	***WNW 1/8 - 1/4 (0.228 mi.)***	***84***	***333***
FORT PLACE COOPERATIVE INC	***50 FORT PLACE***	***W 1/8 - 1/4 (0.238 mi.)***	***90***	***353***

Lower Elevation	Address	Direction / Distance	Map ID	Page
120TH PRECINCT	78 RICHMOND TERRACE	NNW 1/8 - 1/4 (0.204 mi.)	J75	299

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY CBS AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RICHMOND CHOLRINATION PLANT C/	***2 MURRAY HULBERT AVENUE***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K67***	***261***
JOSEPH H. LYONS POOL	***FOOT OF VICTORY BLVD. A***	***SSW 1/8 - 1/4 (0.245 mi.)***	***M96***	***373***

NY MOSF AST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the NY MOSF AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY MOSF AST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT DIVISION OF FERRIES OIL	***ST. GEORGE FERRY TERMIN***	***NNE 1/8 - 1/4 (0.247 mi.)***	***97***	***375***

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 11/19/2012 has revealed that there are 2 NY CBS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RICHMOND CHOLRINATION PLANT C/	***2 MURRAY HULBERT AVENUE***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K67***	***261***
JOSEPH H. LYONS POOL	***FOOT OF VICTORY BLVD. A***	***SSW 1/8 - 1/4 (0.245 mi.)***	***M96***	***373***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

NY DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the NY DEL SHWS list, as provided by EDR, and dated 11/19/2012 has revealed that there is 1 NY DEL SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARCEL P15 - FRONT STREET		S 1/2 - 1 (0.957 mi.)	R109	425

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 are 15 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ST. GEORGE POST OFFICE	***45 BAY STREET***	***SSW 0 - 1/8 (0.020 mi.)***	***B20***	***85***
ALLIED 60 BAY STREET LLC	***60 BAY STREET***	***SSW 0 - 1/8 (0.047 mi.)***	***B32***	***139***
15 CENTRAL AVENUE	15 CENTRAL AVENUE	WSW 0 - 1/8 (0.067 mi.)	C38	162
STATEN ISLAND SAVINGS BANK	***15 HYATT ST***	***W 0 - 1/8 (0.082 mi.)***	***D40***	***166***
UNOCCUPIED	***152 STUYVESANT PLACE***	***NW 0 - 1/8 (0.100 mi.)***	***D46***	***188***
130 STUYVESANT PLACE	***130 STUYVESANT PLACE***	***NW 0 - 1/8 (0.117 mi.)***	***G52***	***204***
STUYVESANT BUSINESS CENTER, LL	***120 STUYVESANT PLACE***	***NW 1/8 - 1/4 (0.125 mi.)***	***G55***	***216***
GATEWAY ARMS/APARTMENT HOUSE	***285 SAINT MARKS PLACE***	***WNW 1/8 - 1/4 (0.191 mi.)***	***I63***	***251***
50 WALL STREET	***50 WALL STREET***	***NW 1/8 - 1/4 (0.211 mi.)***	***80***	***319***
157 DANIEL LOW TERRACE	***157 DANIEL LOW TERRACE***	***WSW 1/8 - 1/4 (0.239 mi.)***	***O92***	***362***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ST GEORGE FERRY TERMINAL	BAY STREET / RICHMOND T	NNW 0 - 1/8 (0.019 mi.)	A15	71
BENEDICT REALTY CO	***36 RICHMOND TERR***	***NNW 1/8 - 1/4 (0.138 mi.)***	***H57***	***226***
BLOCK 2, LOT 20	***INTERSECTION RICHMOND T***	***NNW 1/8 - 1/4 (0.191 mi.)***	***J64***	***254***
120 PCT	78 RICHMOND TERRACE	NNW 1/8 - 1/4 (0.204 mi.)	J73	288
SNUG HARBOR CULTURAL CENTER	***100 RICHMOND TERRACE***	***NNW 1/8 - 1/4 (0.230 mi.)***	***J86***	***339***

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 08/20/2012 has revealed that there are

EXECUTIVE SUMMARY

11 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND COLLEGE	***50 BAY ST***	***SSW 0 - 1/8 (0.037 mi.)***	***B30***	***134***
Date Closed: 6/25/1996				
ALLIED 60 BAY STREET LLC	***60 BAY STREET***	***SSW 0 - 1/8 (0.047 mi.)***	***B32***	***139***
Date Closed: 2/20/2008				
Date Closed: 3/26/1998				
CONSTRUCTION SITE	26 CENTRAL AVE	WSW 0 - 1/8 (0.065 mi.)	C37	161
Date Closed: 2/26/2010				
STATEN ISLAND SAVINGS BAN	***15 HYATT STREET***	***W 0 - 1/8 (0.082 mi.)***	***D41***	***173***
Date Closed: 1/9/1996				
HARAN RESIDENCE	17 SLOSSON TERR	SSW 0 - 1/8 (0.090 mi.)	45	186

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY TERMI	***1 BAY STREET***	***N 0 - 1/8 (0.009 mi.)***	***A4***	***15***
Date Closed: 6/18/2004				
Date Closed: 1/11/2005				
**Additional key fields are available in the Map Findings section*				
STATEN ISLAND FERRY MAIN	***1 BAY ST PIER #1***	***N 0 - 1/8 (0.009 mi.)***	***A8***	***46***
Date Closed: 1/28/1998				
ST. GEORGE FERRY TERMINAL	***BAY ST & RICHMOND TERRA***	***NNW 0 - 1/8 (0.019 mi.)***	***A17***	***80***
Date Closed: 9/22/1994				
MANHOLE #37	BAY/RICHMOND TERRACE	NNW 0 - 1/8 (0.019 mi.)	A18	82
Date Closed: 12/27/2004				
ONE PINT CABLE OIL IN MANHOLE	RICHMOND TERRACE & BAY	NNW 0 - 1/8 (0.019 mi.)	A19	84
Date Closed: 2/20/2008				
STATIN ISLAND FERRY TERM	***1 RICHMOND TERR***	***N 0 - 1/8 (0.026 mi.)***	***A28***	***124***
Date Closed: 7/6/1995				
Date Closed: 6/9/1995				
**Additional key fields are available in the Map Findings section*				

NY Hist Spills: 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.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 9 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND COLLEGE	***50 BAY ST***	***SSW 0 - 1/8 (0.037 mi.)***	***B30***	***134***
ALLIED 60 BAY STREET LLC	***60 BAY STREET***	***SSW 0 - 1/8 (0.047 mi.)***	***B32***	***139***
STATEN ISLAND SAVINGS BAN	***15 HYATT STREET***	***W 0 - 1/8 (0.082 mi.)***	***D41***	***173***

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY MAIN	***1 BAY ST PIER #1***	***N 0 - 1/8 (0.009 mi.)***	***A8***	***46***
ST. GEORGE FERRY TERMINAL	***BAY ST & RICHMOND TERRA***	***NNW 0 - 1/8 (0.019 mi.)***	***A17***	***80***

Lower Elevation	Address	Direction / Distance	Map ID	Page
1 RICHMOND TERRACE	1 RICHMOND TERRACE	N 0 - 1/8 (0.026 mi.)	A23	95
STATEN ISLAND FERRY	1 RICHMOND TERR	N 0 - 1/8 (0.026 mi.)	A25	120
STATEN ISLAND FERRY TERM.	1 RICHMOAND TERRACE	N 0 - 1/8 (0.026 mi.)	A27	123
STATIN ISLAND FERRY TERM	***1 RICHMOND TERR***	***N 0 - 1/8 (0.026 mi.)***	***A28***	***124***

Other Ascertainable Records

RCRA-NonGen: 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 list, as provided by EDR, and dated 09/11/2012 has revealed that there are 13 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON ED - MH 7293	***60 BAY ST***	***SSW 0 - 1/8 (0.047 mi.)***	***B33***	***150***
COLLEGE OF STATEN ISLAND	***130 STUYVESENT PL***	***NW 0 - 1/8 (0.117 mi.)***	***G53***	***212***
NYC BD OF ED - PUBLIC SCHOOL 1	80 MONROE ST	WSW 1/8 - 1/4 (0.209 mi.)	L78	309
NYC SCA - PUBLIC SCHOOL 26R	***41-08 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.234 mi.)***	***N89***	***350***
NYCP&R - STATEN ISLAND NURSEY	38-08 VICTORY BLVD	SSW 1/8 - 1/4 (0.240 mi.)	N93	366

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYC - STATEN ISLAND BOROUGH HA	***10 RICHMOND TER***	***NNW 0 - 1/8 (0.035 mi.)***	***A29***	***129***
DREDGE TAVRACAVOR	***OFF HANNAH ST AT PIER 7***	***NNW 1/8 - 1/4 (0.164 mi.)***	***H59***	***233***
NYC ECONOMIC DEV - BALLPARK AT	***RICHMOND TER NICHOLAS &***	***N 1/8 - 1/4 (0.179 mi.)***	***62***	***242***
NYCDEP - HANNAH STREET	***1 MURRAY HULBERT ST***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K66***	***259***
CON EDISON MANHOLE 42	RICHMOND TERR & WALL ST	NNW 1/8 - 1/4 (0.196 mi.)	J69	276
CON EDISION - MH83	***TOMPKINS COURT - SIRT T***	***NNW 1/8 - 1/4 (0.207 mi.)***	***J77***	***308***
CAROCCIAS SVC CNTR	***VICTORY BLVD & RICHMOND***	***SSW 1/8 - 1/4 (0.224 mi.)***	***M82***	***329***
NYC - STATEN ISLAND FAMILY COU	***100 RICHMOND TER***	***NNW 1/8 - 1/4 (0.230 mi.)***	***J85***	***337***

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 11/01/2012 has revealed that there are 22 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - BAY ST CP	***15-60 BAY ST***	***WSW 0 - 1/8 (0.004 mi.)***	***A3***	***10***
CON ED - MH 7293	***60 BAY ST***	***SSW 0 - 1/8 (0.047 mi.)***	***B33***	***150***
COLLEGE OF STATEN ISLAND	***130 STUYVESENT PL***	***NW 0 - 1/8 (0.117 mi.)***	***G53***	***212***
NYC BOARD OF EDUCATION PS 16 R	***80 MONROE STREET***	***WSW 1/8 - 1/4 (0.209 mi.)***	***L79***	***310***
NYSDOT BIN 1067821	***I-278 WB OVER MOSEL AVE***	***SSW 1/8 - 1/4 (0.233 mi.)***	***M88***	***345***
NYC SCA - PUBLIC SCHOOL 26R	***41-08 VICTORY BLVD***	***SSW 1/8 - 1/4 (0.234 mi.)***	***N89***	***350***
NYCP&R - STATEN ISLAND NURSEY	38-08 VICTORY BLVD	SSW 1/8 - 1/4 (0.240 mi.)	N94	367

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATEN ISLAND FERRY TERMI	***1 BAY STREET***	***N 0 - 1/8 (0.009 mi.)***	***A4***	***15***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	MH07 1 BAY ST	N 0 - 1/8 (0.009 mi.)	A6	29
NYC DEPT OF TRANSPORTATION	***FERRY MAINTENANCE FACIL***	***NNW 0 - 1/8 (0.019 mi.)***	***A14***	***64***
NYCDOT - ST GEORGE TERMINAL	***RICHMOND TER & BAY ST***	***NNW 0 - 1/8 (0.019 mi.)***	***A16***	***73***
NYC DEPT OF CITYWIDE ADMIN SER	2-10 RICHMOND TERRACE	NNW 0 - 1/8 (0.023 mi.)	A22	93
NYC - STATEN ISLAND BOROUGH HA	***10 RICHMOND TER***	***NNW 0 - 1/8 (0.035 mi.)***	***A29***	***129***
SUPREME COURT-STATEN ISLAND	18 RICHMOND TR	NNW 0 - 1/8 (0.056 mi.)	34	151
DREDGE TAVRACAVOR	***OFF HANNAH ST AT PIER 7***	***NNW 1/8 - 1/4 (0.164 mi.)***	***H59***	***233***
NYC ECONOMIC DEV - BALLPARK AT	***RICHMOND TER NICHOLAS &***	***N 1/8 - 1/4 (0.179 mi.)***	***62***	***242***
RICHMOND CHOLRINATION PLANT C/	***2 MURRAY HULBERT AVENUE***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K67***	***261***
CONSOLIDATED EDISON - MH 38	RICHMOND TERRACE & WALL	NNW 1/8 - 1/4 (0.196 mi.)	J70	277
CON EDISION - MH83	***TOMPKINS COURT - SIRT T***	***NNW 1/8 - 1/4 (0.207 mi.)***	***J77***	***308***
NYCP&R LYONS POOL	VICTORY BLVD & BAY STRE	S 1/8 - 1/4 (0.219 mi.)	M81	325
CAROCCIAS SVC CNTR	***VICTORY BLVD & RICHMOND***	***SSW 1/8 - 1/4 (0.224 mi.)***	***M82***	***329***
NYC - STATEN ISLAND FAMILY COU	***100 RICHMOND TER***	***NNW 1/8 - 1/4 (0.230 mi.)***	***J85***	***337***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2012 has revealed that there are 4 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NYCDOT - STATEN ISLAND FERRY	***1 BAY ST - MAINT BLDG***	***N 0 - 1/8 (0.009 mi.)***	***A7***	***29***
NYC DEPT OF TRANSPORTATION	***FERRY MAINTENANCE FACIL***	***NNW 0 - 1/8 (0.019 mi.)***	***A14***	***64***
NYCDOT ST GEORGE STATEN ISLAND	***ST GEORGE S I FERRY TER***	***N 0 - 1/8 (0.026 mi.)***	***A24***	***96***
RICHMOND CHLORINATION	***MURRAY HULBERT ST***	***SSE 1/8 - 1/4 (0.194 mi.)***	***K68***	***268***

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 10/11/2012 has revealed that there are 12 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 92,TAXBLOCK 5	32 BAY STREET	SW 0 - 1/8 (0.013 mi.)	B9	48
LOT 87,TAXBLOCK 5	24 BAY STREET	SW 0 - 1/8 (0.018 mi.)	B13	61
LOT 95,TAXBLOCK 5	40 BAY STREET	SW 0 - 1/8 (0.020 mi.)	B21	90
LOT 103,TAXBLOCK 5	56 BAY STREET	SSW 0 - 1/8 (0.045 mi.)	B31	137
LOT 86,TAXBLOCK 8	1 HYATT STREET	WNW 0 - 1/8 (0.065 mi.)	D36	158
STATEN ISLAND SAVINGS BANK	***15 HYATT ST***	***W 0 - 1/8 (0.082 mi.)***	***D40***	***166***
LOT 42,TAXBLOCK 5	CENTRAL AVENUE	W 0 - 1/8 (0.083 mi.)	D42	177
LOT 99,TAXBLOCK 8	19 HYATT STREET	W 0 - 1/8 (0.087 mi.)	D43	180
LOT 45,TAXBLOCK 5	61 CENTRAL AVENUE	SW 0 - 1/8 (0.089 mi.)	E44	183
LOT 39,TAXBLOCK 5	71 CENTRAL AVENUE	SSW 0 - 1/8 (0.103 mi.)	E47	191
LOT 54,TAXBLOCK 16	350 ST MARK'S PLACE	WSW 0 - 1/8 (0.113 mi.)	F48	194
LOT 50,TAXBLOCK 16	358 ST MARK'S PLACE	WSW 0 - 1/8 (0.113 mi.)	F50	199

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 175 records.

Site Name	Database(s)
BARGE 210 AND BERMAN NATHAN	CERCLIS, FINDS, PRP
NYCDOT STATEN ISLAND FERRIY	NY MOSF
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
NYSDOT REG 2 FIELD OFFICE	RCRA-NonGen, FINDS, NY MANIFEST
NYSDOT D259509 FIELD OFFICE	RCRA-LQG, NY MANIFEST, NJ MANIFEST
BELL ATLANTIC-NY	FINDS, NY MANIFEST
NYSDEC	NY MANIFEST
WAYNE CLOSI	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
L & L PAINTINT	NY MANIFEST
NYSDOT BIN 1067770	NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
NYSDOT FIELD OFFICE	RCRA-LQG, NY MANIFEST, NJ MANIFEST
COASTAL PIPELINE @ PORT IVORY	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
NEW YORK TELEPHONE COMPANY	NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
BELL ATLANTIC-NY	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
NYCDOT GEORGES FERRY TERMINAL	NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, NY MANIFEST
NYSDOT D259509 FIELD OFFICE	RCRA-LQG, NY MANIFEST, NJ MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
BELL ATLANTIC-NY	NY MANIFEST
STATEN ISLAND WAREHOUSE	CERC-NFRAP
M. QUINTAVALLE TREE SERVICE; INC.	NY SWF/LF
AMOCO	NY LTANKS
NYC DEP	NY LTANKS
STAPLETON ANCHORAGE	NY LTANKS, NY HIST LTANKS
CLOSED-LACKOF RECENT INFO	NY HIST LTANKS
NYC DEPT. OF PARKS & RECREATION	NY UST, NY HIST UST
BOROUGH HALL STATEN ISLAND	NY UST, NY AST
BAYRIDGE MOTORS INC	NY AST
STATEN ISLAND FERRY	NY AST
STATEN ISLAND FERRY	NY AST
MTA NYCT - TOMPKINSVILLE STATION -	RCRA-SQG
MTA NYCT - ST GEORGE STATION - SIR	RCRA-NonGen, FINDS
BELL ATLANTIC-NY	RCRA-NonGen
C S X TRANSPORTATION	RCRA-NonGen, FINDS
CON EDISON EXCAVATION 1	RCRA-NonGen
NYC DDC CONTRACT RED-354 RECONSTRU	RCRA-NonGen
CON EDISON MANHOLE M-38	RCRA-NonGen
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG

CON EDISON	RCRA-CESQG
CATS MEOW	NY Spills
MOBILE GAS STATION	NY Spills
VERRAZANO BRIDGE	NY Spills
POLE 22	NY Spills, NY Hist Spills
RT 440	NY Spills, NY Hist Spills
OUTERBRIDEG CROSSING	NY Spills
FRESHKILLS LANDFILL	NY Spills, NY Hist Spills
ARTHUR KILL R/KILL VAN KU	NY Spills, NY Hist Spills
POLE#31997	NY Spills
ARDEN AVE/RICHMOND PKWY	NY Spills, NY Hist Spills
IN ARTHUR KILL BAY 20	NY Spills, NY Hist Spills
BAY STREET SHORELINE	NY Spills, NY Hist Spills
BAY ST-STAPLETON STA	NY Spills, NY Hist Spills
BAY ST MARINA	NY Spills, NY Hist Spills
BAY ST/FORT WADSWORTH	NY Spills, NY Hist Spills
STAPLETON ANCHORAGE	NY Spills, NY Hist Spills
BAY ST LDG/HANNA ST	NY Spills, NY Hist Spills
BAY STREET	NY Spills, NY Hist Spills
BAY ST COOLING PLANT	NY Spills, NY Hist Spills
UPPER NEW YORK BAY	NY Spills, NY Hist Spills
VESSEL ANCHORAGE	NY Spills, NY Hist Spills
NARROWS HARBOR (STATEN ISLAND FERR	NY Spills
RICHMOND CO BANK BALL PK	NY Spills, NY Hist Spills
CON EDISON VEHICLE 50727	NY Spills
LYNHURST AVE BETWEEN	NY Spills
BAY ST NR CADDELLS DOCK	NY Spills, NY Hist Spills
BAY ST.	NY Spills, NY Hist Spills
BAY ST/U S NAVAL STATION	NY Spills, NY Hist Spills
BEEMAN AVE & RICHMOND TER	NY Spills, NY Hist Spills
EMPTY LOT-THOMPSON ST/SI	NY Spills, NY Hist Spills
LAKE AVE	NY Spills
KILLVAN CULL	NY Spills, NY Hist Spills
163-01 CROSS BAY BLVD	NY Spills, NY Hist Spills
ONE QT LEAK FROM ARIEL CABLE JOINT	NY Spills
NYCTA MOTOR OIL SEWER	NY Spills
GETTY 561	NY Spills
PM 1009	NY Spills, NY Hist Spills
ST GEORGE MARINA	NY Spills, NY Hist Spills
POLE 21604	NY Spills
STAPLETON ANCHORAGE	NY Spills, NY Hist Spills
BUS # 6161	NY Spills
INTERSECTION OF RICHMOND RD AND LI	NY Spills
INBOUND VARAZANO NARROWS	NY Spills, NY Hist Spills
OLD ORCHARD SCHOOL LIGHT	NY Spills, NY Hist Spills
LOWER NY BAY	NY Spills, NY Hist Spills
ARTHUR KILL WATERWAY	NY Spills
NEAR NEW YORK UPPER BAY	NY Spills, NY Hist Spills
NEWARK BAY/WEST BAYONNE	NY Spills, NY Hist Spills
NEWARK BAY - ARTHUR KILL	NY Spills, NY Hist Spills
OFF BAY STREET	NY Spills, NY Hist Spills
PAD # 9152 1772 FOREST AVE/ RICHMO	NY Spills
PIER US NAVY	NY Spills, NY Hist Spills
REGULATOR PR37	NY Spills
VAN RIPPER ST &	NY Spills
ROADWAY	NY Spills
RAW SEWAGE	NY Spills
REGULATOR 37	NY Spills
PORT RICHMOND / STATEN IS	NY Spills, NY Hist Spills
RARITAN BAY/BUOY MARK #14	NY Spills, NY Hist Spills
RARITAN BAY/BUOY MARK #14	NY Spills, NY Hist Spills
POLE 32921	NY Spills

RICHMOND TER/HOWLAND HOOK	NY Spills, NY Hist Spills
ROCKLAND AVE+	NY Spills, NY Hist Spills
PENN YARD	NY Spills, NY Hist Spills
POLE #10342	NY Spills, NY Hist Spills
CADDELLS SHIPYARD	NY Spills, NY Hist Spills
MAN HOLE 331	NY Spills, NY Hist Spills
NEWBURY AV	NY Spills, NY Hist Spills
	NY Spills, NY Hist Spills
	NY Spills, NY Hist Spills
POLE 14142	NY Spills, NY Hist Spills
GREAT KILLS HARBOR	NY Spills, NY Hist Spills
CADELL DRY DOCKS	NY Spills, NY Hist Spills
CADDELL'S DRY DOCK	NY Spills, NY Hist Spills
RICHMOND CREEK WATERWAY	NY Spills, NY Hist Spills
MANHOLE # 83	NY Spills
220312; RICHMOND TERRACE	NY Spills
PUMP STATION	NY Spills
STATEN ISLAND FERRY TERMI	NY Spills
FOOT OF BORADWAY	NY Spills
GOLF COURSE	NY Spills
OLD GSX TERMINAL	NY Spills
POLE # 31881	NY Spills
RICHMOND HILL RD PMP STA	NY Spills
MANHOLES 80 & 81 & 79	NY Spills
MCALLISTER YARD	NY Spills
PORT RICHMOND PLANT	NY Spills
KEYSPAN	NY Spills
SEWER TREATMENT PLANT	NY Spills
MORAN SHIP YARD	NY Spills
BUS 6253	NY Spills
WATER POLLUTION PLANT	NY Spills
ON DEP PROPERTY	NY Spills
RICHMOND HILL RD./ PUMPIN	NY Spills, NY Hist Spills
RICHMOND HILL PUMP STATIO	NY Spills, NY Hist Spills
JULES DR AND	NY Spills, NY Hist Spills
RICHMOND HILL RD STATION	NY Spills, NY Hist Spills
RICHMOND AVE & RICHMOND H	NY Spills, NY Hist Spills
CITGO GAS STATION	NY Spills, NY Hist Spills
PUMPING STATION	NY Spills, NY Hist Spills
ST GEORGE FERRY TERM	NY Spills, NY Hist Spills
STAPLTON ANCHORAGE	NY Spills, NY Hist Spills
MANHOLE #38	NY Spills
SHEEN IN WATER	NY Spills
ROADWAY	NY Spills
STATEN ISLAND,RICHMOND CT	NY Spills, NY Hist Spills
ROADWAY	NY Spills
	NY Spills, NY Hist Spills
UPPER NEW YORK BAY	NY Spills, NY Hist Spills
STAPLETON ANCHORAGE	NY Spills, NY Hist Spills
DRILL - ST GEORGE TARRYTOWN BAY	NY Spills
UPPER NY BAY	NY Spills, NY Hist Spills
FT WADSWORTH NAVAL STATIO	NY Spills, NY Hist Spills
MAN HOLE 9154	NY Spills
MAN HOLE 9155	NY Spills
MANHOLE 7115	NY Spills
RAINBOW LINEN	NY HIST UST
GASETERIA TARGEE	NY HIST UST

OVERVIEW MAP - 3479134.2s

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

0 1/4 1/2 1 Miles

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: Lighthouse Project	CLIENT: Roux Associates
ADDRESS: 5 Bay Street Staten Island NY 10301	CONTACT: Joseph Gavin INQUIRY #: 3479134.2s
LAT/LONG: 40.6419 / 74.0751	DATE: December 17, 2012 5:44 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

DETAIL MAP - 3479134.2s

0 1/16 1/8 1/4 Miles

- 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
- 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: Lighthouse Project	CLIENT: Roux Associates
ADDRESS: 5 Bay Street Staten Island NY 10301	CONTACT: Joseph Gavin
LAT/LONG: 40.6419 / 74.0751	INQUIRY #: 3479134.2s
	DATE: December 17, 2012 5:45 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		2	1	NR	NR	NR	3
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		3	3	NR	NR	NR	6
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP	1	NR	NR	NR	NR	NR	1
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	1	NR	1
NJ SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
NJ SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		9	6	7	NR	NR	22

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		7	4	8	NR	NR	19
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
NY TANKS	0.250		0	0	NR	NR	NR	0
NY UST	0.250		7	7	NR	NR	NR	14
NJ UST	0.250		0	0	NR	NR	NR	0
NY CBS UST	0.250		0	1	NR	NR	NR	1
NY MOSF UST	0.500		0	1	0	NR	NR	1
NY AST	0.250		3	9	NR	NR	NR	12
NY CBS AST	0.250		0	2	NR	NR	NR	2
NY MOSF AST	0.500		0	1	0	NR	NR	1
NY CBS	0.250		0	2	NR	NR	NR	2
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
State and tribal institutional control / engineering control registries								
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
State and tribal voluntary cleanup sites								
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
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NJ BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	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
Local Lists of Hazardous waste / Contaminated Sites								
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	1	NR	1
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		7	8	NR	NR	NR	15
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
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
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	11	NR	NR	NR	NR	12
NY Hist Spills	0.125	1	9	NR	NR	NR	NR	10
Other Ascertainable Records								
RCRA-NonGen	0.250		3	10	NR	NR	NR	13
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	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
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
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		10	12	NR	NR	NR	22
NJ MANIFEST	0.250		3	1	NR	NR	NR	4
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NJ DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY NPDES	TP		NR	NR	NR	NR	NR	0
NJ NPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		12	NR	NR	NR	NR	12
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

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 FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	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
NJ COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
NJ FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
Actual: 36 ft.

ERNS **93312968**
N/A

PIER 5 BAY STREET LANDING
STATEN ISLAND, NY

Site 1 of 24 in cluster A

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A2
Target Property
Actual: 36 ft.

NY Spills **S106701611**
NY Hist Spills **N/A**

PIER #5 BAY ST LANDING
PIER #5 BAY ST LANDING
STATEN ISLAND, NY

Site 2 of 24 in cluster A

SPILLS:

Facility ID:	9301267
DER Facility ID:	250767
Facility Type:	ER
Site ID:	310667
DEC Region:	2
Spill Number:	9301267
Spill Date:	4/25/1993
Spill Cause:	Deliberate
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.
Spill Closed Date:	5/13/1993
SWIS:	4301
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	4/27/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Vessel
Spill Notifier:	Citizen
Cleanup Ceased:	5/13/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/28/1993
Spill Record Last Update:	1/31/2003
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	CITIZEN REPORT VESSEL DUMPING OIL FROM WHAT APPEARED TO BE WASTE FROM CLEANING ENGINE,ALSO DRUMS STORING OIL NEAR PIER MAY BE LEAKING CLOSED AFTER INVESTIGATION BY E.C.O.

Material:

Site ID:	310667
Operable Unit ID:	979869
Operable Unit:	01
Material ID:	398459

PIER #5 BAY ST LANDING (Continued) **S106701611**

Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9301267
Investigator:	CAMMISA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/25/1993 12:00
Reported to Dept Date/Time:	04/27/93 11:30
SWIS:	64
Spiller Name:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Deliberate
Reported to Dept:	Surface Water
Water Affected:	Not reported
Spill Source:	10
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	05/13/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Possible release with minimal potential for fire or hazard or Known

PIER #5 BAY ST LANDING (Continued) **S106701611**

release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 05/13/93
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/28/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/20/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: Not reported
Remark: CITIZEN REPORT VESSEL DUMPING OIL FROM WHAT APPEARED TO BE WASTE FROM CLEANING ENGINE,ALSO DRUMS STORING OIL NEAR PIER MAY BE LEAKING CLOSED AFTER INVESTIGATION BY E.C.O.

A3 **CON EDISON - BAY ST CP** **RCRA-CESQG** **1004759779**
WSW **15-60 BAY ST** **FINDS** **NYR000020685**
< 1/8 **STATEN ISLAND, NY 10301** **NY MANIFEST**
0.004 mi.
20 ft. **Site 3 of 24 in cluster A**

Relative:
Higher

Actual:
42 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: CON EDISON - BAY ST CP
Facility address: 15-60 BAY ST
STATEN ISLAND, NY 10301
EPA ID: NYR000020685
Mailing address: IRVING PL ROOM 300
NEW YORK, NY 100033598
Contact: HENRY LAURO
Contact address: IRVING PL ROOM 300
NEW YORK, NY 100033598
Contact country: US
Contact telephone: (718) 442-4249
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;

CON EDISON - BAY ST CP (Continued) **1004759779**

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
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
Facility name:	CON EDISON - BAY ST CP
Classification:	Conditionally Exempt Small Quantity Generator

CON EDISON - BAY ST CP (Continued) **1004759779**

Date form received by agency: 03/08/1996
Facility name: CON EDISON - BAY ST CP
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004522981

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: NYR000020685
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYE1306521
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 07/12/2005
Trans1 Recv Date: 07/12/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/13/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000020685
Trans1 EPA ID: 12446JT
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00120
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: Not reported

CON EDISON - BAY ST CP (Continued) **1004759779**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2010-09-16
Trans1 Recv Date:	2010-09-16
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2010-09-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000020685
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	100.0
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:	2010
Manifest Tracking Num:	001438622FLE
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:	NYE0403767
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	08/18/1999
Trans1 Recv Date:	08/18/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/19/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000020685
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	48122AN
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00010
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	01.00

CON EDISON - BAY ST CP (Continued) **1004759779**

Year: 99

Document ID: NJA2579533
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: S10376
Trans2 State ID: Not reported
Generator Ship Date: 971029
Trans1 Recv Date: 971029
Trans2 Recv Date: Not reported
TSD Site Recv Date: 971030
Part A Recv Date: 971121
Part B Recv Date: 971121
Generator EPA ID: NYR000020685
Trans1 EPA ID: NJD003812047
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
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: 100
Year: 97

Document ID: NYE0443124
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 09/28/1999
Trans1 Recv Date: 09/28/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/29/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000020685
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: 83070AK
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00010
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 99

Document ID: NYE1306521
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 07/12/2005
Trans1 Recv Date: 07/12/2005

CON EDISON - BAY ST CP (Continued) **1004759779**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000020685
Trans1 EPA ID:	12446JT
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00120
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2005

A4 **STATEN ISLAND FERRY TERMI** **NY LTANKS** **S109582997**
North **1 BAY STREET** **NY MANIFEST** **N/A**
< 1/8 **STATEN ISLAND, NY** **NY Spills**
0.009 mi.
50 ft. **Site 4 of 24 in cluster A**

Relative:
Lower

Actual:
34 ft.

LTANKS:

Site ID:	387042
Spill No:	0706511
Spill Date:	9/11/2007
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.
Spill Closed Dt:	10/6/2008
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	bkfalvey
Referred To:	Not reported
Reported to Dept:	9/11/2007
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:	9/11/2007
Spill Record Last Update:	10/6/2008
Spiller Name:	MIKE BROWN
Spiller Company:	ST GEORGE FERRY TERMINAL
Spiller Address:	1 BAY STREET
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	MIKE BROWN
Spiller Phone:	(800) 646-3161
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	247026

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

DEC Memo: 9/11/07 called Bill Kane of DOT (646)772-9765. He did not know of tank failure and was driving back to St. George Terminal. He said that he will call me in approximately 1/2 hour and let me know what happened. Mr. Kane called back and he called Crompco and left message. He will call me back when he gets more information. TTF letter sent to:Frank NicolosiNYCDOT Division of Ferries1 Bay StreetStaten Island, NY 10301 bf10/9/07 On 10/5/07 received message from Frank Nicolosi of DOT (917)731-3321. I called him back today and he wanted to confirm what was needed as far as a response to the ttf letter. The tank should be repaired in next 2 to 3 weeks and will forward documentation to me when he gets it. bf2/21/08 Called F. Nicolosi. Tank was retested and passed (I knew this and saw the results). Gemstar did repair: put in new manway. No release of product observed. Letter will be sent when he gets it. It will probably be issued within the month. Delay since Gemstar was not paid yet. bf9/26/08 Received message from Ed Brusher(sp?) regarding status on 9/24/08 at 0836. Returned call today and left message stating that closure letter is needed. bf10/6/08 On 10/3/08, received fax from John Saia of Gemstar Construction Corp. On 12/7/07, Gemstar replaced manway, tank sump and remote fill. No visual sign of contamination found. bf

Remarks: IN TANK TOP-

Material:

Site ID:	387042
Operable Unit ID:	1144262
Operable Unit:	01
Material ID:	2134558
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:	387042
Spill Tank Test:	1764104
Tank Number:	1
Tank Size:	20000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	9/11/2007
Test Method:	Horner EZ Check I or II

NY MANIFEST:

EPA ID:	NYR000027250
Country:	USA
Mailing Name:	NYCDOT -
Mailing Contact:	NEW YORK CITY ECONOMIC DEVELOPMENT CORP

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Mailing Address:	1 BAY STREET
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-390-5257

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-01-26
Trans1 Recv Date:	2011-01-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-01-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1.0
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:	2011
Manifest Tracking Num:	001056693GBF
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-05-20
Trans1 Recv Date:	2011-05-20
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-05-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	10.0
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:	2011
Manifest Tracking Num:	003534711JJK
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-21
Trans1 Recv Date:	2011-09-21
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-21
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200.0
Units:	P - 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:	006874485JJK
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

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-07-26
Trans1 Recv Date:	2011-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-07-26
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1.0
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:	2011
Manifest Tracking Num:	006903556JJK
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:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-23
Trans1 Recv Date:	2011-09-23
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-23
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	4020.0
Units:	P - Pounds

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	000423138WAS
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:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	2012-05-22
Trans1 Recv Date:	2012-05-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-05-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000027250
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	7860.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000457425WAS
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:	H111

SPILLS:

Facility ID:	0607167
DER Facility ID:	247026

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Facility Type:	ER
Site ID:	370684
DEC Region:	2
Spill Number:	0607167
Spill Date:	9/22/2006
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Date:	12/13/2006
SWIS:	4301
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	9/22/2006
CID:	77
Water Affected:	UPPER BAY OF NY HARB
Spill Source:	Unknown
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:	9/22/2006
Spill Record Last Update:	12/13/2006
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	BILL KAIN
Contact Phone:	(646) 772-9765
DEC Memo:	0615 DEC Piper off hours responder. Piper spoke w/ Bill Kain at NYCT, Staten Is. Ferry. As per conversation, a sheen is observed in the water though it is still dark. Bill to call back upon sunrise. Coast Guard has been notified.0700 Received call from Bill at NYCT, there is a slick in the water. Piper contacted USCG, to inform them of update. DEC Piper spoke w/ USCG Pollution Response, they have no update. Piper obtained cellphone of P.O. on scene. 0730 DEC Piper spoke w/P.O. Tom (first name), as per Tom "there is a large sheen w/ diesel odor extending from inside Verrazano to Bayonne. A small patch of emulsified diesel was observed. Non recoverable. NY shorelines have not been impacted." CG to assess spill by boat and will callback w/ update.0830 DEC Piper contacted Bill to obtain status at Ferry Terminal. Bill will call back.0850 DEC Piper soke w/ Bill, there is a blueish sheen in terminal waters. No floating product observed. non recoverable. 0915 DEC Piper left message for USCG P.O. Tom for update.0925 DEC Piper received e-mail from DEC Austin. Forwarded Message from USCG Lt.Cmdr. Hermes- Sanchez states "This morning at approximately 6:00 am Sector New York received several> reports from Mariners as well as the NRC reporting fuel oil in the> water from north of the VZ Bridge to east of the Bayonne Bridge. > > Sector New York is currently investigating the source and responding> to this information. A CG team has reported a heavy rainbow sheen> with no recoverable product in the vicinity of Bayonne Bridge on the> New Jersey side. A NYPD overflight has uncovered that the fuel oil> may have entered Newark Bay. A CG Auxiliary Flight is scheduled to>

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

evaluate for the area.> > Based on the available information, Ken's Marine and Miller's> Environmental Group are currently on stand-by for booming operations> of sensitive areas. " 0945 DEC Piper contact USCG Pollution Response. As per them, a Vessel "Theo T" transferred 100K barrels of Diesel this morning to barge "DV105". Samples are being collected from water, vessel and barge to determine if they are responsible party. Sheen extends from Verrazano Br. to Newark Bay. USCG overflight not completed. USCG to contact DEC if recoverable amount of product is observed.1100 DEC Piper spoke w/ USCG TOM, as per conversation, sheen is light. No cleanup is possible. Samples will be sewnt to lab and update will be given upon results next week. Case will remain open.12/12/06- DECP iper spoke w/ USCG. The sample was not a match for the barge. This case is closed.

Remarks: unkn oil slick noticed. not believed to be coming from nyc dot facility. coming from up stream.

Material:

Site ID:	370684
Operable Unit ID:	1128471
Operable Unit:	01
Material ID:	2118088
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	1204207
DER Facility ID:	247026
Facility Type:	ER
Site ID:	467082
DEC Region:	2
Spill Number:	1204207
Spill Date:	7/28/2012
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	7/30/2012
SWIS:	4301
Investigator:	SFRAHMAN

STATEN ISLAND FERRY TERMI (Continued) **S109582997**

Referred To:	Not reported
Reported to Dept:	7/28/2012
CID:	Not reported
Water Affected:	NEW YORK HARBOR
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:	7/28/2012
Spill Record Last Update:	7/30/2012
Spiller Name:	ED BRESCIA
Spiller Company:	STATEN ISLAND FERRY
Spiller Address:	1 BAY STREET
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	999
Contact Name:	ED BRESCIA
Contact Phone:	(718) 876-5009
DEC Memo:	Notified USCG. Spoke with Ed Brescia, he indicated that the low level alarm on the diesel tank went off due to mehanical failure,they believe.There was no actual evidence if release on the water.Case closed.(sr)
Remarks:	No visable sheen. USCG Enroute. Nothing to clean up.

Material:

Site ID:	467082
Operable Unit ID:	1217046
Operable Unit:	01
Material ID:	2215302
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	200
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

A5 North < 1/8 0.009 mi. 50 ft. | **STATEN ISLAND FERRY**
ST. GEORGE FERRY TERMINAL
STATEN ISLAND, NY 10301
Site 5 of 24 in cluster A | **NY UST** | **U004047680**
N/A

Relative: Lower

Actual: 34 ft.

UST:

Facility Id:	2-607585
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/07/31
UTM X:	578154
UTM Y:	4499323

Affiliation Records:

Site Id:	29437
Affiliation Type:	Mail Contact
Company Name:	NYC DOT FACILITIES MGMT
Contact Type:	Not reported
Contact Name:	PETER SAMBALIS
Address1:	55 WATER ST
Address2:	7TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10041
Country Code:	001
Phone:	(212) 839-8920
Phone Ext:	Not reported
Email:	PSAMBALIS@DOT.NYC.GOV
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/10/2012

Site Id:	29437
Affiliation Type:	On-Site Operator
Company Name:	STATEN ISLAND FERRY
Contact Type:	Not reported
Contact Name:	BILL DELINIKOLAOU.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 867-6103
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/4/2012

Site Id:	29437
Affiliation Type:	Emergency Contact
Company Name:	NYC DOT
Contact Type:	Not reported
Contact Name:	BILL DELINIKOLAOU
Address1:	Not reported
Address2:	Not reported

STATEN ISLAND FERRY (Continued) **U004047680**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 772-9765
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/4/2012

Site Id:	29437
Affiliation Type:	Owner
Company Name:	NYC DOT
Contact Type:	DIRECTOR OF BULK STORAGE TANKS
Contact Name:	PETER SAMBALIS
Address1:	55 WATER ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10041
Country Code:	001
Phone:	(212) 839-8920
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/10/2012

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
I03 - Overfill - Automatic Shut-Off

STATEN ISLAND FERRY (Continued) **U004047680**

E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
A01 - Tank Internal Protection - Epoxy Liner
A01 - Tank Internal Protection - Epoxy Liner
D00 - Pipe Type - No Piping
K00 - Spill Prevention - None
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
I02 - Overfill - High Level Alarm
D03 - Pipe Type - Stainless Steel Alloy
I02 - Overfill - High Level Alarm
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

STATEN ISLAND FERRY (Continued) **U004047680**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A01 - Tank Internal Protection - Epoxy Liner
A00 - Tank Internal Protection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
I05 - Overfill - Vent Whistle
A01 - Tank Internal Protection - Epoxy Liner
A01 - Tank Internal Protection - Epoxy Liner
F05 - Pipe External Protection - Jacketed
K00 - Spill Prevention - None
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

STATEN ISLAND FERRY (Continued) **U004047680**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
D00 - Pipe Type - No Piping
A01 - Tank Internal Protection - Epoxy Liner
I00 - Overfill - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
E10 - Piping Secondary Containment - Impervious Underlayment
K02 - Spill Prevention - Transfer Station Containment
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Info:

Site ID:	29437
Tank Number:	STG-03
Tank ID:	63220
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	01/01/1993
Capacity Gallons:	20000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	12/13/2007
Register:	True
Modified By:	CGFREEDM

STATEN ISLAND FERRY (Continued) **U004047680**

Last Modified: 09/10/2012

A6 **CONSOLIDATED EDISON** **NY MANIFEST** **1009240559**
North **MH07 1 BAY ST** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.009 mi.
50 ft. **Site 6 of 24 in cluster A**

Relative:
Lower

Actual:
34 ft.

NY MANIFEST:

EPA ID:	NYP004081345
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NJA2987213
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	05/01/2001
Trans1 Recv Date:	05/01/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/01/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004081345
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	S5811
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - 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:	2001

A7 **NYCDOT - STATEN ISLAND FERRY** **RCRA-LQG** **1001119438**
North **1 BAY ST - MAINT BLDG** **FINDS** **NYR000027250**
< 1/8 **STATEN ISLAND, NY 10301** **NJ MANIFEST**
0.009 mi.
50 ft. **Site 7 of 24 in cluster A**

Relative:
Lower

Actual:
34 ft.

RCRA-LQG:

Date form received by agency:	03/02/2012
Facility name:	NYC DOT ST GEORGE FERRY TERMINAL
Facility address:	1 BAY ST

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

	STATEN ISLAND, NY 10301
EPA ID:	NYR000027250
Mailing address:	BAY ST STATEN ISLAND, NY 10301
Contact:	EARL J BAIM
Contact address:	SOUTH ST WHITE HALL TERMINAL 3RD FLOOR NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(212) 487-3137
Contact email:	EBAIM@DOT.NYC.GOV
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:	NYC DOT DIVISION OF LEGAL AFFAIRS
Owner/operator address:	WATER ST 9TH FLOOR NEW YORK, NY 10041
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1905
Owner/Op end date:	Not reported
Owner/operator name:	STATEN ISLAND FERRY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1905
Owner/Op end date:	Not reported
Owner/operator name:	NEW YORK CITY DEPT OF TRANSPORATION
Owner/operator address:	40 WORTH ST NEW YORK, NY 10004
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 390-5214
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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: 01/01/2007
Facility name: NYC DOT ST GEORGE FERRY TERMINAL
Site name: NYCDOT - STATEN ISLAND FERRY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Facility name: NYC DOT ST GEORGE FERRY TERMINAL
Site name: NYCDOT - STATEN ISLAND FERRY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/25/1996
Facility name: NYC DOT ST GEORGE FERRY TERMINAL
Site name: NYCDOT - STATEN ISLAND FERRY
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D008
Waste name: LEAD

Waste code: D000
Waste name: Not Defined

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110004526978

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.

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

NJ MANIFEST:

Manifest Code:	001057633GBF
EPA ID:	NYR000027250
Date Shipped:	12/06/2010
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:	12/06/2010
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:	12/06/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	P
Hand Code:	H141

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Manifest Code:	NJA5288292
EPA ID:	NYR000027250
Date Shipped:	08/28/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD982792384
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:	08/28/2006
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:	08/29/2006
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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:	09270621
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	000423138WAS

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

EPA ID:	NYR000027250
Date Shipped:	9/23/2011
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:	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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT (FERRY MAINT & RPR)
Transporter-1 EPA Facility Name:	PRICE TRUCKING CORP
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	9/23/2011
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:	9/23/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	4,020.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	000201533WAS
EPA ID:	NYR000027250

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Date Shipped:	12/28/2010
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:	12/28/2010
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:	12/28/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	3160
Unit:	P
Hand Code:	H111

Manifest Code:	000958735GBF
EPA ID:	NYR000027250
Date Shipped:	07/28/2009

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	15
Unit:	P
Hand Code:	H141

Manifest Code:	000892335JJK
EPA ID:	NYR000027250
Date Shipped:	05/10/2010
TSDF EPA ID:	NJD002200046

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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:	05/10/2010
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:	05/10/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H141

Manifest Code:	006903556JJK
EPA ID:	NYR000027250
Date Shipped:	7/26/2011
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT (FERRY MAINT & RPR)
Transporter-1 EPA Facility Name:	CLEAN VENTURE, INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CYCLE CHEM INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/26/2011
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:	7/26/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	1.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	003633937JJK
EPA ID:	NYR000027250
Date Shipped:	03/06/2009
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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:	03/06/2009
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:	03/06/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	10
Unit:	G
Hand Code:	H141

Manifest Code:	001055793GBF
EPA ID:	NYR000027250
Date Shipped:	03/09/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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:	03/09/2010
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:	03/09/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1
Unit:	P
Hand Code:	H141

Manifest Code:	000201665FLE
EPA ID:	NYR000027250
Date Shipped:	05/30/2007
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD982792384
Transporter 2 EPA ID:	NJD982792384
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

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:	05/30/2007
Date Trans2 Transported Waste:	05/31/2007
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:	05/31/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	50
Unit:	P
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	200
Unit:	P
Hand Code:	H14

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H14

Manifest Code:	001056693GBF
EPA ID:	NYR000027250
Date Shipped:	1/26/2011
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT (FERRY MAINT & RPR)
Transporter-1 EPA Facility Name:	CLEAN VENTURE, INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CYCLE CHEM INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	1/26/2011
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:	1/26/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D009

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Manifest Year:	2011 New Jersey Manifest Data
Quantity:	1.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	003533607JJK
EPA ID:	NYR000027250
Date Shipped:	05/05/2009
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:	05/05/2009
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:	05/05/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2009 New Jersey Manifest Data

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Quantity:	10
Unit:	P
Hand Code:	H141

Manifest Code:	003534711JJK
EPA ID:	NYR000027250
Date Shipped:	5/20/2011
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	NYC DOT (FERRY MAINT & RPR)
Transporter-1 EPA Facility Name:	CLEAN VENTURE, INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CYCLE CHEM INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	5/20/2011
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:	5/20/2011
Manifest Discrepancy Type:	Other
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	10.00

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Unit:	Pounds
Hand Code:	H141

Manifest Code:	001053756GBF
EPA ID:	NYR000027250
Date Shipped:	07/06/2010
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:	07/06/2010
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:	07/06/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1
Unit:	P

NYCDOT - STATEN ISLAND FERRY (Continued) **1001119438**

Hand Code: H141

A8 **STATEN ISLAND FERRY MAIN** **NY Spills** **S102663540**
North **1 BAY ST PIER #1** **NY Hist Spills** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.009 mi.
50 ft. **Site 8 of 24 in cluster A**

Relative:
Lower

Actual:
34 ft.

SPILLS:

Facility ID:	9706390
DER Facility ID:	232722
Facility Type:	ER
Site ID:	287290
DEC Region:	2
Spill Number:	9706390
Spill Date:	8/26/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	1/28/1998
SWIS:	4301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	8/26/1997
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:	8/26/1997
Spill Record Last Update:	1/28/1998
Spiller Name:	MR PIM DEWID
Spiller Company:	STATEN ISLAND FERRY MAIN
Spiller Address:	1 BAY ST PIER #1
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	001
Contact Name:	MR PIM DEWID
Contact Phone:	(212) 435-4921
DEC Memo:	Not reported
Remarks:	transformer oil leak

Material:

Site ID:	287290
Operable Unit ID:	1049757
Operable Unit:	01
Material ID:	331973
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

STATEN ISLAND FERRY MAIN (Continued) **S102663540**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9706390
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/26/1997 13:40
Reported to Dept Date/Time:	08/26/97 14:43
SWIS:	64
Spiller Name:	STATEN ISLAND FERRY MAIN
Spiller Contact:	MR PIM DEWID
Spiller Phone:	(212) 435-4921
Spiller Contact:	MR PIM DEWID
Spiller Phone:	(212) 435-4921
Spiller Address:	1 BAY ST PIER #1
Spiller City,St,Zip:	STATEN ISLAND, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	01/28/98
Corrective Action Plan Submitted:	/ /

STATEN ISLAND FERRY MAIN (Continued) **S102663540**

Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/26/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/28/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: TRANSFORMER OIL
Class Type: TRANSFORMER OIL
Times Material Entry In File: 533
CAS Number: Not reported
Last Date: 19940926
DEC Remarks: LEFT NUMEROUS MESSAGES FOR THE CONTACT PERSON, NO CALL BACK. CALLED PORT AUTHORITY, THEY DIDN T KNOW ANYTHING ABOUT THIS. SPILL REPORTED AS LAND ONLY.
Remark: transformer oil leak

B9 **LOT 92,TAXBLOCK 5** **NY E DESIGNATION** **S109528194**
SW **32 BAY STREET** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.013 mi.
66 ft. **Site 1 of 9 in cluster B**

Relative:
Higher

Actual:
52 ft.

E DESIGNATION:
Tax Lot(s): 92
E-No: E-217
Effective Date: 10/23/2008
Satisfaction Date: Not reported
Ceqr Number: 08DCP070R
Ulurp Number: 080426ZMR
Zoning Map No: 21c
Description: Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code: SI
Community District: 501
Census Tract: 3
Census Block: 1004
School District: 31
City Council District: 49
Fire Company: L078
Health Area: 51
Police Precinct: 120
Zone District 1: C4-2
Zone District 2: Not reported
Commercial Overlay1: Not reported
Commercial Overlay2: Not reported
Special Purpose District1: Not reported

LOT 92,TAXBLOCK 5 (Continued) **S109528194**

Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LOUKAS, CHRISTOS
Lot Area:	000005000
Total Building Floor Area:	00000001632
Commercial Floor Area:	00000001632
Office Floor Area:	00000000000
Retail Floor Area:	00000001632
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0048.00
Building Depth:	0034.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029700
Total Assessed Value:	00000067500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1950
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.33
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050092
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963104
Y Coordinate:	0172893
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005

LOT 92,TAXBLOCK 5 (Continued) **S109528194**

Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	92
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	LOUKAS, CHRISTOS
Lot Area:	000005000
Total Building Floor Area:	00000001632
Commercial Floor Area:	00000001632
Office Floor Area:	00000000000
Retail Floor Area:	00000001632
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00003
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0048.00
Building Depth:	0034.00
Proximity Code:	3
Irregular Lot Code:	N

LOT 92,TAXBLOCK 5 (Continued) **S109528194**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029700
Total Assessed Value:	00000067500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1950
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.33
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050092
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963104
Y Coordinate:	0172893
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B10 **THIRTY BAY STREET CO., INC.** **NY AST** **A100175481**
SW **30 BAY STREET** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.013 mi.
68 ft. **Site 2 of 9 in cluster B**

Relative:
Higher

Actual:
51 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-605190
Program Type:	PBS
UTM X:	578141.82307000004
UTM Y:	4499334.3893400002
Expiration Date:	2016/02/12

Affiliation Records:

Site Id:	27059
Affiliation Type:	Owner
Company Name:	THIRTY BAY STREET CO
Contact Type:	MANAGING AGENT
Contact Name:	AVERY J. GROSS
Address1:	30 BAY STREET
Address2:	Not reported

THIRTY BAY STREET CO., INC. (Continued) **A100175481**

City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 447-8006
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/16/2010

Site Id:	27059
Affiliation Type:	Mail Contact
Company Name:	THIRTY BAY STREET COMPANY
Contact Type:	Not reported
Contact Name:	AVERY GROSS
Address1:	30 BAY STREET
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 447-8006
Phone Ext:	Not reported
Email:	AVERY@TALKNSAVE.NET
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/16/2010

Site Id:	27059
Affiliation Type:	On-Site Operator
Company Name:	THIRTY BAY STREET CO., INC.
Contact Type:	Not reported
Contact Name:	AVERY GROSS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 447-8006
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27059
Affiliation Type:	Emergency Contact
Company Name:	AVERY GROSS
Contact Type:	Not reported
Contact Name:	AVERY GROSS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

THIRTY BAY STREET CO., INC. (Continued) **A100175481**

Country Code:	001
Phone:	(718) 447-8006
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
I05 - Overfill - Vent Whistle
E02 - Piping Secondary Containment - Vault (with Access)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground

Tank Info:

Tank Number:	1
Tank Id:	59554
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	06/15/1956
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:	11/16/2010

A11 **ST GEORGE FERRY TERMINAL** **NY LTANKS** **S100153856**
West **ST GEORGE FERRY TERMINAL** **NY HIST LTANKS** **N/A**
< 1/8 **S.I., NY**
0.014 mi.
73 ft. **Site 9 of 24 in cluster A**

Relative:
Higher

Actual:
43 ft.

LTANKS:

Site ID:	147817
Spill No:	9102859
Spill Date:	6/7/1991
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/11/1995
Facility Addr2:	Not reported
Cleanup Ceased:	7/11/1995

ST GEORGE FERRY TERMINAL (Continued) **S100153856**

Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	6/11/1991
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:	6/12/1991
Spill Record Last Update:	7/11/1995
Spiller Name:	Not reported
Spiller Company:	NYCDOT
Spiller Address:	BATTERY MARITIME BLDG 3RD
Spiller City,St,Zip:	NY, NY 10004
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	125825
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" / / : 4. / / : .
Remarks:	SATURATED CONTAMINATION GROUNDWATER. THE SPILL WAS EFFECTIVELY CLEANED UP BY NYCDOT UNDER A CONTRACT WITH DIRECT ENVIRONMENTAL. THE TWO #6 F.O. TANKS WERE REMOVED. CASE CLOSED BY K. TANG

Material:

Site ID:	147817
Operable Unit ID:	956734
Operable Unit:	01
Material ID:	425345
Material Code:	0003A
Material Name:	#6 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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

ST GEORGE FERRY TERMINAL (Continued) **S100153856**

Site ID:	147817
Spill No:	9102859
Spill Date:	6/7/1991
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/11/1995
Facility Addr2:	Not reported
Cleanup Ceased:	7/11/1995
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	6/11/1991
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:	6/12/1991
Spill Record Last Update:	7/11/1995
Spiller Name:	Not reported
Spiller Company:	NYCDOT
Spiller Address:	BATTERY MARITIME BLDG 3RD
Spiller City,St,Zip:	NY, NY 10004
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	125825
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" / / : 4. / / : .
Remarks:	SATURATED CONTAMINATION GROUNDWATER. THE SPILL WAS EFFECTIVELY CLEANED UP BY NYCDOT UNDER A CONTRACT WITH DIRECT ENVIRONMENTAL. THE TWO #6 F.O. TANKS WERE REMOVED. CASE CLOSED BY K. TANG

Material:

Site ID:	147817
Operable Unit ID:	956734
Operable Unit:	01
Material ID:	425345
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

ST GEORGE FERRY TERMINAL (Continued) **S100153856**

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	147817
Spill No:	9102859
Spill Date:	6/7/1991
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/11/1995
Facility Addr2:	Not reported
Cleanup Ceased:	7/11/1995
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	6/11/1991
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:	6/12/1991
Spill Record Last Update:	7/11/1995
Spiller Name:	Not reported
Spiller Company:	NYCDOT
Spiller Address:	BATTERY MARITIME BLDG 3RD
Spiller City,St,Zip:	NY, NY 10004
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	125825
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG" / / : 4. / / : .
Remarks:	SATURATED CONTAMINATION GROUNDWATER. THE SPILL WAS EFFECTIVELY CLEANED UP BY NYCDOT UNDER A CONTRACT WITH DIRECT ENVIRONMENTAL. THE TWO #6 F.O. TANKS WERE REMOVED. CASE CLOSED BY K. TANG

Material:

Site ID:	147817
Operable Unit ID:	956734
Operable Unit:	01
Material ID:	425345

ST GEORGE FERRY TERMINAL (Continued) **S100153856**

Material Code:	0003A
Material Name:	#6 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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9102859
Spill Date:	06/07/1991
Spill Time:	12:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/11/95
Cleanup Ceased:	07/11/95
Cleanup Meets Standard:	True
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	06/11/91
Reported to Department Time:	12:00
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCDOT
Spiller Address:	BATTERY MARITIME BLDG 3RD
Spiller City,St,Zip:	NY, NY 10004
Spiller Cleanup Date:	/ /

ST GEORGE FERRY TERMINAL (Continued) **S100153856**

Facility Contact: Not reported
Facility Phone: (212) 806-6981
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/12/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/11/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: / / : 4. / / : .
Spill Cause: SATURATED CONTAMINATION GROUNDWATER. THE SPILL WAS EFFECTIVELY CLEANED UP BY NYCDOT UNDER A CONTRACT WITH DIRECT ENVIRONMENTAL. THE TWO 6 F.O. TANKS WERE REMOVED. CASE CLOSED BY K. TANG

A12 **RICHMOND TERR.& BAY ST/SI** **NY LTANKS** **S102671229**
NW **RICHMOND TERRACE & BAY ST** **NY HIST LTANKS** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.016 mi.
87 ft. **Site 10 of 24 in cluster A**

Relative:
Higher

Actual:
36 ft.

LTANKS:
Site ID: 323510
Spill No: 8708306
Spill Date: 12/26/1987
Spill Cause: Tank Overfill
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Not reported
Spill Closed Dt: 12/26/1987
Facility Addr2: Not reported
Cleanup Ceased: 12/26/1987

RICHMOND TERR.& BAY ST/SI (Continued) **S102671229**

Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	RWAUSTIN
Referred To:	Not reported
Reported to Dept:	12/26/1987
CID:	Not reported
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:	1/25/1988
Spill Record Last Update:	3/13/1989
Spiller Name:	Not reported
Spiller Company:	STATEN ISLAND BORO HALL
Spiller Address:	RICHMOND TERRACE/BAY ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	260614
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
Remarks:	FIRE DEPT APPLYING SPEEDY-DRY, CALLED FIRE DEPT, NO OIL IN SEWERS, CLEANUP BEING HANDLED BY FIRE DEPT, NO RESPONSE REQUIRED BY DEC.

Material:

Site ID:	323510
Operable Unit ID:	912931
Operable Unit:	01
Material ID:	463698
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

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

RICHMOND TERR.& BAY ST/SI (Continued) **S102671229**

HIST LTANKS:

Region of Spill:	2
Spill Number:	8708306
Spill Date:	12/26/1987
Spill Time:	22:03
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	12/26/87
Cleanup Ceased:	12/26/87
Cleanup Meets Standard:	True
Investigator:	AUSTIN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/26/87
Reported to Department Time:	22:57
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	STATEN ISLAND BORO HALL
Spiller Address:	RICHMOND TERRACE/BAY ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Fire Department
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/25/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	03/13/89
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

RICHMOND TERR.& BAY ST/SI (Continued) **S102671229**

Material:

Material Class Type:	Petroleum
Quantity Spilled:	100
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Spill Cause:	FIRE DEPT APPLYING SPEEDY-DRY, CALLED FIRE DEPT, NO OIL IN SEWERS, CLEANUP BEING HANDLED BY FIRE DEPT, NO RESPONSE REQUIRED BY DEC.

B13 **LOT 87,TAXBLOCK 5** **NY E DESIGNATION** **S109528187**
SW **24 BAY STREET** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.018 mi.
93 ft. **Site 3 of 9 in cluster B**

Relative:
Higher

Actual:
48 ft.

E DESIGNATION:

Tax Lot(s):	87
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 BAY STREET, LLC
Lot Area:	000005000
Total Building Floor Area:	00000013479
Commercial Floor Area:	00000013479

LOT 87,TAXBLOCK 5 (Continued) **S109528187**

Office Floor Area:	00000013479
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029295
Total Assessed Value:	00000229500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1915
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.70
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050087
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963086
Y Coordinate:	0172990
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	87
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR

LOT 87,TAXBLOCK 5 (Continued) **S109528187**

Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	26 BAY STREET, LLC
Lot Area:	000005000
Total Building Floor Area:	00000013479
Commercial Floor Area:	00000013479
Office Floor Area:	00000013479
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0050.00
Building Depth:	0080.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029295
Total Assessed Value:	00000229500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1915
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported

LOT 87,TAXBLOCK 5 (Continued) **S109528187**

Built Floor Area Ratio-Far:	0002.70
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050087
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963086
Y Coordinate:	0172990
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

A14
NNW
< 1/8
0.019 mi.
99 ft.

NYC DEPT OF TRANSPORTATION
FERRY MAINTENANCE FACILITY
STATEN ISLAND, NY 10301

RCRA-CESQG **1000446207**
FINDS **NYD986912939**
NJ MANIFEST
NY MANIFEST

Site 11 of 24 in cluster A

Relative:
Lower

Actual:
34 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	NYC DEPT OF TRANSPORTATION
Facility address:	FERRY MAINTENANCE FACILITY 1 BAY ST STATEN ISLAND, NY 10301
EPA ID:	NYD986912939
Contact:	DON WESTLYE
Contact address:	FERRY MAINTENANCE FACILITY STATEN ISLAND, NY 10301
Contact country:	US
Contact telephone:	(718) 876-8336
Contact email:	DWESTLYE@DOT.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

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

Owner/Operator Summary:

Owner/operator name:	NYC DEPT OF TRANSPORATION
Owner/operator address:	FERRY MAINTENANCE FACILITY 1 BAY ST STATEN ISLAND, NY 10301
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF TRANS
Owner/operator address:	FERRY MAINTENANCE FACILITY 1 BAY ST STATEN ISLAND, NY 10301
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
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
Facility name:	NYC DEPT OF TRANSPORTATION
Classification:	Small Quantity Generator

Date form received by agency:	03/31/2004
Facility name:	NYC DEPT OF TRANSPORTATION
Classification:	Small Quantity Generator

Date form received by agency:	07/08/1999
Facility name:	NYC DEPT OF TRANSPORTATION
Site name:	NYC - ST GEORGE FERRY TERMINAL
Classification:	Not a generator, verified

Date form received by agency:	09/14/1990
Facility name:	NYC DEPT OF TRANSPORTATION
Site name:	NYC - ST GEORGE FERRY TERMINAL
Classification:	Small Quantity Generator

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

Violation Status: No violations found

FINDS:

Registry ID: 110009479224

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.

HAZARDOUS WASTE BIENNIAL REPORTER

NJ MANIFEST:

Manifest Code:	NJA5214307
EPA ID:	NYD986912939
Date Shipped:	01/31/2005
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJR000050617
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:	01/31/2005
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:	02/03/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

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:	03090521
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

NY MANIFEST:

EPA ID:	NYD986912939
Country:	USA
Mailing Name:	UNITED STATES DEPT OF TRANSPORTATION
Mailing Contact:	SCOTT HEWITT
Mailing Address:	ST. GEORGE FERRY BAY STREET
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	516-937-0900

Document ID:	NJA5214307
Manifest Status:	Not reported
Trans1 State ID:	NJR000050617
Trans2 State ID:	Not reported
Generator Ship Date:	01/31/2005
Trans1 Recv Date:	01/31/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/03/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	50170
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NJA4151770

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

Manifest Status:	Not reported
Trans1 State ID:	NJR000016279
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2002
Trans1 Recv Date:	11/13/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/13/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	50178
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
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
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
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA4151771
Manifest Status:	Not reported
Trans1 State ID:	NJR000016279
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2002
Trans1 Recv Date:	11/13/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/13/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

TSDF ID:	50178
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00550
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:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
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
Waste Code:	U226 - 1,1,1-TRICHLOROETHANE
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:	01.00
Year:	2002

Document ID:	NJA4118402
Manifest Status:	Not reported
Trans1 State ID:	NJR000016279
Trans2 State ID:	Not reported
Generator Ship Date:	03/12/2003
Trans1 Recv Date:	03/12/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/13/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	50178
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00420
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYB2113704

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XK18WY
Trans2 State ID:	Not reported
Generator Ship Date:	901102
Trans1 Recv Date:	901102
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901102
Part A Recv Date:	901210
Part B Recv Date:	901128
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	NYD000691949
Trans2 EPA ID:	Not reported
TSDF ID:	NYD000691949
Waste Code:	D010 - SELENIUM 1.0 MG/L TCLP
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

Document ID:	NYB2977911
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	DT52451
Trans2 State ID:	Not reported
Generator Ship Date:	901205
Trans1 Recv Date:	901205
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	901217
Part A Recv Date:	910111
Part B Recv Date:	910103
Generator EPA ID:	NYD986912939
Trans1 EPA ID:	MOD095038998
Trans2 EPA ID:	Not reported
TSDF ID:	KSD980964993
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	00395
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

Document ID:	NJA5214307
Manifest Status:	Not reported
Trans1 State ID:	NJR000050617
Trans2 State ID:	Not reported
Generator Ship Date:	01/31/2005
Trans1 Recv Date:	01/31/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/03/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

NYC DEPT OF TRANSPORTATION (Continued) **1000446207**

Generator EPA ID:	NYD986912939
Trans1 EPA ID:	50170
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 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

A15
NNW
< 1/8
0.019 mi.
99 ft.

Relative:
Lower

Actual:
34 ft.

ST GEORGE FERRY TERMINAL **NY HIST UST** **U001837465**
BAY STREET / RICHMOND TERRACE **N/A**
STATEN ISLAND, NY 10310

Site 12 of 24 in cluster A

HIST UST:

PBS Number:	2-400777
SPDES Number:	Not reported
Emergency Contact:	H PERAHIA, DIR
Emergency Telephone:	(212) 806-6927
Operator:	DIR OF FERRY OPER.
Operator Telephone:	(718) 447-4357
Owner Name:	BTO-DOT-CITY OF NEW YORK
Owner Address:	BATTERY MARITIME BLDG
Owner City,St,Zip:	NEW YORK, NY 10004
Owner Telephone:	(212) 806-6927
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	NYC-DOT-BUREAU OF TRANSIT OPERATIONS
Mailing Address:	BATTERY MARITIME BLDG, ROOM 202
Mailing Address 2:	WHITEHALL & SOUTH STREETS
Mailing City,St,Zip:	NEW YORK, NY 10004
Mailing Contact:	HENRY D PERAHIA, P.E.
Mailing Telephone:	(212) 806-6927
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:	BAY STREET / RICHMOND TERRACE
SWIS ID:	6401
Old PBS Number:	Not reported
Facility Type:	UTILITY
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/06/1987
Expiration Date:	10/06/1992
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing

ST GEORGE FERRY TERMINAL (Continued) **U001837465**

Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19521201
Capacity (gals):	15000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
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:	05/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19521201
Capacity (gals):	15000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Not reported
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:	05/01/1992
Test Method:	Not reported

ST GEORGE FERRY TERMINAL (Continued) **U001837465**

Deleted: False
Updated: True
Lat/long: Not reported

A16 NNW < 1/8 0.019 mi. 99 ft. **NYCDOT - ST GEORGE TERMINAL** **RCRA-CESQG** **1000872736**
RICHMOND TER & BAY ST **NY MANIFEST** **NYD987039542**
STATEN ISLAND, NY 10301

Site 13 of 24 in cluster A

Relative: Lower

Actual: 34 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	NYCDOT - ST GEORGE TERMINAL
Facility address:	RICHMOND TER & BAY ST STATEN ISLAND, NY 10301
EPA ID:	NYD987039542
Mailing address:	KENT AVE BROOKLYN, NY 11211
Contact:	MARIO VOLPI
Contact address:	KENT AVE BROOKLYN, NY 11211
Contact country:	US
Contact telephone:	(718) 963-9213
Contact email:	Not reported
EPA Region:	02
Land type:	Municipal
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:	NYCDOT
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 788-1721
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NYCDOT
Owner/operator address:	2 RECTOR ST NEW YORK, NY 10006
Owner/operator country:	US

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Owner/operator telephone: (212) 788-1721
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
Facility name: NYCDOT - ST GEORGE TERMINAL
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2001
Facility name: NYCDOT - ST GEORGE TERMINAL
Site name: NYC DOT
Classification: Large Quantity Generator

Date form received by agency: 09/15/1998
Facility name: NYCDOT - ST GEORGE TERMINAL
Site name: NYC DEPT OF TRANS
Classification: Large Quantity Generator

Date form received by agency: 08/19/1993
Facility name: NYCDOT - ST GEORGE TERMINAL
Classification: Not a generator, verified

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 07/19/2000
Date achieved compliance: 10/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Regulation violated:	Not reported
Area of violation:	Generators - Records/Reporting
Date violation determined:	08/13/1998
Date achieved compliance:	09/22/1998
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/13/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	0
Final penalty amount:	0
Paid penalty amount:	0

Evaluation Action Summary:

Evaluation date:	03/01/2000
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	10/16/2000
Evaluation lead agency:	State

Evaluation date:	03/01/1998
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	09/22/1998
Evaluation lead agency:	State

NY MANIFEST:

EPA ID:	NYD987039542
Country:	USA
Mailing Name:	NYCDOT
Mailing Contact:	JOHN R HOLLIS
Mailing Address:	40 WORTH STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10013
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-815-5411

Document ID:	NJA2747635
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	DEPES8424
Trans2 State ID:	Not reported
Generator Ship Date:	970711
Trans1 Recv Date:	970711
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970729
Part A Recv Date:	Not reported
Part B Recv Date:	970821
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Quantity:	02000
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NJA3120830
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	10/20/1999
Trans1 Recv Date:	10/20/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	06993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	13500
Units:	P - Pounds
Number of Containers:	027
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NJA3128167
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	05/14/1999
Trans1 Recv Date:	05/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S6993
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	39000
Units:	P - Pounds
Number of Containers:	039
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Document ID:	NJA2747656
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:	DEPES8424
Generator Ship Date:	970730
Trans1 Recv Date:	970730
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970814
Part A Recv Date:	Not reported
Part B Recv Date:	970909
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00250
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	MIA3194357
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	931213
Trans1 Recv Date:	931213
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931216
Part A Recv Date:	931223
Part B Recv Date:	940107
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NJD096839154
Trans2 EPA ID:	Not reported
TSDF ID:	MID000724831
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06000
Units:	P - Pounds
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	93

Document ID:	MIA3194462
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:	940218
Trans1 Recv Date:	940218
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940303
Part A Recv Date:	Not reported

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Part B Recv Date:	940414
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NJD096839154
Trans2 EPA ID:	Not reported
TSDF ID:	MID000724831
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01200
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	94

Document ID:	MIA3034418
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:	940629
Trans1 Recv Date:	940629
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940719
Part A Recv Date:	940715
Part B Recv Date:	940804
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NJD986576031
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02500
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	94

Document ID:	NJA2729194
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	DEPES8424
Generator Ship Date:	970527
Trans1 Recv Date:	970527
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970527
Part A Recv Date:	Not reported
Part B Recv Date:	970610
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10400
Units:	P - Pounds
Number of Containers:	013

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NJA2729191
Manifest Status:	Completed copy
Trans1 State ID:	DEPES8424
Trans2 State ID:	Not reported
Generator Ship Date:	970527
Trans1 Recv Date:	970527
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970528
Part A Recv Date:	Not reported
Part B Recv Date:	970610
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12000
Units:	P - Pounds
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	MIA4133643
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	950427
Trans1 Recv Date:	950427
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950510
Part A Recv Date:	950511
Part B Recv Date:	950519
Generator EPA ID:	NYD987039542
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02000
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

A17 NNW < 1/8 0.019 mi. 99 ft. | **ST. GEORGE FERRY TERMINAL**
BAY ST & RICHMOND TERRACE
STATEN ISLAND, NY | **NY Spills** | **S102148762**
NY Hist Spills | **N/A**

Site 14 of 24 in cluster A

Relative: Lower

Actual: 34 ft.

SPILLS:

Facility ID:	9408308
DER Facility ID:	254584
Facility Type:	ER
Site ID:	315784
DEC Region:	2
Spill Number:	9408308
Spill Date:	9/22/1994
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	9/22/1994
SWIS:	4301
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	9/22/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	9/22/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/31/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	ST GEORGE FERRY TERMINAL
Spiller Address:	BAY ST & RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, 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:	TOILETS GOING INTO HOLDING TANKS-TANKS ARE LEAKING-GOING INTO STORM DRAIN.

Material:

Site ID:	315784
Operable Unit ID:	1002430
Operable Unit:	01
Material ID:	377748
Material Code:	0062A
Material Name:	RAW SEWAGE
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

ST. GEORGE FERRY TERMINAL (Continued) **S102148762**

Site ID:	315784
Operable Unit ID:	1002430
Operable Unit:	01
Material ID:	377747
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9408308
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/22/1994 12:34
Reported to Dept Date/Time:	09/22/94 12:34
SWIS:	64
Spiller Name:	ST GEORGE FERRY TERMINAL
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	BAY ST & RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	09/22/94
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /

ST. GEORGE FERRY TERMINAL (Continued) **S102148762**

Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 09/22/94
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/31/94
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: RAW SEWAGE
Class Type: RAW SEWAGE
Times Material Entry In File: 1993
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: TOILETS GOING INTO HOLDING TANKS-TANKS ARE LEAKING-GOING INTO STORM DRAIN.

A18 **MANHOLE #37** **NY Spills** **S106721198**
NNW **BAY/RICHMOND TERRACE** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.019 mi.
99 ft. **Site 15 of 24 in cluster A**

Relative:
Lower

Actual:
34 ft.

SPILLS:
Facility ID: 0407764
DER Facility ID: 267460
Facility Type: ER
Site ID: 332302
DEC Region: 2

MANHOLE #37 (Continued) **S106721198**

Spill Number:	0407764
Spill Date:	10/13/2004
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.
Spill Closed Date:	12/27/2004
SWIS:	4301
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	10/13/2004
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:	10/13/2004
Spill Record Last Update:	12/27/2004
Spiller Name:	ERT DESK
Spiller Company:	M,ANHOLE #37
Spiller Address:	BAY/RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	Employee discovered a mixture of oil and water (approx. 20 gallons) on top of water within the manhole. No sewers or waterways involved. He was unable to determine whether or not the leak originated from the cable in the manhole. Spill is contained in the manhole. A sample was taken and is being submitted to the Chem Lab for analysis. Cleanup is pending awaitingsample results. 10/13/04 ... 1330 hrs. UPDATE... Actual approx. amount of oil/water mix is 1 pt. of unknown oil in 20 gallons of water in manhole # 37 on Bay St. & Richmond Terrace....TB10/25/04 1553 hrs.....UPDATE: Received copy of lab analysis on 10/14/04. Results showed oil contained less than 1 ppm PCB (LSN04-08329-001) and oil ID indicated the presence of a cable oil (LSN 04-08330-001).Contractor "Clean Venture" was summoned to perform cleanup of the manhole on 10/20/04. All the oily water and sludge/debris was removed from the manhole. The sidewalls and bottom of the manhole was then flushed cleaned with water. As a result of this cleanup, a total of 350 gal of oily water mixed with debris was generated. It was shipped to Cycle Chem located at Elizabeth, NJ for disposal as non-hazardous waste. Cleanup completed on 10/20/04 at 1300 hrs.
Remarks:	NO TO 5 QUESTIONS; CLEAN UP PENDING RESULTS: CONED # 155808

Material:

Site ID:	332302
Operable Unit ID:	1094550
Operable Unit:	01
Material ID:	574659
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM

MANHOLE #37 (Continued) **S106721198**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

A19
NNW
< 1/8
0.019 mi.
99 ft.

ONE PINT CABLE OIL IN MANHOLE 37
RICHMOND TERRACE & BAY STREET
STATEN ISLAND, NY

NY Spills **S108294385**
N/A

Site 16 of 24 in cluster A

Relative:
Lower

Actual:
34 ft.

SPILLS:

Facility ID:	0607219
DER Facility ID:	320557
Facility Type:	ER
Site ID:	370745
DEC Region:	2
Spill Number:	0607219
Spill Date:	9/23/2006
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/20/2008
SWIS:	4301
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	9/23/2006
CID:	74
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:	9/23/2006
Spill Record Last Update:	2/20/2008
Spiller Name:	Not reported
Spiller Company:	CON EDISON

ONE PINT CABLE OIL IN MANHOLE 37 (Continued) **S108294385**

Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	02/20/08 - See eDocs for Con Ed report detailing cleanup and closure.202603. see eDocs
Remarks:	1 pintneed to deenergize the feeder prior to cleanupref 202603

Material:

Site ID:	370745
Operable Unit ID:	1128534
Operable Unit:	01
Material ID:	2118151
Material Code:	0020B
Material Name:	CABLE OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

B20 **ST. GEORGE POST OFFICE** **NY UST** **U003712130**
SSW **45 BAY STREET** **NY HIST UST** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.020 mi.
105 ft. **Site 4 of 9 in cluster B**

Relative:
Higher

Actual:
54 ft.

UST:

Facility Id:	2-604284
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/06/05
UTM X:	578147.70606
UTM Y:	4499294.3856600001

Affiliation Records:

Site Id:	26163
Affiliation Type:	Owner
Company Name:	UNITED STATES POSTAL SERVICE ENVIRONMENTAL
Contact Type:	POSTMASTER

ST. GEORGE POST OFFICE (Continued) **U003712130**

Contact Name:	DENNIS DESPOSITO
Address1:	142-02 20TH AVE. 3RD FL
Address2:	Not reported
City:	FLUSHING
State:	NY
Zip Code:	11351
Country Code:	001
Phone:	(718) 321-5791
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/27/2007

Site Id:	26163
Affiliation Type:	Mail Contact
Company Name:	U.S. POSTAL SERVICE
Contact Type:	Not reported
Contact Name:	MANAGER
Address1:	ST. GEORGE STATION
Address2:	45 BAY STREET
City:	STATEN ISLAND
State:	NY
Zip Code:	10301-9997
Country Code:	001
Phone:	(718) 981-0612
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/27/2007

Site Id:	26163
Affiliation Type:	On-Site Operator
Company Name:	ST. GEORGE POST OFFICE
Contact Type:	Not reported
Contact Name:	POSTMASTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 727-7049
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/27/2007

Site Id:	26163
Affiliation Type:	Emergency Contact
Company Name:	UNITED STATES POSTAL SERVICE ENVIRONMENTAL
Contact Type:	Not reported
Contact Name:	STEVE KOWAL
Address1:	Not reported
Address2:	Not reported

ST. GEORGE POST OFFICE (Continued) **U003712130**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 816-2748
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	4/27/2007

Equipment Records:

D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A01 - Tank Internal Protection - Epoxy Liner
B02 - Tank External Protection - Original Sacrificial Anode
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	26163
Tank Number:	001
Tank ID:	57280
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	6000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1999
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	26163
Tank Number:	002
Tank ID:	57281
Tank Status:	In Service

ST. GEORGE POST OFFICE (Continued) **U003712130**

Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	06/01/1999
Capacity Gallons:	6000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-604284
SPDES Number:	Not reported
Emergency Contact:	WILLIAM J. SMITH
Emergency Telephone:	(973) 645-6155
Operator:	BILL PELTIER
Operator Telephone:	(718) 720-8750
Owner Name:	U.S. GENERAL SERVICES ADMINISTRATION
Owner Address:	970 BROAD STREET
Owner City,St,Zip:	NEWARK, NJ 07102
Owner Telephone:	(973) 645-6155
Owner Type:	Federal Government
Owner Subtype:	Not reported
Mailing Name:	U.S. GENERAL SERVICES ADMINISTRATION
Mailing Address:	MARTIN LUTHER KING, JR. FEDERAL BUILDING
Mailing Address 2:	50 WALNUT STREET
Mailing City,St,Zip:	NEWARK, NJ 07102
Mailing Contact:	WILLIAM J. SMITH
Mailing Telephone:	(973) 645-6155
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:	45 BAY STREET
SWIS ID:	6401
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:	12/07/1999
Expiration Date:	11/17/2004
Renew Flag:	False
Renewal 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

ST. GEORGE POST OFFICE (Continued) **U003712130**

Town or City:	NEW YORK CITY
County Code:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	6000
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:	None
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:	11/01/1999
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19991101
Capacity (gals):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	None
Tank External:	24
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Jacketed
Second Containment:	Vault (w/access)
Leak Detection:	41
Overfill Prot:	High Level Alarm, Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	11/01/2014
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

B21 SW < 1/8 0.020 mi. 108 ft. | **LOT 95,TAXBLOCK 5**
40 BAY STREET
STATEN ISLAND, NY 10301

Site 5 of 9 in cluster B

NY E DESIGNATION | **S109528195**
N/A

Relative: Higher

Actual: 55 ft.

E DESIGNATION:

Tax Lot(s):	95
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K5
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	CHRISTOS & PEGGY LOUK
Lot Area:	000007500
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000003500
Office Floor Area:	00000000000
Retail Floor Area:	00000003500
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0100.00
Building Frontage:	0070.83
Building Depth:	0050.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5

LOT 95,TAXBLOCK 5 (Continued) **S109528195**

Basement Type Grade:	5
Land Assessed Value:	00000045000
Total Assessed Value:	00000120600
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1969
Year Built Code:	Not reported
Year Altered1:	1985
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.47
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050095
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963111
Y Coordinate:	0172832
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	95
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2

LOT 95,TAXBLOCK 5 (Continued) **S109528195**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K5
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	CHRISTOS & PEGGY LOUK
Lot Area:	000007500
Total Building Floor Area:	00000003500
Commercial Floor Area:	00000003500
Office Floor Area:	00000000000
Retail Floor Area:	00000003500
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0100.00
Building Frontage:	0070.83
Building Depth:	0050.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000045000
Total Assessed Value:	00000120600
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1969
Year Built Code:	Not reported
Year Altered1:	1985
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.47
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050095
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963111
Y Coordinate:	0172832
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 95,TAXBLOCK 5 (Continued) **S109528195**

Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

A22
NNW
< 1/8
0.023 mi.
121 ft.

NYC DEPT OF CITYWIDE ADMIN SERVICES
2-10 RICHMOND TERRACE
STATEN ISLAND, NY 10301

NY MANIFEST **S108651219**
N/A

Site 17 of 24 in cluster A

Relative:
Lower

Actual:
35 ft.

NY MANIFEST:

EPA ID:	NYR000040242
Country:	USA
Mailing Name:	NYC DEPT OF CITYWIDE ADMIN SERVICES
Mailing Contact:	NYC DEPT OF CITYWIDE ADMIN SERVICES
Mailing Address:	ONE CENTRE STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10007
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	973-345-8020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	2007-05-04
Trans1 Recv Date:	2007-05-04
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2007-05-17
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000040242
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2007
Manifest Tracking Num:	001026432JJK
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

NYC DEPT OF CITYWIDE ADMIN SERVICES (Continued) **S108651219**

Mgmt Method Type Code: H111

Document ID: 07
Manifest Status: 001026432JJK
Trans1 State ID: NYR000040242
Trans2 State ID: Not reported
Generator Ship Date: MID980991566
Trans1 Recv Date: Not reported
Trans2 Recv Date: NJD054126164
TSD Site Recv Date: Not reported
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: N
Trans1 EPA ID: N
Trans2 EPA ID: N
TSDF ID: N
Waste Code: N
Quantity: Not reported
Units: 2
Number of Containers: DM
Container Type: 400
Handling Method: P
Specific Gravity: 1
Waste Code: T
Quantity: Not reported
Units: Not reported
Number of Containers: Not reported
Container Type: Not reported
Handling Method: Not reported
Specific Gravity: Not reported
Year: Not reported

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD054126164
Trans2 State ID: Not reported
Generator Ship Date: 5/4/2007
Trans1 Recv Date: 5/4/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 5/17/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000040242
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: MID980991566
Waste Code: Not reported
Quantity: 400
Units: P - Pounds
Number of Containers: 2
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2007
Manifest Tracking Num: 001026432JJK

NYC DEPT OF CITYWIDE ADMIN SERVICES (Continued) **S108651219**

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

A23
North
< 1/8
0.026 mi.
138 ft.

1 RICHMOND TERRACE **NY Hist Spills** **S102150288**
1 RICHMOND TERRACE **N/A**
STATEN ISLAND, NY

Site 18 of 24 in cluster A

Relative:
Lower

Actual:
33 ft.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9503012
Investigator:	KRIMGOLD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/09/1995 12:35
Reported to Dept Date/Time:	06/09/95 13:33
SWIS:	64
Spiller Name:	STATEN ISLAND FERRY
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	SAME
Spiller City,St,Zip:	Not reported
Spill Cause:	Human Error
Reported to Dept:	Surface Water
Water Affected:	EAST RIVER
Spill Source:	10
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	06/09/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/09/95
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/20/95
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /

1 RICHMOND TERRACE (Continued) **S102150288**

Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: APPROXIMATELY 1 PINT SPILLED DOING FUELING OPS

A24 **NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL** **RCRA-LQG** **1000694277**
North **ST GEORGE S I FERRY TERMINAL** **FINDS** **NYD987005816**
< 1/8 **STATEN ISLAND, NY 10301** **NJ MANIFEST**
0.026 mi.
138 ft. **Site 19 of 24 in cluster A**

Relative:
Lower

Actual:
33 ft.

RCRA-LQG:
Date form received by agency: 03/07/2012
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Facility address: ST GEORGE S I FERRY TERMINAL
OVER SIRR
STATEN ISLAND, NY 10301
EPA ID: NYD987005816
Mailing address: WATER ST
5TH FLOOR
NEW YORK, NY 10041
Contact: ALEX BEZCHASTNOV
Contact address: WATER ST 5TH FLOOR
NEW YORK, NY 10041
Contact country: US
Contact telephone: (212) 839-6613
Contact email: ABEZCHASTNOV@DOT.NYC.GOV
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

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	NYCDOT
Owner/operator address:	WATER ST 5TH FLOOR NEW YORK, NY 10041
Owner/operator country:	US
Owner/operator telephone:	(212) 839-6613
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1971
Owner/Op end date:	Not reported

Owner/operator name:	NYCDOT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1972
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF TRANSPORATION
Owner/operator address:	STATEN ISL FERRY ST GEORGE TER 1 RICHMOND TER STATEN ISLAND, NY 10301
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYCDOT
Owner/operator address:	1 RICHMOND TER STATEN ISLAND, NY 10301
Owner/operator country:	Not reported
Owner/operator telephone:	(718) 447-4357
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NY CITY OF DEPT OF TRANSPORATION
Owner/operator address:	STATEN ISL FERRY ST GEORGE TER 1 RICHMOND TER STATEN ISLAND, NY 10301
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

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: 02/19/2010
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: NYCDOT BIN 226970 - REHABILITATION OF RAMPS STRUCTURE
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: ST GEORGE FERRY TERMINAL-STATEN ISLAND
Classification: Small Quantity Generator

Date form received by agency: 03/08/2006
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: ST GEORGE FERRY TERMINAL-STATEN ISLAND
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/07/2006
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: ST GEORGE FERRY TERMINAL-STATEN ISLAND
Classification: Small Quantity Generator

Date form received by agency: 03/31/2004
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: NYC DEPT OF TRANSPORATION
Classification: Small Quantity Generator

Date form received by agency: 01/30/2003
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: NYCDOT - ST GEORGE FERRY TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 07/08/1999
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: NYSDOT ST GEORGE FERRY TERMINAL
Classification: Not a generator, verified

Date form received by agency: 06/12/1992
Facility name: NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL
Site name: NYSDOT ST GEORGE FERRY TERMINAL
Classification: Large Quantity Generator

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: X001
Waste name: WASTE OILS

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004491256

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.

HAZARDOUS WASTE BIENNIAL REPORTER

FIS (New York - Facility Information System) is New York's Department

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NJ MANIFEST:

Manifest Code:	001028824JJK
EPA ID:	NYD987005816
Date Shipped:	01/29/2009
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:	01/29/2009
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:	01/29/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	8
Unit:	G

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Hand Code:	H061

Manifest Code:	006877491JJK
EPA ID:	NYD987005816
Date Shipped:	11/08/2010
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:	11/08/2010
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:	11/08/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H141

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Manifest Code:	NJA5212338
EPA ID:	NYD987005816
Date Shipped:	03/22/2005
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
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:	03/22/2005
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:	03/22/2005
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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:	06140522
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	001056086GBF

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

EPA ID:	NYD987005816
Date Shipped:	10/7/2011
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	CLEAN VENTURE, INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CYCLE CHEM INC
QTY Units:	gallons
Transporter SEQ ID:	1.00
Transporter-1 Date:	10/7/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D035
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:	10/7/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	55.00
Unit:	gallons
Hand Code:	H141

Manifest Code:	001269568FLE
EPA ID:	NYD987005816

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Date Shipped:	09/29/2010
TSDF EPA ID:	NJD045995693
Transporter EPA ID:	NJD986588630
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:	09/29/2010
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:	09/29/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15000
Unit:	P
Hand Code:	H039

Manifest Code:	006088544JJK
EPA ID:	NYD987005816
Date Shipped:	08/24/2010

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

TSDF EPA ID:	NJD045995693
Transporter EPA ID:	NJD986588630
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:	08/24/2010
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:	08/25/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	23000
Unit:	P
Hand Code:	H039

Manifest Code:	007725501JJK
EPA ID:	NYD987005816
Date Shipped:	1/31/2011
TSDF EPA ID:	NJD991291105

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	1/31/2011
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:	2/8/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	5,900.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	007725502JJK
EPA ID:	NYD987005816
Date Shipped:	3/7/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	3/7/2011
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:	3/8/2011
Manifest Discrepancy Type:	Other
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	6,600.00
Unit:	Pounds
Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	6,600.00
Unit:	Pounds
Hand Code:	H141

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Manifest Code:	007725502JJK
EPA ID:	NYD987005816
Date Shipped:	3/7/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	3/7/2011
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:	3/8/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	6,600.00
Unit:	Pounds
Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	6,600.00

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725503JJK
EPA ID:	NYD987005816
Date Shipped:	3/10/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	3/10/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D007
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:	3/18/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	24,160.00
Unit:	Pounds

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Hand Code:	H111

Manifest Code:	007725506JJK
EPA ID:	NYD987005816
Date Shipped:	3/31/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	3/31/2011
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:	3/31/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	9,360.00
Unit:	Pounds
Hand Code:	H141

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Manifest Code:	007725510JJK
EPA ID:	NYD987005816
Date Shipped:	1/19/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	1/19/2011
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:	1/19/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	4,080.00
Unit:	Pounds
Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	4,080.00

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725510JJK
EPA ID:	NYD987005816
Date Shipped:	1/19/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	1/19/2011
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:	1/19/2011
Manifest Discrepancy Type:	Type
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	4,080.00
Unit:	Pounds

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	4,080.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725516JJK
EPA ID:	NYD987005816
Date Shipped:	5/18/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	5/18/2011
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:	5/18/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	13,860.00
Unit:	Pounds
Hand Code:	H111
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	13,860.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	007725516JJK
EPA ID:	NYD987005816
Date Shipped:	5/18/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	5/18/2011
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

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Date Accepted:	5/18/2011
Manifest Discrepancy Type:	Type
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	13,860.00
Unit:	Pounds
Hand Code:	H111

Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	13,860.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	007725518JJK
EPA ID:	NYD987005816
Date Shipped:	6/20/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	6/20/2011
Waste SEQ ID:	1.00

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

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:	6/20/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	22,360.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725519JJK
EPA ID:	NYD987005816
Date Shipped:	7/6/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/6/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

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:	7/6/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	9,500.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725520JJK
EPA ID:	NYD987005816
Date Shipped:	7/14/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/14/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	7/14/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	20,000.00
Unit:	Pounds
Hand Code:	H111

Manifest Code:	007725522JJK
EPA ID:	NYD987005816
Date Shipped:	7/22/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/22/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	7/25/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	13,000.00
Unit:	Pounds
Hand Code:	H141

Manifest Code:	007725523JJK
EPA ID:	NYD987005816
Date Shipped:	7/22/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD986588630
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
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	ST GEORGE FERRY TERMINAL
Transporter-1 EPA Facility Name:	ALL STATE ORC INC
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	7/22/2011
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

NYCDOT ST GEORGE STATEN ISLAND FERRY TERMINAL (Continued) **1000694277**

Waste Type Code 6:	Not reported
Date Accepted:	7/22/2011
Manifest Discrepancy Type:	Quantity
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	7,580.00
Unit:	Pounds
Hand Code:	H141

A25 **STATEN ISLAND FERRY** **NY Hist Spills** **S102148546**
North **1 RICHMOND TERR** **N/A**
< 1/8 **STATIN ISLAND, NY**
0.026 mi.
138 ft. **Site 20 of 24 in cluster A**

Relative:
Lower

Actual:
33 ft.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9701294
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/29/1997 11:00
Reported to Dept Date/Time:	04/29/97 11:31
SWIS:	64
Spiller Name:	STATEN ISLAND FERRY
Spiller Contact:	BILL KAIN
Spiller Phone:	(718) 390-5366
Spiller Contact:	BILL KAIN
Spiller Phone:	(718) 390-5366
Spiller Address:	1 RICHMOND TERR
Spiller City,St,Zip:	STATEN ISLAND, NY 10301-
Spill Cause:	Human Error
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	10
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/29/97

STATEN ISLAND FERRY (Continued) **S102148546**

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/29/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/30/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 20
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 20
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: CALLED USCG, CONFIRMED THAT NO RELEASE IN THE WATER. SPILL WAS CLEANED UP ON DECK.
Remark: FUEL OIL CAME OUT OF THE VENT WHILE FILLING THE FERRY - FUEL SPILLED ONTO THE FERRY S DECK AND IT WAS CLEANED UP WITH ABSORBANTS

A26 **STATEN ISLAND FERRY TERMI** **NY HIST LTANKS** **S102234423**
North **1 RICHMOND TERRACE** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.026 mi.
138 ft. **Site 21 of 24 in cluster A**

Relative:
Lower

Actual:
33 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9511154
Spill Date: 12/05/1995
Spill Time: 13:15
Spill Cause: Tank Overfill
Resource Affectd: Surface Water
Water Affected: NEW YORK HARBOUR
Spill Source: Vessel
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/05/95
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: MARTINKAT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported

STATEN ISLAND FERRY TERMI (Continued) **S102234423**

Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 12/05/95
Reported to Department Time: 14:15
SWIS: 64
Spiller Contact: CHARLES NOTO
Spiller Phone: (718) 390-5255
Spiller Extention: Not reported
Spiller Name: STATEN ISLAND FERRY TERMI
Spiller Address: 1 RICHMOND TERRACE
Spiller City,St,Zip: STATEN ISLAND, NY
Spiller Cleanup Date: / /
Facility Contact: CHARLES NOTO
Facility Phone: (718) 390-5255
Facility Extention: Not reported
Spill Notifier: Federal Government
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/05/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 12/06/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL. 1 GALLON ONTO DECK OF SHIP, 1 GALLON INTO WATER. CONTRACTOR ON SCENE CLEANING UP SPILL.

A27 North < 1/8 0.026 mi. 138 ft. | **STATEN ISLAND FERRY TERM.**
1 RICHMOAND TERRACE
STATEN ISLAND, NY | **NY Hist Spills** | **S104495729**
N/A

Site 22 of 24 in cluster A

Relative: Lower

Actual: 33 ft.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9405756
Investigator:	ZHITOMIRSKY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/27/1994 15:30
Reported to Dept Date/Time:	07/28/94 10:08
SWIS:	64
Spiller Name:	NYC TRANSIT AUTHORITY
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Housekeeping
Reported to Dept:	Air
Water Affected:	0
Spill Source:	07
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	07/06/95
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/06/95
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/18/94
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/07/95
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	3
Unkonwn Quantity Spilled:	False

STATEN ISLAND FERRY TERM. (Continued) **S104495729**

Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	WASTE OIL
Class Type:	WASTE OIL
Times Material Entry In File:	9509
CAS Number:	Not reported
Last Date:	19940927
DEC Remarks:	Not reported
Remark:	BUS CHANGING OIL-CLEANED WITH SPEEDY DRY.

A28 **STATIN ISLAND FERRY TERM** **NY LTANKS** **S104502810**
North **1 RICHMOND TERR** **NY Spills** **N/A**
< 1/8 **STATIN ISLAND, NY** **NY Hist Spills**
0.026 mi.
138 ft. **Site 23 of 24 in cluster A**

Relative:
Lower

Actual:
33 ft.

LTANKS:

Site ID:	206646
Spill No:	9511154
Spill Date:	12/5/1995
Spill Cause:	Tank Overfill
Spill Source:	Vessel
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/5/1995
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	12/5/1995
CID:	266
Water Affected:	NEW YORK HARBOUR
Spill Notifier:	Federal Government
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/5/1995
Spill Record Last Update:	12/6/1995
Spiller Name:	CHARLES NOTO
Spiller Company:	STATEN ISLAND FERRY TERMI
Spiller Address:	1 RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	CHARLES NOTO
Spiller Phone:	(718) 390-5255
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	171546
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	TANK OVERFILL. 1 GALLON ONTO DECK OF SHIP, 1 GALLON INTO WATER. CONTRACTOR ON SCENE CLEANING UP SPILL.

STATIN ISLAND FERRY TERM (Continued) **S104502810**

Material:

Site ID:	206646
Operable Unit ID:	1025456
Operable Unit:	01
Material ID:	358505
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

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

SPILLS:

Facility ID:	9405756
DER Facility ID:	171546
Facility Type:	ER
Site ID:	212196
DEC Region:	2
Spill Number:	9405756
Spill Date:	7/27/1994
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	7/6/1995
SWIS:	4301
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	7/28/1994
CID:	Not reported
Water Affected:	0
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	7/6/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/18/1994
Spill Record Last Update:	6/7/1995

STATIN ISLAND FERRY TERM (Continued) **S104502810**

Spiller Name:	Not reported
Spiller Company:	NYC TRANSIT AUTHORITY
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 "ZHITOMIRSKY"
Remarks:	BUS CHANGING OIL-CLEANED WITH SPEEDY DRY.

Material:

Site ID:	212196
Operable Unit ID:	1002960
Operable Unit:	01
Material ID:	382339
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	9503012
DER Facility ID:	171546
Facility Type:	ER
Site ID:	206645
DEC Region:	2
Spill Number:	9503012
Spill Date:	6/9/1995
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	6/9/1995
SWIS:	4301
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	6/9/1995
CID:	Not reported
Water Affected:	EAST RIVER
Spill Source:	Vessel

STATIN ISLAND FERRY TERM (Continued) **S104502810**

Spill Notifier:	Federal Government
Cleanup Ceased:	6/9/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/20/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	STATEN ISLAND FERRY
Spiller Address:	SAME
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 "KRIMGOLD"
Remarks:	APPROXIMATELY 1 PINT SPILLED DOING FUELING OPS

Material:

Site ID:	206645
Operable Unit ID:	1017598
Operable Unit:	01
Material ID:	368063
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9613646
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported

STATIN ISLAND FERRY TERM (Continued) **S104502810**

Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/20/1997 14:00
Reported to Dept Date/Time:	02/20/97 14:50
SWIS:	64
Spiller Name:	SAME
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	BILL KAIN
Spiller Phone:	(718) 390-5366
Spiller Address:	Not reported
Spiller City,St,Zip:	-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/20/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	02/20/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	02/21/97
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	2
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	1
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728

STATIN ISLAND FERRY TERM (Continued) **S104502810**

DEC Remarks: SPOKE TO CHARLES CAVALO OF ST. GEORGE FERRY, HE SAID IT WAS ONLY A MINOR SPILL FROM A PUMP THAT WAS CAUGHT BY A DRIP PAN. ALL CLEANED UP AND WILL BE REPAIRED.

Remark: ABANDONED FUEL STATION FOR THE STATIN ISLAND FERRY - CASING ON PUMP CRACKED CAUSING APPROX 2 GAL OF MATERAL TO LEAK OUT - THEY WERE ABLE TO RECOVER 1 GAL - NO WATER EFFECTED ONLY LAND

A29
NNW
< 1/8
0.035 mi.
183 ft.

NYC - STATEN ISLAND BOROUGH HALL **RCRA-NonGen** **1001113439**
10 RICHMOND TER **FINDS** **NYR000024299**
STATEN ISLAND, NY 10301 **NY LTANKS**
NY MANIFEST

Site 24 of 24 in cluster A

Relative:
Lower

Actual:
35 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYC - STATEN ISLAND BOROUGH HALL
Facility address:	10 RICHMOND TER STATEN ISLAND, NY 10301
EPA ID:	NYR000024299
Mailing address:	RICHMOND TER STATEN ISLAND, NY 10301
Contact:	Not reported
Contact address:	RICHMOND TER STATEN ISLAND, NY 10301
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:	NYC OFFICE OF ENERGY CONSERVATION
Owner/operator address:	1 CENTRE ST NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8710
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYC OFFICE OF ENERGY CONSERVATION
Owner/operator address:	1 CENTRE ST NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8710
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

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

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
Facility name: NYC - STATEN ISLAND BOROUGH HALL
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NYC - STATEN ISLAND BOROUGH HALL
Classification: Not a generator, verified

Date form received by agency: 05/21/1996
Facility name: NYC - STATEN ISLAND BOROUGH HALL
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004525256

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.

LTANKS:
Site ID: 400632
Spill No: 0803835
Spill Date: 7/1/2008
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.
Spill Closed Dt: Not reported
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4301
Investigator: MXAJOKU
Referred To: Not reported
Reported to Dept: 7/2/2008
CID: 408
Water Affected: Not reported

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	7/2/2008
Spill Record Last Update:	10/13/2010
Spiller Name:	ED MALLIEN
Spiller Company:	STATEN ISLAND BOROUGH
Spiller Address:	10 RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	999
Spiller Contact:	ED MALLIEN
Spiller Phone:	(718) 556-7371
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	349913
DEC Memo:	TTF letter sent - see eDocs"Green Card" receipt shows mailing was accepted by B. Schnetzler at NYC DCS on 8/13/08 see eDocs
Remarks:	PBS No: 2-216992BOTH TANK FAILED THEY ARE NEXT TO EACH OTHER; HISSING SOUND; ULAGE PORTION LEAK;

Material:

Site ID:	400632
Operable Unit ID:	1157450
Operable Unit:	01
Material ID:	2148470
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:	400632
Spill Tank Test:	2486414
Tank Number:	1
Tank Size:	10000
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	7/2/2008
Test Method:	Unknown
Site ID:	400632
Spill Tank Test:	2486415
Tank Number:	2
Tank Size:	10000
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

Last Modified:	7/2/2008
Test Method:	Unknown

Site ID:	443179
Spill No:	1009619
Spill Date:	12/9/2010
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.
Spill Closed Dt:	3/21/2011
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	BKFALVEY
Referred To:	Not reported
Reported to Dept:	12/9/2010
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:	12/9/2010
Spill Record Last Update:	3/21/2011
Spiller Name:	Not reported
Spiller Company:	BORO HALL
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	ED
Spiller Phone:	(718) 556-7371
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	349913
DEC Memo:	Contact: Dario Vasquez 212-669-7245 Dept of City Services3/5/11 Yesterday received call from Dario vazquez of Citiwide Services He wanted to know what documentation was needed for closure of the case. I called him back today. He told me the vent failed and no contamination found. I told him to submit a letter from 3rd party and ttt report. He also told me tank passed tightness test yesterday. bf3/21/11 Received letter from Thomas Decker of NYC Citywide Administrative Services that included a letter from Crescent Contracting Corp and a tightness test report. Tank failed because of ventline. No evidence of contamination. bf
Remarks:	10000gal ust Tank 2

Material:

Site ID:	443179
Operable Unit ID:	1193652
Operable Unit:	01
Material ID:	2189114
Material Code:	0001A
Material Name:	#2 Fuel Oil

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY MANIFEST:

EPA ID:	NYR000024299
Country:	USA
Mailing Name:	NYC STATEN ISLAND BOROUGH
Mailing Contact:	JOHN BLAKE
Mailing Address:	10 RICHMOND TERRACE
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	914-681-6384

Document ID:	NYB8030142
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7946
Trans2 State ID:	Not reported
Generator Ship Date:	960801
Trans1 Recv Date:	960801
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960805
Part A Recv Date:	960826
Part B Recv Date:	960918
Generator EPA ID:	NYR000024299
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00700
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00420
Units:	P - Pounds
Number of Containers:	014
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:	96

Document ID:	NYB8031591
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PTH7946
Trans2 State ID:	Not reported
Generator Ship Date:	960926
Trans1 Recv Date:	960926
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961007
Part A Recv Date:	961104
Part B Recv Date:	961122
Generator EPA ID:	NYR000024299
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00500
Units:	P - Pounds
Number of Containers:	005
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
Waste Code:	Not reported
Quantity:	00890
Units:	P - Pounds
Number of Containers:	013
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:	96

B30 **STATEN ISLAND COLLEGE** **NY Spills** **S102240317**
SSW **50 BAY ST** **NY Hist Spills** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.037 mi.
193 ft. **Site 6 of 9 in cluster B**

Relative:
Higher

Actual:
56 ft.

SPILLS:

Facility ID:	9603981
DER Facility ID:	90285
Facility Type:	ER
Site ID:	101917
DEC Region:	2
Spill Number:	9603981
Spill Date:	6/24/1996
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.

STATEN ISLAND COLLEGE (Continued) **S102240317**

	Corrective action taken.
Spill Closed Date:	6/25/1996
SWIS:	4301
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	6/24/1996
CID:	275
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:	6/24/1996
Spill Record Last Update:	7/10/1996
Spiller Name:	CALLER
Spiller Company:	STATEN ISLAND COLLEGE
Spiller Address:	50 BAY ST
Spiller City,St,Zip:	STATEN ISLAND, 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 "MARTINKAT"6:25 UNABLE TO CONTACT TEDDY REFER TO DEP HAZMAT6/25 SPOKE TO TEDDY 448-5341. CALLED HAZMAT-CASE ASSIGNED TO CHRIS HAAS 595-4664. GAVE TED THE INFO.7/10/96 HEALTH DEPT CALLED. EDWARD COTLER NEEDS ADDTIONAL PHONE#S FOR TEDDY. GAVE HIM ALL INFO THAT I HAD -ALSO DEP NAME AND #- FOR HIS INVESTIGATION. DOH BUREAU OF RADIOLOGICAL HEALTH.
Remarks:	abandoned college building that caller believes is contaminated with radioactive materials - research building at the college - caller would like a call back

Material:

Site ID:	101917
Operable Unit ID:	1031637
Operable Unit:	01
Material ID:	350254
Material Code:	1562A
Material Name:	RADIOACTIVE MATERIALS/WASTES
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

STATEN ISLAND COLLEGE (Continued) **S102240317**

Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9603981
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/24/1996 09:00
Reported to Dept Date/Time:	06/24/96 08:56
SWIS:	64
Spiller Name:	STATEN ISLAND COLLEGE
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	50 BAY ST
Spiller City,St,Zip:	STATEN ISLAND
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
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.
Spill Closed Dt:	06/25/96
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/24/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/10/96
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

STATEN ISLAND COLLEGE (Continued) **S102240317**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: RADIOACTIVE MATERIALS/WASTES
Class Type: RADIOACTIVE MATERIALS/WASTES
Times Material Entry In File: 10
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: 6:25 UNABLE TO CONTACT TEDDY REFER TO DEP HAZMAT 6/25 SPOKE TO TEDDY 448-5341. CALLED HAZMAT-CASE ASSIGNED TO CHRIS HAAS 595-4664. GAVE TED THE INFO. 7/10/96 HEALTH DEPT CALLED. EDWARD COTLER NEEDS ADDTIONAL PHONE S FOR TEDDY. GAVE HIM ALL INFO THAT I HAD -ALSO DEP NAME AND - FOR HIS INVESTIGATION. DOH BUREAU OF RADIOLOGICAL HEALTH.
Remark: abandoned college building that caller believes is contaminated with radioactive materials - research building at the college - caller would like a call back

---

B31 **LOT 103,TAXBLOCK 5** **NY E DESIGNATION** **S109527549**
SSW **56 BAY STREET** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.045 mi.
240 ft. **Site 7 of 9 in cluster B**

Relative:
Higher

Actual:
55 ft.

E DESIGNATION:
Tax Lot(s): 103
E-No: E-217
Effective Date: 10/23/2008
Satisfaction Date: Not reported
Ceqr Number: 08DCP070R
Ulurp Number: 080426ZMR
Zoning Map No: 21c
Description: Air Quality - HVAC fuel limited to natural gas
Borough Code: SI
Community District: 501
Census Tract: 3
Census Block: 1004
School District: 31
City Council District: 49
Fire Company: L078
Health Area: 51
Police Precinct: 120
Zone District 1: C4-2
Zone District 2: Not reported
Commercial Overlay1: Not reported
Commercial Overlay2: Not reported
Special Purpose District1: Not reported
Special Purpose District2: Not reported
All Components1: C4-2
All Components2: Not reported
Split Boundary Indicator: N
Building Class: O1

LOT 103,TAXBLOCK 5 (Continued) **S109527549**

Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	56 BAY ASSOC
Lot Area:	000004000
Total Building Floor Area:	00000021000
Commercial Floor Area:	00000021000
Office Floor Area:	00000021000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	006.00
Residential Units:	00000
Non and Residential Units:	00011
Lot Frontage:	0050.00
Lot Depth:	0080.00
Building Frontage:	0050.00
Building Depth:	0070.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000028170
Total Assessed Value:	00000450000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1925
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0005.25
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050103
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963144
Y Coordinate:	0172700
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B32 SSW < 1/8 0.047 mi. 249 ft. | **ALLIED 60 BAY STREET LLC**
60 BAY STREET
STATEN ISLAND, NY 10301
Site 8 of 9 in cluster B

NY LTANKS
NY UST
NY HIST UST
NY Spills
NY Hist Spills

U001836885
N/A

Relative: Higher

Actual: 54 ft.

LTANKS:

Site ID:	222366
Spill No:	0203233
Spill Date:	6/26/2002
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.
Spill Closed Dt:	7/27/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	6/26/2002
CID:	205
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:	6/26/2002
Spill Record Last Update:	7/27/2004
Spiller Name:	OWNER
Spiller Company:	MUSS DEVELOPMENT
Spiller Address:	60 BAY ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	183860
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.7/21/04 - Sawyer - Called Phil Ryan at Tanknowlogy and he is going to find documentation on spill cleanup. Phil Ryan 413 733 797. He has given me passed tank test from 9/15/03. I need to talk to some one at Muss Development (718)761 8008 to get documentation of work, because we do not have it on file. 7/27/04 - Sawyer - Received repair documentation from Wanye at Muss Development. Dou Plumbing and Heating repared the vent lines and the tank passed. Closed.
Remarks:	Not reported

Material:

Site ID:	222366
Operable Unit ID:	856190
Operable Unit:	01
Material ID:	521060
Material Code:	0001A

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	222366
Spill No:	0203233
Spill Date:	6/26/2002
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.
Spill Closed Dt:	7/27/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	6/26/2002
CID:	205
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:	6/26/2002
Spill Record Last Update:	7/27/2004
Spiller Name:	OWNER
Spiller Company:	MUSS DEVELOPMENT
Spiller Address:	60 BAY ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	183860
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

"SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.7/21/04 - Sawyer - Called Phil Ryan at Tanknowlogy and he is going to find documentation on spill cleanup. Phil Ryan 413 733 797. He has given me passed tank test from 9/15/03. I need to talk to some one at Muss Development (718)761 8008 to get documentation of work, because we do not have it on file. 7/27/04 - Sawyer - Received repair documentation from Wanye at Muss Development. Dou Plumbing and Heating repared the vent lines and the tank passed. Closed.

Remarks: Not reported

Material:

Site ID:	222366
Operable Unit ID:	856190
Operable Unit:	01
Material ID:	521060
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	222366
Spill No:	0203233
Spill Date:	6/26/2002
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.
Spill Closed Dt:	7/27/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	6/26/2002
CID:	205
Water Affected:	Not reported

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/26/2002
Spill Record Last Update:	7/27/2004
Spiller Name:	OWNER
Spiller Company:	MUSS DEVELOPMENT
Spiller Address:	60 BAY ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	183860
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"1/6/04-Vought-Spill transferred from Vought to Austin.1/27/04 - Sawyer - Spill transferred from Austin to Sawyer.7/21/04 - Sawyer - Called Phil Ryan at Tanknowlogy and he is going to find documentation on spill cleanup. Phil Ryan 413 733 797. He has given me passed tank test from 9/15/03. I need to talk to some one at Muss Development (718)761 8008 to get documentation of work, because we do not have it on file. 7/27/04 - Sawyer - Received repair documentation from Wanye at Muss Development. Dou Plumbing and Heating repared the vent lines and the tank passed. Closed.
Remarks:	Not reported

Material:

Site ID:	222366
Operable Unit ID:	856190
Operable Unit:	01
Material ID:	521060
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

UST:

Facility Id:	2-322687
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/08/28
UTM X:	578153.95343999995
UTM Y:	4499246.7966

Affiliation Records:

Site Id:	15047
Affiliation Type:	Owner
Company Name:	60 BAY STREET LLC
Contact Type:	VP, DIRECTOR OF PROPERTY MGMT
Contact Name:	RONALD S. ZECCARDI
Address1:	118-35 QUEENS BOULEVARD
Address2:	Not reported
City:	FOREST HILLS
State:	NY
Zip Code:	11375
Country Code:	001
Phone:	(718) 263-3800
Phone Ext:	Not reported
Email:	RON@MUSS.COM
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	6/25/2007

Site Id:	15047
Affiliation Type:	Mail Contact
Company Name:	60 BAY STREET LLC
Contact Type:	Not reported
Contact Name:	KEN KONFONG
Address1:	118-35 QUEENS BOULEVARD
Address2:	Not reported
City:	FOREST HILLS
State:	NY
Zip Code:	11375
Country Code:	001
Phone:	(718) 263-3800
Phone Ext:	Not reported
Email:	KKONFONG@MUSS.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/30/2012

Site Id:	15047
Affiliation Type:	On-Site Operator
Company Name:	60 BAY ST
Contact Type:	Not reported
Contact Name:	WAYNE LEFBERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

Country Code:	001
Phone:	(718) 273-5354
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	15047
Affiliation Type:	Emergency Contact
Company Name:	60 BAY STREET LLC
Contact Type:	Not reported
Contact Name:	WAYNE LEFBERG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 614-8132
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	6/25/2007

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	15047

Tank Number:	001
Tank ID:	19980
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	11/01/1970
Capacity Gallons:	7500
Tightness Test Method:	14
Next Test Date:	05/20/2013
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	05/20/2008
Register:	True
Modified By:	bkfalvey
Last Modified:	08/20/2008

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

HIST UST:

PBS Number:	2-322687
SPDES Number:	Not reported
Emergency Contact:	WILLIAM FIORE
Emergency Telephone:	(718) 761-8008
Operator:	WAYNE LEFBERG
Operator Telephone:	(718) 273-5354
Owner Name:	ALLIED ST GEORGE CO
Owner Address:	118-35 QUEENS BLVD
Owner City,St,Zip:	FOREST HILLS, NY 11375
Owner Telephone:	(718) 263-3800
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	ALLIED ST GEORGE CO
Mailing Address:	118-35 QUEENS BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FOREST HILLS, NY 11375
Mailing Contact:	SHILLA J. PATEL
Mailing Telephone:	(718) 263-3800
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:	60 BAY ST
SWIS ID:	6401
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:	01/16/1998
Expiration Date:	08/28/2002
Renew Flag:	False
Renewal 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
Town or City:	NEW YORK CITY
County Code:	64
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19701101
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

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:	12/01/1997
Next Test Date:	12/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

SPILLS:

Facility ID:	9713889
DER Facility ID:	183860
Facility Type:	ER
Site ID:	222367
DEC Region:	2
Spill Number:	9713889
Spill Date:	3/16/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	3/26/1998
SWIS:	4301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	3/16/1998
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
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:	3/16/1998
Spill Record Last Update:	3/26/1998
Spiller Name:	STEVEN ROMERO
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
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 "O'CONNELL"3/16/98 - Con Ed (Glenn Newell) responded to site. Leak in transformer in vault. Direct sewer connection to plant - no catch basins affected.
Remarks:	TRANSFORMER LEAK CAUSED SPILL

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

Material:

Site ID:	222367
Operable Unit ID:	1056736
Operable Unit:	01
Material ID:	324881
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0709778
DER Facility ID:	340535
Facility Type:	ER
Site ID:	390914
DEC Region:	2
Spill Number:	0709778
Spill Date:	12/11/2007
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/20/2008
SWIS:	4301
Investigator:	gdbreen
Referred To:	Not reported
Reported to Dept:	12/11/2007
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:	12/11/2007
Spill Record Last Update:	2/20/2008
Spiller Name:	ERTSDESK

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

Spiller Company:	CON EDISON TS#7293
Spiller Address:	60 BAY STREET
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	999
Contact Name:	ERTSDESK
Contact Phone:	(212) 580-8383
DEC Memo:	02/20/08 - See eDocs for Con Ed report detailing cleanup and closure.209106. see eDocs
Remarks:	NO TO 5 QUESTIONS: CLEAN UP IN PROGRESS. 209106

Material:

Site ID:	390914
Operable Unit ID:	1148000
Operable Unit:	01
Material ID:	2138481
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9713889
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/16/1998 10:14
Reported to Dept Date/Time:	03/16/98 11:58
SWIS:	64
Spiller Name:	CON ED
Spiller Contact:	STEVEN ROMERO
Spiller Phone:	(212) 580-6764

ALLIED 60 BAY STREET LLC (Continued) **U001836885**

Spiller Contact: STEVEN ROMERO
Spiller Phone: (212) 580-6763
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: MANHATTAN, NY 10003-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Federal Government
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/26/98
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/16/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/26/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: TRANSFORMER OIL
Class Type: TRANSFORMER OIL
Times Material Entry In File: 533
CAS Number: Not reported
Last Date: 19940926
DEC Remarks: 3/16/98 - Con Ed Glenn Newell) responded to site. Leak in transformer in vault. Direct sewer connection to plant - no catch basins affected.
Remark: TRANSFORMER LEAK CAUSED SPILL

B33 SSW < 1/8 0.047 mi. 249 ft. | **CON ED - MH 7293**
60 BAY ST
STATEN ISLAND, NY 10301
Site 9 of 9 in cluster B | **RCRA-NonGen NY MANIFEST** | **1007206302 NYP004007555**

Relative: Higher

Actual: 54 ft.

RCRA-NonGen:

Date form received by agency:	02/28/1998
Facility name:	CON ED - MH 7293
Facility address:	60 BAY ST E/S 269‘ NNC SLOSSEN TER STATEN ISLAND, NY 103010000
EPA ID:	NYP004007555
Mailing address:	CONSOLIDATED EDISON INC 4 IRVING PL RM 300 NEW YORK, NY 100030000
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC NEW YORK, NY 100030000
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
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:	02/27/1998
Facility name:	CON ED - MH 7293
Classification:	Not a generator, verified
Date form received by agency:	02/26/1998
Facility name:	CON ED - MH 7293
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004007555
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY

CON ED - MH 7293 (Continued) **1007206302**

Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYG0251496
Manifest Status:	Completed copy
Trans1 State ID:	GX3213
Trans2 State ID:	Not reported
Generator Ship Date:	970603
Trans1 Recv Date:	970603
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970603
Part A Recv Date:	970612
Part B Recv Date:	970613
Generator EPA ID:	NYP004007555
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	01064
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:	100
Year:	97

34
NNW
< 1/8
0.056 mi.
296 ft.

SUPREME COURT-STATEN ISLAND **NY MANIFEST** **1009234813**
18 RICHMOND TR **N/A**
STATEN ISLAND, NY 10301

Relative:
Lower

Actual:
35 ft.

NY MANIFEST:

EPA ID:	NYP000944454
Country:	USA
Mailing Name:	SUPREME COURT-STATEN ISLAND
Mailing Contact:	C CUMMINGS
Mailing Address:	18 RICHMOND TR
Mailing Address 2:	Not reported
Mailing City:	ST GEORGE-STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-662-4044

Document ID:	NYG1286496
Manifest Status:	Not reported
Trans1 State ID:	NJD986588630
Trans2 State ID:	NJD054126164

SUPREME COURT-STATEN ISLAND (Continued) **1009234813**

Generator Ship Date:	06/25/1999
Trans1 Recv Date:	06/25/1999
Trans2 Recv Date:	06/28/1999
TSD Site Recv Date:	07/13/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000944454
Trans1 EPA ID:	OHD066060609
Trans2 EPA ID:	Not reported
TSDF ID:	X21R30
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00050
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:	99

C35 **ESTATE OF JACOB FISHER** **NY AST** **U003392790**
SW **33 CENTRAL AVE** **NY HIST AST** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.063 mi.
335 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
87 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Administratively Closed
Facility Id:	2-247111
Program Type:	PBS
UTM X:	578053.02300000004
UTM Y:	4499300.9946699999
Expiration Date:	N/A

Affiliation Records:

Site Id:	9697
Affiliation Type:	Owner
Company Name:	ESTATE OF JACOB FISHER
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O MILESTONE MGMT INC, P.O BOX 409
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10034
Country Code:	001
Phone:	(212) 678-4379
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9697
Affiliation Type:	Mail Contact
Company Name:	ESTATE OF JACOB FISHER C/O MILESTONE MGMT INC
Contact Type:	Not reported

ESTATE OF JACOB FISHER (Continued) **U003392790**

Contact Name:	MR. R. SCALISE
Address1:	240 WEST 98TH STREET # 3A
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10025
Country Code:	001
Phone:	(212) 678-4379
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9697
Affiliation Type:	On-Site Operator
Company Name:	ESTATE OF JACOB FISHER
Contact Type:	Not reported
Contact Name:	PHILLIP ROMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-9627
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9697
Affiliation Type:	Emergency Contact
Company Name:	ESTATE OF JACOB FISHER
Contact Type:	Not reported
Contact Name:	PHILLIP ROMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-9627
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

ESTATE OF JACOB FISHER (Continued) **U003392790**

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	001
Tank Id:	25411
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
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:	01/02/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	001
Tank Id:	58532
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	04/13/1965
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:	02/07/2012

Affiliation Records:

Site Id:	26544
Affiliation Type:	Owner
Company Name:	S&P REAL ESTATE CORP.
Contact Type:	VICE PRESIDENT
Contact Name:	MICHAEL PAPIR
Address1:	839 WILLOWBROOK RD.
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 698-0687
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

ESTATE OF JACOB FISHER (Continued) **U003392790**

Modified By:	NRLOMBAR
Date Last Modified:	8/10/2005

Site Id:	26544
Affiliation Type:	Mail Contact
Company Name:	33 S&P REALTY CORP
Contact Type:	Not reported
Contact Name:	MICHAEL PAPIR
Address1:	839 WILLOWBROOK RD
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 698-0687
Phone Ext:	Not reported
Email:	MECH3405@AOL.COM
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2/7/2012

Site Id:	26544
Affiliation Type:	On-Site Operator
Company Name:	33 CENTRAL AVE
Contact Type:	Not reported
Contact Name:	M PAPIR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 698-0687
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	2/7/2012

Site Id:	26544
Affiliation Type:	Emergency Contact
Company Name:	S&P REAL ESTATE CORP.
Contact Type:	Not reported
Contact Name:	S. PAPIR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 698-0687
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/10/2005

ESTATE OF JACOB FISHER (Continued) **U003392790**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I05 - Overfill - Vent Whistle

Tank Info:

Tank Number:	001
Tank Id:	25411
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
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:	01/02/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	001
Tank Id:	58532
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	04/13/1965
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:	02/07/2012

HIST AST:

PBS Number:	2-247111
SWIS Code:	6401
Operator:	PHILLIP ROMAN
Facility Phone:	(718) 273-9627
Facility Addr2:	33 CENTRAL AVE
Facility Type:	APARTMENT BUILDING
Emergency:	PHILLIP ROMAN

ESTATE OF JACOB FISHER (Continued) **U003392790**

Emergency Tel:	(718) 273-9627
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ESTATE OF JACOB FISHER
Owner Address:	C/O MILESTONE MGMT INC, P.O BOX 409
Owner City,St,Zip:	NEW YORK, NY 10034
Federal ID:	Not reported
Owner Tel:	(212) 678-4379
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MR. R. SCALISE
Mailing Name:	ESTATE OF JACOB FISHER C/O MILESTONE MGMT INC
Mailing Address:	240 WEST 98TH STREET # 3A
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10025
Mailing Telephone:	(212) 678-4379
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:	11/24/1992
Expiration:	10/23/1997
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:	64
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:	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

ESTATE OF JACOB FISHER (Continued) **U003392790**

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

D36 **LOT 86,TAXBLOCK 8** **NY E DESIGNATION** **S109528186**
WNW **1 HYATT STREET** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.065 mi.
342 ft. **Site 1 of 6 in cluster D**

Relative:
Higher

Actual:
64 ft.

E DESIGNATION:

Tax Lot(s):	86
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	WONICA GEORGE S
Lot Area:	000009437
Total Building Floor Area:	00000009672
Commercial Floor Area:	00000009672
Office Floor Area:	00000007172
Retail Floor Area:	00000002500
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001

LOT 86,TAXBLOCK 8 (Continued) **S109528186**

Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00010
Lot Frontage:	0101.00
Lot Depth:	0100.00
Building Frontage:	0098.42
Building Depth:	0094.00
Proximity Code:	3
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000063900
Total Assessed Value:	00000400500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1932
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.02
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080086
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962943
Y Coordinate:	0173317
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	86
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49

LOT 86,TAXBLOCK 8 (Continued) **S109528186**

Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	WONICA GEORGE S
Lot Area:	000009437
Total Building Floor Area:	00000009672
Commercial Floor Area:	00000009672
Office Floor Area:	00000007172
Retail Floor Area:	00000002500
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00010
Lot Frontage:	0101.00
Lot Depth:	0100.00
Building Frontage:	0098.42
Building Depth:	0094.00
Proximity Code:	3
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000063900
Total Assessed Value:	00000400500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1932
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.02
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080086
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962943
Y Coordinate:	0173317

LOT 86,TAXBLOCK 8 (Continued) **S109528186**

Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

C37 **CONSTRUCTION SITE** **NY Spills** **S110242544**
WSW **26 CENTRAL AVE** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.065 mi.
343 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
91 ft.

SPILLS:

Facility ID:	0912271
DER Facility ID:	374062
Facility Type:	ER
Site ID:	425152
DEC Region:	2
Spill Number:	0912271
Spill Date:	2/23/2010
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/26/2010
SWIS:	4301
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	2/24/2010
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:	2/24/2010
Spill Record Last Update:	2/26/2010
Spiller Name:	FRANK ORLANDO
Spiller Company:	DELRIC CONSTRUCTION
Spiller Address:	74 ST MARKS PL
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	999
Contact Name:	DAN WARDROPE
Contact Phone:	(718) 981-5871
DEC Memo:	They originally dug out the impacted soil, but the next day they saw sheen on surface puddles.Contractor vacuumed out the standing water and contamination.

CONSTRUCTION SITE (Continued) **S110242544**

Remarks: spill yesterday - cleaned up yesterday - today noticed a sheen in surface water at job site -

Material:

Site ID:	425152
Operable Unit ID:	1180880
Operable Unit:	01
Material ID:	2174909
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

C38 **15 CENTRAL AVENUE** **NY HIST UST** **U003764832**
WSW **15 CENTRAL AVENUE** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.067 mi.
355 ft. **Site 3 of 4 in cluster C**

Relative:
Higher

Actual:
90 ft.

HIST UST:

PBS Number:	2-605171
SPDES Number:	Not reported
Emergency Contact:	THERESA BASSFORD
Emergency Telephone:	(718) 720-1114
Operator:	ALEX LEWIS
Operator Telephone:	(718) 816-9858
Owner Name:	THERESA BASSFORD & MR. H. BASSFORD JR.
Owner Address:	158 DOUGLAS ROAD
Owner City,St,Zip:	STATEN ISLAND, NY 10304
Owner Telephone:	(718) 720-1114
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	HENRY H. BASSFORD & THERESA BASSFORD
Mailing Address:	158 DOUGLAS ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10304
Mailing Contact:	Not reported
Mailing Telephone:	(718) 720-1114
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is

15 CENTRAL AVENUE (Continued) **U003764832**

	greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6401
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:	02/15/2001
Expiration Date:	02/09/2006
Renew Flag:	False
Renewal 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:	64
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Temporarily Out Of Service
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:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
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
Updated:	True
Lat/long:	Not reported

C39 WSW < 1/8 0.067 mi. 355 ft. | **15 CENTRAL AVENUE**
15 CENTRAL AVENUE
STATEN ISLAND, NY 10301 | **NY UST** | **U004081949**
N/A

Site 4 of 4 in cluster C

Relative: Higher

Actual: 90 ft.

UST:

Facility Id:	2-605171
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2006/02/09
UTM X:	578042.18926000001
UTM Y:	4499355.6179

Affiliation Records:

Site Id:	27040
Affiliation Type:	Owner
Company Name:	THERESA BASSFORD & MR. H. BASSFORD JR.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	158 DOUGLAS ROAD
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10304
Country Code:	001
Phone:	(718) 720-1114
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27040
Affiliation Type:	Mail Contact
Company Name:	HENRY H. BASSFORD & THERESA BASSFORD
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	158 DOUGLAS ROAD
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10304
Country Code:	001
Phone:	(718) 720-1114
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27040
Affiliation Type:	On-Site Operator
Company Name:	15 CENTRAL AVENUE
Contact Type:	Not reported
Contact Name:	ALEX LEWIS
Address1:	Not reported
Address2:	Not reported

15 CENTRAL AVENUE (Continued) **U004081949**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 816-9858
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27040
Affiliation Type:	Emergency Contact
Company Name:	THERESA BASSFORD & MR. H. BASSFORD JR.
Contact Type:	Not reported
Contact Name:	THERESA BASSFORD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 720-1114
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	27040

Tank Number:	001
Tank ID:	59535
Tank Status:	Temporarily Out of Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	6
Tank Type:	Steel/carbon steel
Date Test:	Not reported

15 CENTRAL AVENUE (Continued) **U004081949**

Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

D40 West < 1/8 0.082 mi. 433 ft. **STATEN ISLAND SAVINGS BANK**
15 HYATT ST
STATEN ISLAND, NY 10301
Site 2 of 6 in cluster D

NY HIST LTANKS **U001835421**
NY UST **N/A**
NY HIST UST
NY E DESIGNATION

Relative: Higher

Actual: 78 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9804984
Spill Date: 07/21/1998
Spill Time: 17:00
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 07/21/98
Reported to Department Time: 18:44
SWIS: 62
Spiller Contact: BROWN FUEL COMPANY
Spiller Phone: (718) 442-8800
Spiller Extention: Not reported
Spiller Name: STATEN ISLAND SAVING BANK
Spiller Address: 15 HYATT STREET
Spiller City,St,Zip: STATEN ISLAND, NY
Spiller Cleanup Date: / /
Facility Contact: BROWN FUEL
Facility Phone: (718) 442-8800
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-280720
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/21/98
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/09/99

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 001
Tank Size: 2000
Test Method: USTest 2000
Leak Rate Failed Tank: 0.73
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: On October 27, 1999, Abra Consulting Contracting Bob Abramo) sent DEC Sigona) site assessment report for this referenced site. DEC Sigona placed the report in the file for review.
Spill Cause: .731 g/per hour loss leak rate.contact brown fuel they have in charge of the tank. pbs number 2-280720 tank will be pumped out.

UST:
Facility Id: 2-280720
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 578069.25318
UTM Y: 4499428.0539699998

Affiliation Records:
Site Id: 12276
Affiliation Type: Owner
Company Name: STATEN ISLAND SAVINGS BANK
Contact Type: Not reported
Contact Name: Not reported
Address1: 15 BEACH ST
Address2: Not reported
City: STATEN ISLAND
State: NY
Zip Code: 10304
Country Code: 001
Phone: (718) 447-7900
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Site Id:	12276
Affiliation Type:	Mail Contact
Company Name:	STATEN ISLAND SAVINGS BANK
Contact Type:	Not reported
Contact Name:	MICHAEL J. BRENNAN
Address1:	15 BEACH ST
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10304
Country Code:	001
Phone:	(718) 447-7900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12276
Affiliation Type:	On-Site Operator
Company Name:	STATEN ISLAND SAVINGS BANK
Contact Type:	Not reported
Contact Name:	STATEN ISLAND S.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 447-4100
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12276
Affiliation Type:	Emergency Contact
Company Name:	STATEN ISLAND SAVINGS BANK
Contact Type:	Not reported
Contact Name:	BROWN FUEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 442-8800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	12276
Tank Number:	001
Tank ID:	14637
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	05/01/1990
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-280720
SPDES Number:	Not reported
Emergency Contact:	BROWN FUEL
Emergency Telephone:	(718) 442-8800
Operator:	STATEN ISLAND S.
Operator Telephone:	(718) 447-4100
Owner Name:	STATEN ISLAND SAVINGS BANK
Owner Address:	15 BEACH ST
Owner City,St,Zip:	STATEN ISLAND, NY 10304
Owner Telephone:	(718) 447-7900
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	STATEN ISLAND SAVINGS BANK
Mailing Address:	15 BEACH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10304
Mailing Contact:	MICHAEL J. BRENNAN
Mailing Telephone:	(718) 447-7900
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:	15 HYATT ST
SWIS ID:	6401
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Certification Flag:	False
Certification Date:	09/09/1997
Expiration Date:	09/19/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	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:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	05/01/1990
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

E DESIGNATION:

Tax Lot(s):	92
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	SI BANK & TRUST
Lot Area:	000006975
Total Building Floor Area:	00000011149
Commercial Floor Area:	00000011149
Office Floor Area:	00000011149
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0093.00
Building Frontage:	0075.00
Building Depth:	0057.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054900
Total Assessed Value:	00000282150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1936
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.60
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080092
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962868

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Y Coordinate:	0173270
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	92
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O6
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	SI BANK & TRUST
Lot Area:	000006975
Total Building Floor Area:	00000011149
Commercial Floor Area:	00000011149
Office Floor Area:	00000011149
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0093.00
Building Frontage:	0075.00
Building Depth:	0057.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000054900
Total Assessed Value:	00000282150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1936
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.60
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080092
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962868
Y Coordinate:	0173270
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D41 **STATEN ISLAND SAVINGS BAN** **NY LTANKS** **S102238675**
West **15 HYATT STREET** **NY Spills** **N/A**
< 1/8 **STATEN ISLAND, NY** **NY Hist Spills**
0.082 mi.
433 ft. **Site 3 of 6 in cluster D**

Relative:
Higher

Actual:
78 ft.

LTANKS:

Site ID:	328623
Spill No:	9804984
Spill Date:	7/21/1998
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.
Spill Closed Dt:	11/28/2005

STATEN ISLAND SAVINGS BAN (Continued) **S102238675**

Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	DATROMP
Referred To:	Not reported
Reported to Dept:	7/21/1998
CID:	282
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:	7/21/1998
Spill Record Last Update:	11/28/2005
Spiller Name:	BROWN FUEL
Spiller Company:	STATEN ISLAND SAVING BANK
Spiller Address:	15 HYATT STREET
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	BROWN FUEL COMPANY
Spiller Phone:	(718) 442-8800
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	264466
DEC Memo:	11/28/05 - Report submitted in October 1999 documents the tank was filled in place. Spill closed - 11/28/05
Remarks:	.731 g/per hour loss leak rate.contact brown fuel they have in charge of the tank.pbs number 2-280720 tank will be pumped out.

Material:

Site ID:	328623
Operable Unit ID:	1062903
Operable Unit:	01
Material ID:	553298
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:	328623
Spill Tank Test:	1546091
Tank Number:	001
Tank Size:	2000
Test Method:	20
Leak Rate:	0.72999999
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004

STATEN ISLAND SAVINGS BAN (Continued) **S102238675**

Test Method: USTest 2000/P/LL plus USTest 2000/U

SPILLS:

Facility ID:	9512465
DER Facility ID:	264466
Facility Type:	ER
Site ID:	197819
DEC Region:	2
Spill Number:	9512465
Spill Date:	1/5/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	1/9/1996
SWIS:	4301
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	1/5/1996
CID:	196
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:	1/5/1996
Spill Record Last Update:	1/22/1996
Spiller Name:	ROSS CARLSILE
Spiller Company:	SICPO OIL CO
Spiller Address:	2541 RICHMOND TERR
Spiller City,St,Zip:	STATEN ISLAND, NY 10303-
Spiller Company:	001
Contact Name:	ROSS CARLISLE
Contact Phone:	(718) 448-3750
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
Remarks:	oil backed out of a stick line. while making a delivery to staten island bank. 2 gal spill on ground. spill cleaned upby oil co. speedy dry. and cap replaced on stick line.

Material:

Site ID:	197819
Operable Unit ID:	1026681
Operable Unit:	01
Material ID:	356208
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

STATEN ISLAND SAVINGS BAN (Continued) **S102238675**

Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9512465
Investigator: MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 01/05/1996 17:30
Reported to Dept Date/Time: 01/05/96 17:48
SWIS: 64
Spiller Name: SICPO OIL CO
Spiller Contact: ROSS CARLSILE
Spiller Phone: (718) 448-3750
Spiller Contact: ROSS CARLISLE
Spiller Phone: (718) 448-3750
Spiller Address: 2541 RICHMOND TERR
Spiller City,St,Zip: STATEN ISLAND, NY 10303-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 08
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/09/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 01/05/96
Date Spill Entered In Computer Data File: Not reported

STATEN ISLAND SAVINGS BAN (Continued) **S102238675**

Update Date: 01/22/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 2
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: oil backed out of a stick line. while making a delivery to staten island bank. 2 gal spill on ground. spill cleaned up by oil co. speedy dry. and cap replaced on stick line.

D42 **LOT 42,TAXBLOCK 5** **NY E DESIGNATION** **S109527959**
West **CENTRAL AVENUE** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.083 mi.
437 ft. **Site 4 of 6 in cluster D**

Relative:
Higher

Actual:
83 ft.

E DESIGNATION:
Tax Lot(s): 42
E-No: E-217
Effective Date: 10/23/2008
Satisfaction Date: Not reported
Ceqr Number: 08DCP070R
Ulurp Number: 080426ZMR
Zoning Map No: 21c
Description: Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code: SI
Community District: 501
Census Tract: 3
Census Block: 1004
School District: 31
City Council District: 49
Fire Company: L078
Health Area: 51
Police Precinct: 120
Zone District 1: C4-2
Zone District 2: Not reported
Commercial Overlay1: Not reported
Commercial Overlay2: Not reported
Special Purpose District1: Not reported
Special Purpose District2: Not reported
All Components1: C4-2

LOT 42,TAXBLOCK 5 (Continued) **S109527959**

All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	CENTRAL VIEW ESTATES
Lot Area:	000005000
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000034560
Total Assessed Value:	00000034560
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050042
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963075
Y Coordinate:	0172476
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006

LOT 42,TAXBLOCK 5 (Continued) **S109527959**

Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	42
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	V1
Land Use Category:	11
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	CENTRAL VIEW ESTATES
Lot Area:	000005000
Total Building Floor Area:	00000000000
Commercial Floor Area:	00000000000
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	4
Number of Buildings:	00000
Number of Floors:	000.00
Residential Units:	00000
Non and Residential Units:	00000
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0000.00
Building Depth:	0000.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5

LOT 42,TAXBLOCK 5 (Continued) **S109527959**

Land Assessed Value:	00000034560
Total Assessed Value:	00000034560
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	0000
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.00
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050042
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963075
Y Coordinate:	0172476
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

D43
West
< 1/8
0.087 mi.
462 ft.

Relative:
Higher

Actual:
83 ft.

LOT 99,TAXBLOCK 8 **NY E DESIGNATION** **S109528196**
19 HYATT STREET **N/A**
STATEN ISLAND, NY 10301

Site 5 of 6 in cluster D

E DESIGNATION:

Tax Lot(s):	99
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported

LOT 99,TAXBLOCK 8 (Continued) **S109528196**

Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O5
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	GROU EQUITY LLC
Lot Area:	000007525
Total Building Floor Area:	00000042397
Commercial Floor Area:	00000042397
Office Floor Area:	00000037627
Retail Floor Area:	00000004770
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	006.00
Residential Units:	00000
Non and Residential Units:	00010
Lot Frontage:	0141.99
Lot Depth:	0053.00
Building Frontage:	0142.00
Building Depth:	0053.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000059400
Total Assessed Value:	00000895500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0005.63
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080099
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962818
Y Coordinate:	0173223
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005

LOT 99,TAXBLOCK 8 (Continued) **S109528196**

Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	99
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O5
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	GROU EQUITY LLC
Lot Area:	000007525
Total Building Floor Area:	00000042397
Commercial Floor Area:	00000042397
Office Floor Area:	00000037627
Retail Floor Area:	00000004770
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	006.00
Residential Units:	00000
Non and Residential Units:	00010
Lot Frontage:	0141.99
Lot Depth:	0053.00
Building Frontage:	0142.00

LOT 99,TAXBLOCK 8 (Continued) **S109528196**

Building Depth:	0053.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000059400
Total Assessed Value:	00000895500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0005.63
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080099
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962818
Y Coordinate:	0173223
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E44
SW
< 1/8
0.089 mi.
470 ft.

Relative:
Higher

Actual:
78 ft.

LOT 45,TAXBLOCK 5 **NY E DESIGNATION** **S109527989**
61 CENTRAL AVENUE **N/A**
STATEN ISLAND, NY 10301

Site 1 of 2 in cluster E

E DESIGNATION:

Tax Lot(s):	45
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49

LOT 45,TAXBLOCK 5 (Continued) **S109527989**

Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PASQUALE PAPPALARDO
Lot Area:	000005000
Total Building Floor Area:	00000005350
Commercial Floor Area:	00000005350
Office Floor Area:	00000005350
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0040.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029385
Total Assessed Value:	00000135450
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.07
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050045
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963040
Y Coordinate:	0172520

LOT 45,TAXBLOCK 5 (Continued) **S109527989**

Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	45
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PASQUALE PAPPALARDO
Lot Area:	000005000
Total Building Floor Area:	00000005350
Commercial Floor Area:	00000005350
Office Floor Area:	00000005350
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00

LOT 45,TAXBLOCK 5 (Continued) **S109527989**

Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0040.00
Building Depth:	0040.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000029385
Total Assessed Value:	00000135450
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1930
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.07
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050045
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963040
Y Coordinate:	0172520
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

45
SSW
< 1/8
0.090 mi.
474 ft.

HARAN RESIDENCE
17 SLOSSON TERR
STATEN ISLAND, NY

NY Spills **S111317529**
N/A

Relative:
Higher

Actual:
48 ft.

SPILLS:

Facility ID:	1108539
DER Facility ID:	410833
Facility Type:	ER
Site ID:	456277
DEC Region:	2
Spill Number:	1108539
Spill Date:	10/6/2011
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

HARAN RESIDENCE (Continued) **S111317529**

	Willing Responsible Party. Corrective action taken.
Spill Closed Date:	Not Closed
SWIS:	4301
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	10/6/2011
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:	1
Date Entered In Computer:	10/6/2011
Spill Record Last Update:	10/7/2011
Spiller Name:	Not reported
Spiller Company:	HOMEOWNER
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	SRI HARAN
Contact Phone:	(908) 246-7087
DEC Memo:	Not reported
Remarks:	2 tanks - 1 tank has stalagtites on bottom - customer refuse pumpout - no cleanup

Material:

Site ID:	456277
Operable Unit ID:	1206415
Operable Unit:	01
Material ID:	2203516
Material Code:	0001A
Material Name:	#2 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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

D46 NW < 1/8 0.100 mi. 526 ft. | **UNOCCUPIED**
152 STUYVESANT PLACE
STATEN ISLAND, NY 10312

NY UST | **U002222991**
NY HIST UST | **N/A**

Site 6 of 6 in cluster D

Relative: Higher

Actual: 60 ft.

UST:

Facility Id:	2-602203
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	578060.12467000005
UTM Y:	4499483.2498000003

Affiliation Records:

Site Id:	24161
Affiliation Type:	Owner
Company Name:	FIRST NATIONAL BANK % GRANITE MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	135 MAIN STREET-SUITE 130
Address2:	Not reported
City:	SAN FRANCISCO
State:	CA
Zip Code:	94105-1812
Country Code:	001
Phone:	(800) 362-9026
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24161
Affiliation Type:	Mail Contact
Company Name:	ECMS INC.
Contact Type:	Not reported
Contact Name:	ROBERT ABRAMO
Address1:	514 RAHWAY AVENUE
Address2:	Not reported
City:	WOODBRIDGE
State:	NJ
Zip Code:	07095
Country Code:	001
Phone:	(908) 855-8830
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24161
Affiliation Type:	On-Site Operator
Company Name:	UNOCCUPIED
Contact Type:	Not reported
Contact Name:	ROBERT ABRAMO
Address1:	Not reported
Address2:	Not reported

UNOCCUPIED (Continued) **U002222991**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(908) 855-8830
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24161
Affiliation Type:	Emergency Contact
Company Name:	FIRST NATIONAL BANK % GRANITE MANAGEMENT CORP
Contact Type:	Not reported
Contact Name:	ROBERT ABRAMO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(908) 855-8830
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	24161

Tank Number:	001
Tank ID:	49533
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	09/01/1972
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	05/01/1995
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT

UNOCCUPIED (Continued) **U002222991**

Last Modified: 03/04/2004

HIST UST:

PBS Number:	2-602203
SPDES Number:	Not reported
Emergency Contact:	ROBERT ABRAMO
Emergency Telephone:	(908) 855-8830
Operator:	ROBERT ABRAMO
Operator Telephone:	(908) 855-8830
Owner Name:	FIRST NATIONAL BANK % GRANITE MANAGEMENT CORP
Owner Address:	135 MAIN STREET-SUITE 130
Owner City,St,Zip:	SAN FRANCISCO, CA 94105-1812
Owner Telephone:	(800) 362-9026
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	ECMS INC.
Mailing Address:	514 RAHWAY AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	WOODBRIDGE, NJ 07095
Mailing Contact:	ROBERT ABRAMO
Mailing Telephone:	(908) 855-8830
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:	6401
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:	05/05/1995
Expiration Date:	05/02/2000
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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19720901
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None

UNOCCUPIED (Continued) **U002222991**

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:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

E47 **LOT 39,TAXBLOCK 5** **NY E DESIGNATION** **S109527917**
SSW **71 CENTRAL AVENUE** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.103 mi.
542 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
72 ft.

E DESIGNATION:

Tax Lot(s):	39
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	H9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	SMA REALTY ASSOCIATES
Lot Area:	000005000
Total Building Floor Area:	00000012408

LOT 39,TAXBLOCK 5 (Continued) **S109527917**

Commercial Floor Area:	00000012408
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000012408
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0039.00
Building Depth:	0071.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000024030
Total Assessed Value:	00000208350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1925
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.48
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050039
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963058
Y Coordinate:	0172418
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	39
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R

LOT 39,TAXBLOCK 5 (Continued) **S109527917**

Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1004
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	H9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	SMA REALTY ASSOCIATES
Lot Area:	000005000
Total Building Floor Area:	00000012408
Commercial Floor Area:	00000012408
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000012408
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	003.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0050.00
Lot Depth:	0100.00
Building Frontage:	0039.00
Building Depth:	0071.00
Proximity Code:	0
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000024030
Total Assessed Value:	00000208350
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1925
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported

LOT 39,TAXBLOCK 5 (Continued) **S109527917**

Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.48
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000050039
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0963058
Y Coordinate:	0172418
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F48
WSW
< 1/8
0.113 mi.
599 ft.

LOT 54,TAXBLOCK 16 **NY E DESIGNATION** **S109528071**
350 ST MARK'S PLACE **N/A**
STATEN ISLAND, NY 10301

Site 1 of 3 in cluster F

Relative:
Higher

Actual:
101 ft.

E DESIGNATION:

Tax Lot(s):	54
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1006
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05

LOT 54,TAXBLOCK 16 (Continued) **S109528071**

Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	BALKON REALTY CO
Lot Area:	000024990
Total Building Floor Area:	00000064680
Commercial Floor Area:	00000064680
Office Floor Area:	00000064680
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	005.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0147.00
Lot Depth:	0170.00
Building Frontage:	0147.00
Building Depth:	0088.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000196650
Total Assessed Value:	00001894500
Land Exempt Value:	00000000000
Total Exempt Value:	00000482850
Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.59
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000160054
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962536
Y Coordinate:	0172906
Zoning Map:	21C
Sanborn Map:	501 012
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

LOT 54,TAXBLOCK 16 (Continued) **S109528071**

Tax Lot(s):	54
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1006
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	BALKON REALTY CO
Lot Area:	000024990
Total Building Floor Area:	00000064680
Commercial Floor Area:	00000064680
Office Floor Area:	00000064680
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	005.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0147.00
Lot Depth:	0170.00
Building Frontage:	0147.00
Building Depth:	0088.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000196650
Total Assessed Value:	00001894500
Land Exempt Value:	00000000000
Total Exempt Value:	00000482850

LOT 54,TAXBLOCK 16 (Continued) **S109528071**

Year Built:	1964
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.59
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000160054
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962536
Y Coordinate:	0172906
Zoning Map:	21C
Sanborn Map:	501 012
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F49 **BALKON REALTY CO., LP** **NY AST** **A100175434**
WSW **350 ST. MARKS PLACE** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.113 mi.
599 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
101 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-605135
Program Type:	PBS
UTM X:	577970.13413000002
UTM Y:	4499303.1812699996
Expiration Date:	2016/02/05

Affiliation Records:

Site Id:	27004
Affiliation Type:	Owner
Company Name:	BALKON REALTY CO., LP
Contact Type:	SEC/MANAGER
Contact Name:	NEIL EDELMAN
Address1:	2350 OCEAN AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11229
Country Code:	001
Phone:	(718) 376-1100
Phone Ext:	Not reported

BALKON REALTY CO., LP (Continued) **A100175434**

Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	12/13/2005

Site Id:	27004
Affiliation Type:	Mail Contact
Company Name:	BALKON REALTY CO., LP
Contact Type:	SEC/MANAGER
Contact Name:	NEIL EDELMAN
Address1:	2350 OCEAN AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11229
Country Code:	001
Phone:	(718) 376-1100
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	12/13/2005

Site Id:	27004
Affiliation Type:	On-Site Operator
Company Name:	BALKON REALTY CO., LP
Contact Type:	Not reported
Contact Name:	JAMES BREAZIL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 442-3936
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	12/13/2005

Site Id:	27004
Affiliation Type:	Emergency Contact
Company Name:	BALKON REALTY CO., LP
Contact Type:	Not reported
Contact Name:	NEIL EDELMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 376-1100
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

BALKON REALTY CO., LP (Continued) **A100175434**

Date Last Modified: 3/4/2004

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Info:

Tank Number:	001
Tank Id:	59477
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	06/11/1962
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:	11/24/2010

F50 **LOT 50,TAXBLOCK 16** **NY E DESIGNATION** **S109528034**
WSW **358 ST MARK'S PLACE** **N/A**
< 1/8 **STATEN ISLAND, NY 10301**
0.113 mi.
599 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
97 ft.

E DESIGNATION:

Tax Lot(s):	50
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1006
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120

LOT 50,TAXBLOCK 16 (Continued) **S109528034**

Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PENNROCK INDUSTRIES I
Lot Area:	000012750
Total Building Floor Area:	00000029730
Commercial Floor Area:	00000029730
Office Floor Area:	00000029730
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	005.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00
Lot Depth:	0170.00
Building Frontage:	0075.00
Building Depth:	0070.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000074700
Total Assessed Value:	00000450000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1967
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.33
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000160050
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962555
Y Coordinate:	0172806
Zoning Map:	21C
Sanborn Map:	501 012
Tax Map:	50101

LOT 50,TAXBLOCK 16 (Continued) **S109528034**

E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	50
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Exhaust stack location limitations
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1006
School District:	31
City Council District:	49
Fire Company:	L078
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	PENNROCK INDUSTRIES I
Lot Area:	000012750
Total Building Floor Area:	00000029730
Commercial Floor Area:	00000029730
Office Floor Area:	00000029730
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	005.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0075.00

LOT 50,TAXBLOCK 16 (Continued) **S109528034**

Lot Depth:	0170.00
Building Frontage:	0075.00
Building Depth:	0070.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000074700
Total Assessed Value:	00000450000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1967
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.33
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000160050
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962555
Y Coordinate:	0172806
Zoning Map:	21C
Sanborn Map:	501 012
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G51 **STATEN ISLAND COLLEGE** **NY HIST LTANKS** **S102960131**
NW **130 STUYVESANT PLACE** **N/A**
< 1/8 **STATEN ISLAND, NY**
0.117 mi.
619 ft. **Site 1 of 7 in cluster G**

Relative:
Higher

Actual:
59 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9205102
Spill Date:	08/03/1992
Spill Time:	15:15
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/06/98
Cleanup Ceased:	/ /

STATEN ISLAND COLLEGE (Continued) **S102960131**

Cleanup Meets Standard:	False
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	08/03/92
Reported to Department Time:	16:38
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYS DORMITORY AUTH
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(914) 365-0800
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	08/10/92
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	02/06/98
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728

STATEN ISLAND COLLEGE (Continued) **S102960131**

DEC Remarks: SEE FILE 90-07462. FOUND FILE AND REVIEWED REPORT ON 2 6 98. MINOR CONTAMINATION LEFT AFTER EXCAVATION.
Spill Cause: CONTAMINATED SOIL STOCKPILED, SAMPLED DISPOSED.

G52 **130 STUYVESANT PLACE** **NY LTANKS** **U001837544**
NW **130 STUYVESANT PLACE** **NY HIST LTANKS** **N/A**
< 1/8 **STATEN ISLAND, NY 10301** **NY UST**
0.117 mi. **NY HIST UST**
619 ft. **Site 2 of 7 in cluster G**

Relative:
Higher

Actual:
59 ft.

LTANKS:

Site ID:	231811
Spill No:	9205102
Spill Date:	8/3/1992
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.
Spill Closed Dt:	2/6/1998
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	8/3/1992
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:	8/10/1992
Spill Record Last Update:	2/6/1998
Spiller Name:	Not reported
Spiller Company:	NYS DORMITORY AUTH
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:	191013
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"SEE FILE 90-07462. FOUND FILE AND REVIEWED REPORT ON 2\\6\\98. MINOR CONTAMINATION LEFT AFTER EXCAVATION.
Remarks:	CONTAMINATED SOIL STOCKPILED, SAMPLED & DISPOSED.

Material:

Site ID:	231811
Operable Unit ID:	972604
Operable Unit:	01
Material ID:	409331
Material Code:	0003A
Material Name:	#6 Fuel Oil

130 STUYVESANT PLACE (Continued) **U001837544**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	231810
Spill No:	9007462
Spill Date:	6/7/1990
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.
Spill Closed Dt:	8/3/1992
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	10/9/1990
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:	10/9/1990
Spill Record Last Update:	2/6/1998
Spiller Name:	Not reported
Spiller Company:	DORMITORY AUTH STATE OFNY
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:	191013
DEC Memo:	Not reported
Remarks:	1.5K TANK, TANK TESTED IN JUNE FAILED RETEST ON 9/28/90,FAILED AGAIN,

130 STUYVESANT PLACE (Continued) **U001837544**

WILL PUMP TANK.

Material:

Site ID:	231810
Operable Unit ID:	948110
Operable Unit:	01
Material ID:	431318
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:	231810
Spill Tank Test:	1537668
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

HIST LTANKS:

Region of Spill:	2
Spill Number:	9007462
Spill Date:	06/07/1990
Spill Time:	12:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	08/03/92
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	10/09/90
Reported to Department Time:	08:59
SWIS:	64

130 STUYVESANT PLACE (Continued) **U001837544**

Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: DORMITORY AUTH STATE OFNY
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (212) 356-0641
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/09/90
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/06/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: REFER TO 92-05102. WAS A 15,000 GALLON TANK, NOT 1.5K TANK.
Spill Cause: 1.5K TANK, TANK TESTED IN JUNE FAILED RETEST ON 9/28/90,FAILED AGAIN, WILL PUMP TANK.

UST:
Facility Id: 2-403636
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 578040.09120999998
UTM Y: 4499519.3235499999

130 STUYVESANT PLACE (Continued) **U001837544**

Affiliation Records:

Site Id:	19382
Affiliation Type:	Owner
Company Name:	N.Y.C. DEPT. OF CITYWIDE ADMIN. SERVICES
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 CENTRE STREET - 16TH FLOOR NORTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19382
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. CITYWIDE ADMIN. SERVICES
Contact Type:	Not reported
Contact Name:	GEORGE SULTANA
Address1:	MANHATTAN MUNICIPAL BLDG.
Address2:	1 CENTRE STREET
City:	NEW YORK
State:	NY
Zip Code:	10007
Country Code:	001
Phone:	(212) 669-7244
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19382
Affiliation Type:	On-Site Operator
Company Name:	130 STUYVESANT PLACE
Contact Type:	Not reported
Contact Name:	FRANK SALZILLO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 556-7371
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19382
Affiliation Type:	Emergency Contact

130 STUYVESANT PLACE (Continued) **U001837544**

Company Name:	N.Y.C. DEPT. OF CITYWIDE ADMIN. SERVICES
Contact Type:	Not reported
Contact Name:	JOSEPH DIDESIDERO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 669-7242
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G04 - Tank Secondary Containment - Double-Walled (Underground)
A02 - Tank Internal Protection - Rubber Liner
F06 - Pipe External Protection - Wrapped
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
B02 - Tank External Protection - Original Sacrificial Anode
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	19382
Tank Number:	001
Tank ID:	21991
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	07/01/1965
Capacity Gallons:	15000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	08/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT

130 STUYVESANT PLACE (Continued) **U001837544**

Last Modified:	03/04/2004
Site ID:	19382
Tank Number:	1
Tank ID:	44997
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	09/01/1992
Capacity Gallons:	12000
Tightness Test Method:	ZZ
Next Test Date:	Not reported
Date Tank Closed:	04/10/2001
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	10/01/1992
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-403636
SPDES Number:	Not reported
Emergency Contact:	JOSEPH DIDESIDERO
Emergency Telephone:	(212) 669-7242
Operator:	FRANK SALZILLO
Operator Telephone:	(718) 556-7371
Owner Name:	N.Y.C. DEPT. OF CITYWIDE ADMIN. SERVICES
Owner Address:	1 CENTRE STREET - 16TH FLOOR NORTH
Owner City,St,Zip:	NEW YORK, NY 10007
Owner Telephone:	(212) 669-7244
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	NYC DEPT. CITYWIDE ADMIN. SERVICES
Mailing Address:	MANHATTAN MUNICIPAL BLDG.
Mailing Address 2:	1 CENTRE STREET
Mailing City,St,Zip:	NEW YORK, NY 10007
Mailing Contact:	GEORGE SULTANA
Mailing Telephone:	(212) 669-7244
Owner Mark:	Second Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	130 STUYVESANT PLACE
SWIS ID:	6401
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:	Not reported
Expiration Date:	10/15/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0

130 STUYVESANT PLACE (Continued) **U001837544**

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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19650701
Capacity (gals):	15000
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:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	08/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	1
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19920901
Capacity (gals):	12000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	Rubber Liner
Tank External:	12
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	26
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Product Level Gauge, Catch Basin
Dispenser:	Suction
Date Tested:	10/01/1992
Next Test Date:	Not reported

130 STUYVESANT PLACE (Continued) **U001837544**

Missing Data for Tank: No Missing Data
Date Closed: 04/10/2001
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

G53 NW < 1/8 0.117 mi. 620 ft.

COLLEGE OF STATEN ISLAND
130 STUYVESENT PL
STATEN ISLAND, NY 10301

RCRA-NonGen FINDS NY MANIFEST

1001127918 NYR000035279

Site 3 of 7 in cluster G

Relative: Higher

Actual: 59 ft.

RCRA-NonGen:
Date form received by agency: 01/01/2007
Facility name: COLLEGE OF STATEN ISLAND
Facility address: 130 STUYVESENT PL
STATEN ISLAND, NY 103011907
EPA ID: NYR000035279
Mailing address: STUYVESENT PL
C-O NYC DEPT OF DESIGN & CONST
STATEN ISLAND, NY 10301
Contact: Not reported
Contact address: STUYVESENT PL
STATEN ISLAND, NY 10301
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: NYC DEPT OF GENERAL SERVICES
Owner/operator address: 1 CENTRE BLDG MUNICIPAL BLDG
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 669-7904
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYC DEPT OF GENERAL SERVICES
Owner/operator address: 1 CENTRE BLDG MUNICIPAL BLDG
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 669-7904
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

COLLEGE OF STATEN ISLAND (Continued) **1001127918**

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
Facility name:	COLLEGE OF STATEN ISLAND
Classification:	Not a generator, verified
Date form received by agency:	07/08/1999
Facility name:	COLLEGE OF STATEN ISLAND
Classification:	Not a generator, verified
Date form received by agency:	02/05/1997
Facility name:	COLLEGE OF STATEN ISLAND
Classification:	Small Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110004532140

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:	NYR000035279
Country:	USA
Mailing Name:	COLLEGE OF STATEN ISLAND
Mailing Contact:	JOHN SANTANA
Mailing Address:	130 STUYESENT PL
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-391-1292

NY MANIFEST:

COLLEGE OF STATEN ISLAND (Continued) **1001127918**

No Manifest Records Available

G54 **120 STAVESENT PL/S.I.** **NY LTANKS** **S100168216**
NW **120 STAVESENT PLACE** **NY HIST LTANKS** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.121 mi.
641 ft. **Site 4 of 7 in cluster G**

Relative:
Higher

Actual:
56 ft.

LTANKS:

Site ID:	167377
Spill No:	9011492
Spill Date:	1/31/1991
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.
Spill Closed Dt:	3/6/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	1/31/1991
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:	2/8/1991
Spill Record Last Update:	3/6/2003
Spiller Name:	Not reported
Spiller Company:	STATEN ISLAND COLLEGE
Spiller Address:	120 STAVESENT PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	141022
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"03/06/2003- Closed Due To The Nature / Extent Of The Spill Report
Remarks:	6K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK,ROUTINE TEST,WILL EMPTY TANK,REPAIR & RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO-DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID:	167377
Operable Unit ID:	948513
Operable Unit:	01
Material ID:	428035
Material Code:	0001A
Material Name:	#2 Fuel Oil

120 STAVESENT PL/S.I. (Continued) **S100168216**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	167377
Spill Tank Test:	1538206
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

HIST LTANKS:

Region of Spill:	2
Spill Number:	9011492
Spill Date:	01/31/1991
Spill Time:	14:30
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/31/91
Reported to Department Time:	19:23
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	STATEN ISLAND COLLEGE
Spiller Address:	120 STAVESENT PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 390-7662

120 STAVESENT PL/S.I. (Continued) **S100168216**

Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/08/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/27/92
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: 6K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK,ROUTINE TEST,WILL EMPTY TANK,REPAIR RETEST.

G55 **STUYVESANT BUSINESS CENTER, LLC** **NY UST** **U001839314**
NW **120 STUYVESANT PLACE** **NY HIST UST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301** **NY E DESIGNATION**
0.125 mi.
661 ft. **Site 5 of 7 in cluster G**

Relative:
Higher

Actual:
56 ft.

UST:
Facility Id: 2-340790
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2009/03/31
UTM X: 578030.98508999997
UTM Y: 4499535.7207000004

Affiliation Records:
Site Id: 16474
Affiliation Type: Owner

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Company Name:	STUYVESANT BUSINESS CENTER, LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	260 CHRISTOPHER LANE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 983-8800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16474
Affiliation Type:	Mail Contact
Company Name:	LEE & AMTZIS
Contact Type:	Not reported
Contact Name:	R. RANDY LEE, ESQ.
Address1:	260 CHRISTOPHER LANE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 983-8800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16474
Affiliation Type:	On-Site Operator
Company Name:	STUYVESANT BUSINESS CENTER, LLC
Contact Type:	Not reported
Contact Name:	GERALD WERTZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 815-7488
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16474
Affiliation Type:	Emergency Contact
Company Name:	STUYVESANT BUSINESS CENTER, LLC
Contact Type:	Not reported
Contact Name:	JEROME SOVELOVE

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 983-8800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	16474
Tank Number:	#1
Tank ID:	31663
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	03
Next Test Date:	04/01/2004
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/1999
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	16474

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Tank Number:	002
Tank ID:	31664
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	03
Next Test Date:	04/01/2004
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/1999
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-340790
SPDES Number:	Not reported
Emergency Contact:	JEROME SOVELOVE
Emergency Telephone:	(718) 983-8800
Operator:	GERALD WERTZ
Operator Telephone:	(718) 815-7488
Owner Name:	STUYVESANT BUSINESS CENTER, LLC.
Owner Address:	260 CHRISTOPHER LANE
Owner City,St,Zip:	STATEN ISLAND, NY 10314
Owner Telephone:	(718) 983-8800
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	LEE & AMTZIS
Mailing Address:	260 CHRISTOPHER LANE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10314
Mailing Contact:	R. RANDY LEE, ESQ.
Mailing Telephone:	(718) 983-8800
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:	120 STUYVESANT PLACE
SWIS ID:	6401
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:	04/06/1999
Expiration Date:	03/31/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
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:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	04/01/1999
Next Test Date:	04/01/2004
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
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:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	04/01/1999
Next Test Date:	04/01/2004
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Deleted:	False
Updated:	True
Lat/long:	Not reported

E DESIGNATION:

Tax Lot(s):	60
E-No:	E-217
Effective Date:	10/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	08DCP070R
Ulurp Number:	080426ZMR
Zoning Map No:	21c
Description:	Air Quality - Natural Gas Heat & Hot Water
Borough Code:	SI
Community District:	501
Census Tract:	3
Census Block:	1001
School District:	31
City Council District:	49
Fire Company:	E155
Health Area:	51
Police Precinct:	120
Zone District 1:	C4-2
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	C4-2
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	O1
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	SYZ HOLDINGS, LLC C/
Lot Area:	000035000
Total Building Floor Area:	00000079150
Commercial Floor Area:	00000079150
Office Floor Area:	00000079150
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	004.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0175.00
Lot Depth:	0200.00
Building Frontage:	0135.00
Building Depth:	0150.00
Proximity Code:	3
Irregular Lot Code:	N
Lot Type:	5

STUYVESANT BUSINESS CENTER, LLC (Continued) **U001839314**

Basement Type Grade:	5
Land Assessed Value:	00000236250
Total Assessed Value:	00001084500
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1974
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.26
Maximum Allowable Far:	03.40
Borough Code:	5
Borough Tax Block And Lot:	5000080060
Condominium Number:	00000
Census Tract 2:	0003
X Coordinate:	0962701
Y Coordinate:	0173637
Zoning Map:	21C
Sanborn Map:	501 008
Tax Map:	50101
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G56 **MC GREGOR ARMS REALTY CO** **NY AST** **U003392921**
NW **115 STUYVESANT PL** **NY HIST AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.136 mi.
718 ft. **Site 6 of 7 in cluster G**

Relative:
Higher

Actual:
53 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-289000
Program Type:	PBS
UTM X:	578022.63870999997
UTM Y:	4499551.4308799999
Expiration Date:	2013/01/07

Affiliation Records:

Site Id:	12998
Affiliation Type:	Owner
Company Name:	JANE KURTIN
Contact Type:	PARTNER
Contact Name:	JANE KURTIN
Address1:	P.O. BOX 445, ST. GEORGE STATION
Address2:	Not reported
City:	STATEN ISLAND

MC GREGOR ARMS REALTY CO (Continued) **U003392921**

State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 981-5079
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	kakyer
Date Last Modified:	11/23/2007

Site Id:	12998
Affiliation Type:	Mail Contact
Company Name:	MC GREGORY ARMS REALTY CO.
Contact Type:	Not reported
Contact Name:	JANE KURTIN
Address1:	P.O. BOX 445
Address2:	ST. GEORGE STATION
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 981-5079
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12998
Affiliation Type:	On-Site Operator
Company Name:	MC GREGOR ARMS REALTY CO
Contact Type:	Not reported
Contact Name:	JANE KURTIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 981-5079
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12998
Affiliation Type:	Emergency Contact
Company Name:	JANE KURTIN
Contact Type:	Not reported
Contact Name:	JANE KURTIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001

MC GREGOR ARMS REALTY CO (Continued) **U003392921**

Phone:	(718) 981-5079
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
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 Info:

Tank Number:	001
Tank Id:	25647
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	04/01/1980
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:	kakyer
Last Modified:	11/23/2007

HIST AST:

PBS Number:	2-289000
SWIS Code:	6401
Operator:	JANE KURTIN
Facility Phone:	(718) 981-5079
Facility Addr2:	115 STUYVESANT PL
Facility Type:	APARTMENT BUILDING
Emergency:	JANE KURTIN
Emergency Tel:	(718) 981-5079
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	JANE KURTIN
Owner Address:	P.O. BOX 445, ST. GEORGE STATION
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Federal ID:	Not reported
Owner Tel:	(718) 981-5079
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	JANE KURTIN

MC GREGOR ARMS REALTY CO (Continued) **U003392921**

Mailing Name:	MC GREGORY ARMS REALTY CO.
Mailing Address:	P.O. BOX 445
Mailing Address 2:	ST. GEORGE STATION
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 981-5079
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:	12/01/1997
Expiration:	01/07/2003
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:	64
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 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
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

H57 NNW 1/8-1/4 0.138 mi. 729 ft. | **BENEDICT REALTY CO**
36 RICHMOND TERR
STATEN ISLAND, NY 10301

NY UST **U000397658**
NY HIST UST **N/A**

Site 1 of 2 in cluster H

Relative: Lower

Actual: 20 ft.

UST:

Facility Id:	2-207721
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/06/30
UTM X:	578099.49913999997
UTM Y:	4499610.08029

Affiliation Records:

Site Id:	7387
Affiliation Type:	Owner
Company Name:	BENEDICT REALTY CO
Contact Type:	PARTNER
Contact Name:	ALDO GIOVANUCCI
Address1:	45 WATCHOQUE RD
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 494-6612
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/21/2007

Site Id:	7387
Affiliation Type:	Mail Contact
Company Name:	BENEDICT REALTY CO
Contact Type:	PARTNER
Contact Name:	ALDO GIOVANUCCI
Address1:	45 WATCHOQUE RD
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10314
Country Code:	001
Phone:	(718) 494-6612
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/21/2007

Site Id:	7387
Affiliation Type:	On-Site Operator
Company Name:	BENEDICT REALTY CO
Contact Type:	Not reported
Contact Name:	BENEDICT REALTY CO
Address1:	Not reported
Address2:	Not reported

BENEDICT REALTY CO (Continued) **U000397658**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 494-6612
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	7387
Affiliation Type:	Emergency Contact
Company Name:	BENEDICT REALTY CO
Contact Type:	Not reported
Contact Name:	RAYMOND RUSSO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 447-1107
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/21/2007

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	7387

Tank Number:	001
Tank ID:	9635
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/03/1951
Capacity Gallons:	2000
Tightness Test Method:	21
Next Test Date:	03/15/2017
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	03/15/2012

BENEDICT REALTY CO (Continued) **U000397658**

Register:	True
Modified By:	BKFALVEY
Last Modified:	03/30/2012

HIST UST:

PBS Number:	2-207721
SPDES Number:	Not reported
Emergency Contact:	FRANK BENHAM
Emergency Telephone:	(718) 720-9278
Operator:	BENEDICT REALTY CO
Operator Telephone:	(718) 494-6612
Owner Name:	BENEDICT REALTY CO
Owner Address:	45 WATCHOQUE RD
Owner City,St,Zip:	STATEN ISLAND, NY 10314
Owner Telephone:	(718) 494-6612
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	BENEDICT REALTY CO
Mailing Address:	45 WATCHOQUE RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10314
Mailing Contact:	ALDO GIOVANUCCI
Mailing Telephone:	(718) 494-6612
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:	36 RICHMOND TERR
SWIS ID:	6401
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:	09/17/1997
Expiration Date:	06/30/2002
Renew Flag:	False
Renewal 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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	2000

BENEDICT REALTY CO (Continued) **U000397658**

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:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	07/01/1997
Next Test Date:	07/01/2002
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

G58 **HARBOR GARDENS ASSOC** **NY AST** **U003384604**
NW **100 STUYVESANT PLACE** **NY HIST AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.164 mi.
864 ft. **Site 7 of 7 in cluster G**

Relative:
Higher

Actual:
53 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-114421
Program Type:	PBS
UTM X:	578001.76921000006
UTM Y:	4499591.0532299997
Expiration Date:	2017/03/24

Affiliation Records:

Site Id:	3740
Affiliation Type:	Owner
Company Name:	HARBOR GARDENS ASSOC
Contact Type:	MANAGING PARTNER
Contact Name:	ROBERT FITZSIMMONS
Address1:	100 STUYVESANT PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(218) 447-3982
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	1/3/2007

Site Id:	3740
Affiliation Type:	Mail Contact

HARBOR GARDENS ASSOC (Continued) **U003384604**

Company Name:	HARBOR GARDENS ASSOC
Contact Type:	Not reported
Contact Name:	ROBERT J. FITZSIMMONS
Address1:	100 STUYVESANT PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(218) 447-3982
Phone Ext:	Not reported
Email:	BOBT@GATEWAYARMSREALTY.COM
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	1/3/2007

Site Id:	3740
Affiliation Type:	On-Site Operator
Company Name:	HARBOR GARDENS ASSOC
Contact Type:	Not reported
Contact Name:	GATEWAY REALTY CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(218) 447-3982
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3740
Affiliation Type:	Emergency Contact
Company Name:	HARBOR GARDENS ASSOC
Contact Type:	Not reported
Contact Name:	ROBERT J FITZSOMMONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-3800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

E00 - Piping Secondary Containment - None
E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

HARBOR GARDENS ASSOC (Continued) **U003384604**

I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)
H99 - Tank Leak Detection - Other
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
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
K00 - Spill Prevention - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Info:

Tank Number:	001
Tank Id:	4087
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	01/01/1924
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:	12/28/2011

Tank Number:	002
Tank Id:	4088
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	01/01/1924
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:	12/28/2011

HARBOR GARDENS ASSOC (Continued) **U003384604**

HIST AST:

PBS Number:	2-114421
SWIS Code:	6401
Operator:	GATEWAY REALTY CORP
Facility Phone:	(218) 447-3982
Facility Addr2:	100 STUYVESANT PLACE
Facility Type:	APARTMENT BUILDING
Emergency:	ROBERT J FITZSOMMONS
Emergency Tel:	(718) 273-3800
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	HARBOR GARDENS ASSOC
Owner Address:	100 STUYVESANT PLACE
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Federal ID:	Not reported
Owner Tel:	(218) 447-3982
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	HARBOR GARDENS ASSOC
Mailing Address:	100 STUYVESANT PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 273-3800
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:	02/28/1997
Expiration:	03/24/2002
Renew Flag:	False
Renew Date:	20011113
Total Capacity:	10000
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:	64
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

HARBOR GARDENS ASSOC (Continued) **U003384604**

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

Tank ID:	002
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:	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

H59 **DREDGE TAVRACAVOR** **RCRA-NonGen** **1004762018**
NNW **OFF HANNAH ST AT PIER 7 1/2** **FINDS** **NYR000092718**
1/8-1/4 **STATEN ISLAND, NY 10301** **NY MANIFEST**
0.164 mi.
867 ft. **Site 2 of 2 in cluster H**

Relative:
Lower

Actual:
17 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	DREDGE TAVRACAVOR
Facility address:	OFF HANNAH ST AT PIER 7 1/2 STATEN ISLAND, NY 10301
EPA ID:	NYR000092718
Mailing address:	RICHMOND TER

DREDGE TAVRACAVOR (Continued) **1004762018**

	STATEN ISLAND, NY 10303
Contact:	KEN LAGO
Contact address:	RICHMOND TER
	STATEN ISLAND, NY 10303
Contact country:	US
Contact telephone:	(212) 555-1212
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:	BEAN EXCAVATION LLC
Owner/operator address:	619 ENGINEERS RD
	BELLE CHASE, LA 70037
Owner/operator country:	US
Owner/operator telephone:	(504) 587-8600
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	BEAN EXCAVATION LLC
Owner/operator address:	619 ENGINEERS RD
	BELLE CHASE, LA 70037
Owner/operator country:	US
Owner/operator telephone:	(504) 587-8600
Legal status:	Private
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
Facility name:	DREDGE TAVRACAVOR
Classification:	Not a generator, verified

Date form received by agency:	12/12/2000
Facility name:	DREDGE TAVRACAVOR

DREDGE TAVRACAVOR (Continued) **1004762018**

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008114049

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:	NYR000092718
Country:	USA
Mailing Name:	BEAN EXCAVATING
Mailing Contact:	N/S
Mailing Address:	1055 SAINT CHARLES ST
Mailing Address 2:	Not reported
Mailing City:	NEW ORLEANS
Mailing State:	LA
Mailing Zip:	70130
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-815-9656

Document ID:	NYG2355885
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	01/30/2001
Trans1 Recv Date:	01/31/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/31/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000092718
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

I60
WNW
1/8-1/4
0.174 mi.
919 ft.

RESIDENTIAL APARTMENT BUILDING
299 SAINT MARKS PLACE
STATEN ISLAND, NY 10301

NY AST **U003383914**
NY HIST AST **N/A**

Site 1 of 5 in cluster I

Relative:
Higher

Actual:
103 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-069493
Program Type:	PBS
UTM X:	577907.6496
UTM Y:	4499479.20866
Expiration Date:	2016/07/14

Affiliation Records:

Site Id:	1483
Affiliation Type:	Mail Contact
Company Name:	SAMSON MANAGEMENT LLC
Contact Type:	Not reported
Contact Name:	ALBA W. MELENDEZ
Address1:	97-77 QUEENS BOULEVARD
Address2:	SUITE 710
City:	REGO PARK
State:	NY
Zip Code:	11374
Country Code:	001
Phone:	(718) 830-0131
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/24/2012

Site Id:	1483
Affiliation Type:	On-Site Operator
Company Name:	299 ST MARKS PL
Contact Type:	Not reported
Contact Name:	TITO RIVERA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 759-7207
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/24/2011

Site Id:	1483
Affiliation Type:	Emergency Contact
Company Name:	BAYVIEW HOUSE ASSOCIATES
Contact Type:	Not reported
Contact Name:	ANDRE WILLIAMS
Address1:	Not reported
Address2:	Not reported

RESIDENTIAL APARTMENT BUILDING (Continued) **U003383914**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 820-0131
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/24/2011

Site Id:	1483
Affiliation Type:	Owner
Company Name:	299 ST MARKS LLC C/O SAMSON MGMT LLC
Contact Type:	PROPERTY MANAGER
Contact Name:	ANDRE WILLIAMS
Address1:	97-77 QUEENS BLVD, SUITE 710
Address2:	Not reported
City:	REGO PARK
State:	NY
Zip Code:	11374
Country Code:	001
Phone:	(718) 830-0131
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	9/24/2012

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F06 - Pipe External Protection - Wrapped
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Info:

Tank Number:	283
Tank Id:	2557
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	01/01/1951
Capacity Gallons:	7500
Tightness Test Method:	03
Date Test:	05/01/1994
Next Test Date:	Not reported

RESIDENTIAL APARTMENT BUILDING (Continued) **U003383914**

Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	09/24/2012

HIST AST:

PBS Number:	2-069493
SWIS Code:	6401
Operator:	JUAN "TITO" RIVERA
Facility Phone:	(718) 846-5322
Facility Addr2:	299 SAINT MARKS PLACE
Facility Type:	APARTMENT BUILDING
Emergency:	RICHARD HOLLAND
Emergency Tel:	(212) 753-9133
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BAYVIEW HOUSE ASSOCIATES
Owner Address:	515 MADISON AVENUE
Owner City,St,Zip:	NEW YORK, NY 10022
Federal ID:	Not reported
Owner Tel:	(212) 753-9133
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	SUPER/FACILITY MANAGER
Mailing Name:	RESIDENTIAL APARTMENT BUILDING
Mailing Address:	299 SAINT MARKS PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 442-6248
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:	04/03/2000
Expiration:	01/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	7500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
Town or City Code:	01
Region:	2

Tank ID:	283
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	7500

RESIDENTIAL APARTMENT BUILDING (Continued) **U003383914**

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:	05/01/1994
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

I61 **RIVINGTON ASSOCIATES** **NY LTANKS** **S106123984**
WNW **299 SAINT MARKS PLACE** **N/A**
1/8-1/4 **STATEN ISLAND, NY**
0.174 mi.
919 ft. **Site 2 of 5 in cluster I**

Relative:
Higher

Actual:
103 ft.

LTANKS:

Site ID:	247828
Spill No:	0311679
Spill Date:	1/16/2004
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.
Spill Closed Dt:	4/21/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	1/16/2004
CID:	405
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/16/2004
Spill Record Last Update:	4/21/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001

RIVINGTON ASSOCIATES (Continued) **S106123984**

Spiller Contact:	RAY LARA
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	203493
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"1/20/04 TJDSpill initially reported as 20 gallons. Upgraded to 40 gallons. Site visit revealed spill volume actually closer to 100 gallons. Spill cause is human error as tank manway was left unbolted during delivery causing release. Spill impacts all inside of apt building boiler room. PTC retained for cleanup. Cleanup performed using absorbents and vac truck. Bldg. Contactssuper: Tito Rivera (917)208-6932owner: Mr. Holland (212)234-7500T&S Trucking delivering for CastlePBS #2-0694934/21/04 TJDSpill closed.
Remarks:	The fuel oil is in a contanded area. Clean up wil be starting in a few minutes.

Material:

Site ID:	247828
Operable Unit ID:	879291
Operable Unit:	01
Material ID:	496929
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	247829
Spill No:	0311680
Spill Date:	1/16/2004
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.
Spill Closed Dt:	1/20/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False

RIVINGTON ASSOCIATES (Continued) **S106123984**

SWIS:	4301
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	1/16/2004
CID:	405
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/16/2004
Spill Record Last Update:	1/20/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	MR. HOLLAND
Spiller Phone:	(212) 234-7500
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	203493
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"Duplicate to Spill #0311679
Remarks:	The top of the tank was completely lose which cause the tank overfill. clean up has started.

Material:

Site ID:	247829
Operable Unit ID:	877036
Operable Unit:	01
Material ID:	496930
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

62 North 1/8-1/4 0.179 mi. 946 ft. | **NYC ECONOMIC DEV - BALLPARK AT ST GEORGE**
RICHMOND TER NICHOLAS & WALL
STATEN ISLAND, NY 10301 | **RCRA-NonGen FINDS NY MANIFEST** | **1001485609 NYR000070201**

Relative: Lower

Actual: 3 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYC ECONOMIC DEV - BALLPARK AT ST GEORGE
Facility address:	RICHMOND TER NICHOLAS & WALL ST BLK 2 LOT 20 N SIDE STATEN ISLAND, NY 10301
EPA ID:	NYR000070201
Mailing address:	WILLIAM ST NEW YORK, NY 10038
Contact:	KAY ZIAS
Contact address:	WILLIAM ST NEW YORK, NY 10038
Contact country:	US
Contact telephone:	(212) 312-3752
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 ECONOMIC DEVELOPMENT CORP
Owner/operator address:	110 WILLIAM ST NEW YORK, NY 10038
Owner/operator country:	US
Owner/operator telephone:	(212) 312-3752
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYC ECONOMIC DEVELOPMENT CORP
Owner/operator address:	110 WILLIAM ST NEW YORK, NY 10038
Owner/operator country:	US
Owner/operator telephone:	(212) 312-3752
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

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

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
Facility name: NYC ECONOMIC DEV - BALLPARK AT ST GEORGE
Classification: Not a generator, verified

Date form received by agency: 04/16/1999
Facility name: NYC ECONOMIC DEV - BALLPARK AT ST GEORGE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008107887

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: NYR000070201
Country: USA
Mailing Name: NYC ECONOMIC DEVELOPMENT CORP
Mailing Contact: JOSEPH ANGOTTI
Mailing Address: 110 WILLIAM ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10030
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-312-3752

Document ID: NYG1709982
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 12/15/1999
Trans1 Recv Date: 12/15/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/16/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000070201
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

TSDF ID:	PD1011NY
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:	99

Document ID:	NJA3180265
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	50181
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA3180270
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

Document ID:	NJA2290072
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	45000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290073
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290074
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290075
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290076
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	48000
Units:	P - Pounds
Number of Containers:	001

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290077
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
Trans2 State ID:	Not reported
Generator Ship Date:	08/10/2000
Trans1 Recv Date:	08/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	MIA8029169
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	12/18/2000
Trans1 Recv Date:	12/18/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/20/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	MID060975844
Trans2 EPA ID:	Not reported
TSDF ID:	NYPA263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
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:	2000

Document ID:	NJA2290086
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	48000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290087
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290088
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

Trans2 EPA ID:	Not reported
TSDF ID:	S0181
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290089
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290090
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	47000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

NYC ECONOMIC DEV - BALLPARK AT ST GEORGE (Continued) **1001485609**

Year:	2000

Document ID:	NJA2290091
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	084009
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	46000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA2290092
Manifest Status:	Not reported
Trans1 State ID:	NYD986969947
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:	08/14/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000070201
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	S50010
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	44000
Units:	P - Pounds
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

I63 WNW 1/8-1/4 0.191 mi. 1007 ft. | **GATEWAY ARMS/APARTMENT HOUSE**
285 SAINT MARKS PLACE
STATEN ISLAND, NY 10301

NY UST **U001832315**
NY HIST UST **N/A**

Site 3 of 5 in cluster I

Relative: Higher

Actual: 110 ft.

UST:

Facility Id:	2-114391
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/03/24
UTM X:	577885.70383000001
UTM Y:	4499515.5388500001

Affiliation Records:

Site Id:	3737
Affiliation Type:	Owner
Company Name:	GATEWAY ARMS/APARTMENT HOUSE
Contact Type:	MANAGING PARTNER
Contact Name:	ROBERT J. FITZSIMMONS
Address1:	285 ST MARKS PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 273-3800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/7/2007

Site Id:	3737
Affiliation Type:	Mail Contact
Company Name:	GATEWAY ARMS/APARTMENT HOUSE
Contact Type:	Not reported
Contact Name:	MR. ROBERT J. FITZSIMMONS JR.
Address1:	285 SAINT MARKS PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 273-3800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	2/7/2007

Site Id:	3737
Affiliation Type:	On-Site Operator
Company Name:	GATEWAY ARMS/APARTMENT HOUSE
Contact Type:	Not reported
Contact Name:	GATEWAY ARMS/APARTMENT HOUSE
Address1:	Not reported
Address2:	Not reported

GATEWAY ARMS/APARTMENT HOUSE (Continued) **U001832315**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-3800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3737
Affiliation Type:	Emergency Contact
Company Name:	GATEWAY ARMS/APARTMENT HOUSE
Contact Type:	Not reported
Contact Name:	ROBERT J FITZSIMMONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-3800
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	3737

Tank Number:	001
Tank ID:	4084
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	12/01/1966
Capacity Gallons:	7500
Tightness Test Method:	21
Next Test Date:	12/27/2012
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	12/27/2007

GATEWAY ARMS/APARTMENT HOUSE (Continued) **U001832315**

Register:	True
Modified By:	bkfalvey
Last Modified:	01/23/2008

HIST UST:

PBS Number:	2-114391
SPDES Number:	Not reported
Emergency Contact:	ROBERT J FITZSIMMONS
Emergency Telephone:	(718) 273-3800
Operator:	GATEWAY ARMS/APARTMENT HOUSE
Operator Telephone:	(718) 273-3800
Owner Name:	GATEWAY ARMS/APARTMENT HOUSE
Owner Address:	285 ST MARKS PLACE
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Owner Telephone:	(718) 273-3800
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	GATEWAY ARMS/APARTMENT HOUSE
Mailing Address:	285 ST MARKS PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Contact:	Not reported
Mailing Telephone:	(718) 273-3800
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:	285 SAINT MARKS PLACE
SWIS ID:	6401
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:	True
Certification Date:	Not reported
Expiration Date:	03/24/2007
Renew Flag:	False
Renewal Date:	20011113
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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19661201
Capacity (gals):	7500

GATEWAY ARMS/APARTMENT HOUSE (Continued) **U001832315**

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
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	04/01/1998
Next Test Date:	04/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

J64 **BLOCK 2, LOT 20** **NY UST** **U003652114**
NNW **INTERSECTION RICHMOND TERRACE & WALL ST** **NY HIST UST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.191 mi.
1010 ft. **Site 1 of 11 in cluster J**

Relative:
Lower

Actual:
11 ft.

UST:

Facility Id:	2-604124
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	Not reported
UTM Y:	Not reported

Affiliation Records:

Site Id:	26007
Affiliation Type:	Owner
Company Name:	NEW YORK CITY ECONOMIC DEVEL. CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	110 WILLIAM STREET, 6TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 312-3752
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26007
Affiliation Type:	Mail Contact

BLOCK 2, LOT 20 (Continued) **U003652114**

Company Name:	NEW YORK CITY ECONOMIC DEVELOPMENT CORP
Contact Type:	Not reported
Contact Name:	MS. KAY ZIAS
Address1:	110 WILLIAM STREET, 6TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 312-3752
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26007
Affiliation Type:	On-Site Operator
Company Name:	BLOCK 2, LOT 20
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:	001
Phone:	Not reported
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26007
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY ECONOMIC DEVEL. CORP.
Contact Type:	Not reported
Contact Name:	MR. KAY ZIAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 312-3752
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None

BLOCK 2, LOT 20 (Continued) **U003652114**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	26007
Tank Number:	001
Tank ID:	56763
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	06/01/1999
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-604124
SPDES Number:	Not reported
Emergency Contact:	MR. KAY ZIAS
Emergency Telephone:	(212) 312-3752
Operator:	Not reported
Operator Telephone:	Not reported
Owner Name:	NEW YORK CITY ECONOMIC DEVEL. CORP.
Owner Address:	110 WILLIAM STREET, 6TH FLOOR
Owner City,St,Zip:	NEW YORK, NY 10038
Owner Telephone:	(212) 312-3752
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	NEW YORK CITY ECONOMIC DEVELOPMENT CORP
Mailing Address:	110 WILLIAM STREET, 6TH FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Contact:	MS. KAY ZIAS
Mailing Telephone:	(212) 312-3752
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:	SOUTHEAST CORNER OF LOT
SWIS ID:	6401
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

BLOCK 2, LOT 20 (Continued) **U003652114**

Certification Date:	Not reported
Expiration Date:	06/22/2004
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Major Data Missing (which is on the certificate)
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	2500
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:	Diking
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:	06/01/1999
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

I65 **RALPH R MCKEE VOC HS (R600)** **NY AST** **A100129123**
WNW **290 ST. MARKS PLACE** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.192 mi.
1015 ft. **Site 4 of 5 in cluster I**

Relative:
Higher

Actual:
111 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603801
Program Type:	PBS
UTM X:	577895.02474000002
UTM Y:	4499508.6144500002
Expiration Date:	2013/12/04

RALPH R MCKEE VOC HS (R600) (Continued) **A100129123**

Affiliation Records:

Site Id:	25704
Affiliation Type:	Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	RAYMOND CORREA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	GDBREEN
Date Last Modified:	9/4/2012

Site Id:	25704
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	Not reported
Contact Name:	RAYMOND CORREA
Address1:	FIELD OPERATIONS - FUEL DIV.
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/31/2009

Site Id:	25704
Affiliation Type:	On-Site Operator
Company Name:	RALPH R MCKEE VOC HS (R600)
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
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25704
Affiliation Type:	Emergency Contact

RALPH R MCKEE VOC HS (R600) (Continued) **A100129123**

Company Name:	NEW YORK CITY DEPARTMENT 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
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	GDBREEN
Date Last Modified:	12/6/2012

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
C01 - Pipe Location - Aboveground

Tank Info:

Tank Number:	1
Tank Id:	55586
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	11/01/1998
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:	TRANSLAT
Last Modified:	03/04/2004

K66 **NYCDEP - HANNAH STREET** **RCRA-NonGen** **1004761682**
SSE **1 MURRAY HULBERT ST** **FINDS** **NYR000089342**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.194 mi.
1023 ft. **Site 1 of 3 in cluster K**

Relative:
Lower

Actual:
4 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYCDEP - HANNAH STREET
Facility address:	1 MURRAY HULBERT ST STATEN ISLAND, NY 10301

NYCDEP - HANNAH STREET (Continued) **1004761682**

EPA ID:	NYR000089342
Mailing address:	MURRAY HULBERT ST STATEN ISLAND, NY 10301
Contact:	JOHN RUSSO
Contact address:	MURRAY HULBERT ST STATEN ISLAND, NY 10301
Contact country:	US
Contact telephone:	(718) 444-3224
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:	NYCDEP
Owner/operator address:	6016 FLATLANDS AVE BROOKLYN, NY 11205
Owner/operator country:	US
Owner/operator telephone:	(718) 444-3224
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	NYCDEP
Owner/operator address:	6016 FLATLANDS AVE BROOKLYN, NY 11205
Owner/operator country:	US
Owner/operator telephone:	(718) 444-3224
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
Facility name:	NYCDEP - HANNAH STREET
Classification:	Not a generator, verified

NYCDEP - HANNAH STREET (Continued) **1004761682**

Date form received by agency: 08/31/2000
Facility name: NYCDEP - HANNAH STREET
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004564178

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.

K67 **RICHMOND CHOLRINATION PLANT C/O NYC DEP** **NY CBS UST** **S102641280**
SSE **2 MURRAY HULBERT AVENUE** **NY CBS AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10314** **NY MANIFEST**
0.194 mi. **NY Spills**
1023 ft. **Site 2 of 3 in cluster K** **NY CBS**

Relative:
Lower

Actual:
4 ft.

CBS UST:
UST CBS Number: 2-000099
Facility Status: CLOSED IN PLACE
Facility Type: UTILITY
Facility Tel: (718) 652-2193
Total Tanks: 1
Region: STATE
ICS No: 2-700455
PBS No: Not reported
MOSF No: Not reported
SPDES No: Not reported
Town: NEW YORK CITY
Operator: KEVIN MCELYNN
Emergency Contact: JOSPEH HADDEN
Emergency Contact Phone: (718) 652-2193
Certification Date: 12/15/1999
Expiration Date: 07/10/2001
Owner Name: NYC BUREAU OF WASTEWATER POLLUTION CONTROL
Owner Address: 96-05 HORACE HARDING EXPRESSWAY
Owner City,St,Zip: CORONA, NY 11368
Owner Tele: (718) 595-5750
Owner Type: Local Government
Owner Subtype: Not reported
Mail To Name: NYC BUREAU OF WATER SUPPLY
Mail To Contact: JOSEPH HADDEN
Mail To Address: 415 EAST 203 STREET
Mail To Address 2: Not reported
Mail To City,St,Zip: BRONX, NY 10467
Mail To Telephone: (718) 652-2193
Facility Status: 1

Tank Number: 1
Date Entered: 07/10/1989

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Capacity:	4600
Chemical:	Sodium hypochlorite
Tank Closed:	12/99
Tank Status:	In Service
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/70
CAS No:	7681529
Substance:	Single Hazardous Substance on DEC List
Tank Location:	UNDERGROUND
Tank Internal:	Other
Tank External:	Other
Pipe Location:	Aboveground/Underground Combination
Pipe Internal:	Other
Pipe External:	Other
Leak Detection:	In-tank System
2nd Containmt:	Double-Walled
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Pipe Containment:	Excavation/Tranch Liner
Tank Error Status:	No Missing Data
Tank Secret:	False
Date Entered:	13:30:32
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6401
Pipe Type:	PLASTIC
Cert Flag:	False
Is it There:	False
Is Updated:	False
Owners Mark:	First Owner
Lat/Long:	Not reported
Renew Date:	08/23/93
Deliquent:	False
Total Capacity:	4000
Date Expired:	07/10/95
Flag:	C
Case No:	Not reported
Federal Amt:	True
Pipe Flag:	False
Reserve Flag:	True

Tank Number:	2
Date Entered:	07/10/1989
Capacity:	4600
Chemical:	Sodium hypochlorite
Tank Closed:	12/99
Tank Status:	In Service
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/70
CAS No:	7681529
Substance:	Single Hazardous Substance on DEC List
Tank Location:	UNDERGROUND
Tank Internal:	Other
Tank External:	Other
Pipe Location:	Aboveground/Underground Combination
Pipe Internal:	Other

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Pipe External:	Other
Leak Detection:	In-tank System
2nd Containmt:	Double-Walled
Overfill Protection:	Product Level Gauge
Haz Percent:	15
Pipe Containment:	Excavation/Tranch Liner
Tank Error Status:	No Missing Data
Tank Secret:	False
Date Entered:	13:30:44
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	6401
Pipe Type:	PLASTIC
Cert Flag:	False
Is it There:	False
Is Updated:	False
Owners Mark:	First Owner
Lat/Long:	Not reported
Renew Date:	08/23/93
Deliquent:	False
Total Capacity:	4000
Date Expired:	07/10/95
Flag:	C
Case No:	Not reported
Federal Amt:	True
Pipe Flag:	False
Reserve Flag:	True

CBS AST:

CBS Number:	2-000099
Region:	STATE
ICS Number:	2-700455
PBS Number:	Not reported
MOSF Number:	Not reported
Telephone:	(718) 652-2193
Facility Town:	NEW YORK CITY
Operator:	KEVIN MCELYNN
Emrgncy Contact:	JOSPEH HADDEN
Emrgncy Phone:	(718) 652-2193
Expiration Date:	07/10/2001
Owner Name:	NYC BUREAU OF WASTEWATER POLLUTION CONTROL
Owner Address:	96-05 HORACE HARDING EXPRESSWAY
Owner City,St,Zip:	CORONA, NY 11368
Owner Telephone:	(718) 595-5750
Owner type:	Local Government
Facility Type:	UTILITY
Mail Name:	NYC BUREAU OF WATER SUPPLY
Mail Contact Addr:	415 EAST 203 STREET
Mail Contact Addr2:	Not reported
Mail Contact Contact:	JOSEPH HADDEN
Mail Contact City,St,Zip:	BRONX, NY 10467
Mail Phone:	(718) 652-2193
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Owner Sub Type:	Not reported

Tank Id: 3

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Date Entered:	12/15/1999
Capacity (Gal):	4000
Chemical:	Sodium hypochlorite
Tank Closed:	Not reported
Tank Status:	In Service
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/99
Certified Date:	12/15/1999
CAS Number:	7681529
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND 10% OR MORE BELOW GROUND
Intrnl Protection:	None
Extrnl Protection:	None,None
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	None
Pipe External:	00
Pipe Containment:	None,None
Tank Containment:	None,Painted/Asphalt Coating
Leak Detection:	None,Jacketed
Overfill Protection:	Catch Basin,Sacrificial Anode
Haz Percent:	15
Total Tanks:	1
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6401
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	08/23/93
Is it There:	F
Deliquent:	F
Date Expired:	07/10/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	03/30/2001
Total Capacity of All Active Tanks(gal):	4000

NY MANIFEST:

EPA ID:	NYR000091801
Country:	USA
Mailing Name:	RICHMOND CHOLRINATION PLANT C/O NYC DEP
Mailing Contact:	WILLIAM YULINSKY
Mailing Address:	59 17 JUNCTION BLVD 3RD FLR
Mailing Address 2:	Not reported
Mailing City:	CORONA
Mailing State:	NY
Mailing Zip:	11368
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-595-5272

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-02
Trans1 Recv Date:	2011-12-02
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000091801
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	510.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004163486FLE
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:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-05-11
Trans1 Recv Date:	2011-05-11
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-05-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000091801
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	136.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Year:	2011
Manifest Tracking Num:	004552872FLE
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:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-05-11
Trans1 Recv Date:	2011-05-11
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-05-12
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000091801
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	42.0
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:	2011
Manifest Tracking Num:	004552872FLE
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

SPILLS:

Facility ID:	0806966
DER Facility ID:	353539
Facility Type:	ER
Site ID:	404275
DEC Region:	2
Spill Number:	0806966

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Spill Date:	9/20/2008
Spill Cause:	Equipment Failure
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
Spill Closed Date:	9/22/2008
SWIS:	4301
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	9/21/2008
CID:	Not reported
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:	9/21/2008
Spill Record Last Update:	9/22/2008
Spiller Name:	PERSIF LUKE
Spiller Company:	RICHMOND CLORINATION FACILITY
Spiller Address:	2 MURRAY HULBERT AVE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	999
Contact Name:	PERSIF LUKE
Contact Phone:	(917) 662-0768
DEC Memo:	Copy of this spill forwarded to DEC Water Group.
Remarks:	Enviromental Responder tested the Resivoir. Waste water plant was notified and it was discharged through the interceptor.

Material:

Site ID:	404275
Operable Unit ID:	1160942
Operable Unit:	01
Material ID:	2152130
Material Code:	2687A
Material Name:	Sodium hypochlorite
Case No.:	10022705
Material FA:	Hazardous Material
Quantity:	3000
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported

RICHMOND CHOLRINATION PLANT C/O NYC DEP (Continued) **S102641280**

Last Modified: Not reported
Test Method: Not reported

CBS:
CBS Number: 2-000099
Program Type: CBS
Dec Region: 2
Expiration Date: 2013/07/10
Facility Status: Active
UTMX: 578292.82989000
UTMY: 4498763.1024500

K68 SSE 1/8-1/4 0.194 mi. 1023 ft. **RICHMOND CHLORINATION MURRAY HULBERT ST STATEN ISLAND, NY 10304** **RCRA-CESQG FINDS NJ MANIFEST** **1004761927 NYR000091801**

Site 3 of 3 in cluster K

Relative: Lower

Actual: 4 ft.

RCRA-CESQG:
Date form received by agency: 01/01/2007
Facility name: RICHMOND CHLORINATION
Facility address: MURRAY HULBERT ST
STATEN ISLAND, NY 10304
EPA ID: NYR000091801
Mailing address: E 203 ST
BRONX, NY 10467
Contact: BRETT W ELK
Contact address: E 203 ST
BRONX, NY 10467
Contact country: US
Contact telephone: (718) 652-2298
Contact email: BRETTE@DEP.NYC.GOV
EPA Region: 02
Land type: Municipal
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: JUNCTION BLVD BWSO 3RD FL
FLUSHING, NY 11373
Owner/operator country: US
Owner/operator telephone: Not reported

RICHMOND CHLORINATION (Continued) **1004761927**

Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1979
Owner/Op end date: Not reported

Owner/operator name: NYCDEP BUREAU OF WATER & SEWER OPERS
Owner/operator address: 59-17 JUNCTION BLVD
CORONA, NY 11368
Owner/operator country: Not reported
Owner/operator telephone: (718) 595-5750
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: NYCDEP BUREAU OF WATER & SEWER OPERS
Owner/operator address: 59-17 JUNCTION BLVD
CORONA, NY 11368
Owner/operator country: US
Owner/operator telephone: (718) 595-5750
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
Facility name: RICHMOND CHLORINATION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/26/2004
Facility name: RICHMOND CHLORINATION
Classification: Large Quantity Generator

Date form received by agency: 04/03/2002
Facility name: RICHMOND CHLORINATION
Site name: NYCDEP - RICHMOND CHLORINATION
Classification: Large Quantity Generator

RICHMOND CHLORINATION (Continued) **1004761927**

Date form received by agency: 10/18/2000
Facility name: RICHMOND CHLORINATION
Site name: NYCDEP - RICHMOND CHLORINATION
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D009
Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 10/19/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004565872

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.

HAZARDOUS WASTE BIENNIAL REPORTER

RICHMOND CHLORINATION (Continued) **1004761927**

NJ MANIFEST:

Manifest Code:	NJA5316926
EPA ID:	NYR000091801
Date Shipped:	06/01/2006
TSDF EPA ID:	NJD991291105
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:	06/01/2006
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:	06/05/2006
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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:	07200625
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

RICHMOND CHLORINATION (Continued) **1004761927**

Manifest Code:	003634562JJK
EPA ID:	NYR000091801
Date Shipped:	11/01/2007
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:	11/01/2007
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:	11/01/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported

Manifest Code:	001034934JJK

RICHMOND CHLORINATION (Continued) **1004761927**

EPA ID:	NYR000091801
Date Shipped:	04/11/2007
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:	04/11/2007
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:	04/11/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	30
Unit:	G
Hand Code:	H14

Manifest Code:	001055821GBF
EPA ID:	NYR000091801

RICHMOND CHLORINATION (Continued) **1004761927**

Date Shipped:	03/09/2010
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:	03/09/2010
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:	03/09/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H141

Manifest Code:	003634807JJK
EPA ID:	NYR000091801
Date Shipped:	04/16/2008

RICHMOND CHLORINATION (Continued) **1004761927**

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:	04/16/2008
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:	04/16/2008
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
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
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	60
Unit:	G
Hand Code:	H141
Waste Code:	D002
Manifest Year:	2008 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H141

J69 NNW 1/8-1/4 0.196 mi. 1034 ft. | **CON EDISON MANHOLE 42**
RICHMOND TERR & WALL ST
STATEN ISLAND, NY 10301 | **RCRA-NonGen** | **1014926515**
NYP004242871

Site 2 of 11 in cluster J

Relative: Lower

Actual: 15 ft.

RCRA-NonGen:

Date form received by agency:	03/06/2012
Facility name:	CON EDISON MANHOLE 42
Site name:	CON EDISON - MANHOLE 42
Facility address:	RICHMOND TERR & WALL ST STATEN ISLAND, NY 10301
EPA ID:	NYP004242871
Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(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 COMPANY 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:	09/14/2011
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY 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:	Owner
Owner/Op start date:	09/14/2011
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

CON EDISON MANHOLE 42 (Continued) **1014926515**

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: 11/05/2011
Facility name: CON EDISON MANHOLE 42
Classification: Not a generator, verified

Date form received by agency: 10/06/2011
Facility name: CON EDISON MANHOLE 42
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

J70 NNW 1/8-1/4 0.196 mi. 1034 ft. | **CONSOLIDATED EDISON - MH 38** | **NY MANIFEST** | **S111157576**
RICHMOND TERRACE & WALL ST | **N/A**
STATEN ISLAND, NY 10301

Site 3 of 11 in cluster J

Relative: Lower

Actual: 15 ft.

NY MANIFEST:
EPA ID: NYP004242871
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: CONSOLIDATED EDISON
Mailing Address: 4 IRVING PLACE ROOM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-3770

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD039322250
Trans2 State ID: Not reported
Generator Ship Date: 2011-10-06
Trans1 Recv Date: 2011-10-06
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2011-10-06
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004242871
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 15460.0
Units: P - Pounds

CONSOLIDATED EDISON - MH 38 (Continued) **S111157576**

Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003949418FLE
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:	MAD039322250
Trans2 State ID:	MAD039322250
Generator Ship Date:	2011-01-23
Trans1 Recv Date:	2011-01-23
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004225140
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	50.0
Units:	P - 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:	003416132FLE
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

EPA ID:	NYP004225140
Country:	USA
Mailing Name:	CONSOLIDATED EDISON - MH 38

CONSOLIDATED EDISON - MH 38 (Continued) **S111157576**

Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	Not reported
Generator Ship Date:	2011-10-06
Trans1 Recv Date:	2011-10-06
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-10-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004242871
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	15460.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003949418FLE
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:	MAD039322250
Trans2 State ID:	MAD039322250
Generator Ship Date:	2011-01-23
Trans1 Recv Date:	2011-01-23
Trans2 Recv Date:	2011-01-28
TSD Site Recv Date:	2011-01-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

CONSOLIDATED EDISON - MH 38 (Continued) **S111157576**

Generator EPA ID:	NYP004225140
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	50.0
Units:	P - 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:	003416132FLE
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

J71 **120TH PRECINCT** **NY UST** **U004061702**
NNW **78 RICHMOND TERRACE** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.204 mi.
1077 ft. **Site 4 of 11 in cluster J**

Relative:
Lower

Actual:
15 ft.

UST:

Facility Id:	2-217212
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/10/15
UTM X:	578044.79461999994
UTM Y:	4499702.9848999996

Affiliation Records:

Site Id:	8208
Affiliation Type:	Owner
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 POLICE PLAZA - ROOM 800
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 610-7650
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR

120TH PRECINCT (Continued) **U004061702**

Date Last Modified:	9/17/2010

Site Id:	8208
Affiliation Type:	Mail Contact
Company Name:	BUILDING MAINTENANCE SECTION
Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	NYC POLICE DEPARTMENT
Address2:	59-06 BROOKLYN-QUEENS EXPWY
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-7576
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/22/2010

Site Id:	8208
Affiliation Type:	On-Site Operator
Company Name:	120TH PRECINCT
Contact Type:	Not reported
Contact Name:	NYPD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 876-8500
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/13/2009

Site Id:	8208
Affiliation Type:	Emergency Contact
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/13/2011

120TH PRECINCT (Continued) **U004061702**

Equipment Records:

B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
L08 - Piping Leak Detection - Tank Top Sump
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I03 - Overfill - Automatic Shut-Off
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
I03 - Overfill - Automatic Shut-Off
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
E04 - Piping Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
I00 - Overfill - None
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None

120TH PRECINCT (Continued) **U004061702**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H00 - Tank Leak Detection - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
E00 - Piping Secondary Containment - None
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:
Site ID: 8208

120TH PRECINCT (Continued) **U004061702**

Tank Number:	001
Tank ID:	22479
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/01/1953
Capacity Gallons:	550
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8208
Tank Number:	002
Tank ID:	22480
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/01/1953
Capacity Gallons:	550
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/1993
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8208
Tank Number:	003
Tank ID:	22481
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	06/01/1984
Capacity Gallons:	4000
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	07/30/2009
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/1993
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/13/2009
Site ID:	8208

120TH PRECINCT (Continued) **U004061702**

Tank Number:	005
Tank ID:	65832
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/01/2003
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	09/17/2010
Site ID:	8208
Tank Number:	006
Tank ID:	65833
Tank Status:	Closed - In Place
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	05/01/2003
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8208
Tank Number:	007
Tank ID:	231105
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	09/29/2009
Capacity Gallons:	4000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/13/2009

J72 NNW 1/8-1/4 0.204 mi. 1077 ft. | **78 RICHMOND TERRACE**
78 RICHMOND TERRACE
STATEN ISLAND, NY

Site 5 of 11 in cluster J

NY HIST LTANKS | **S102148835**
NY Hist Spills | **N/A**

Relative: Lower

Actual: 15 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9211419
Spill Date:	01/05/1993
Spill Time:	11:50
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	01/06/93
Cleanup Ceased:	01/06/93
Cleanup Meets Standard:	True
Investigator:	CAMMISA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/05/93
Reported to Department Time:	12:28
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	I.T.C. EMPLOYEE
Spiller Address:	5700 47TH ST
Spiller City,St,Zip:	MASPETH N Y
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(113) 78 -
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/07/93
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	/ /
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported

78 RICHMOND TERRACE (Continued) **S102148835**

Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: CONTAIMED ON PAVEMENT OF DRIVEWAY-N.Y.C SANITATION SCANDAL -

NY Hist Spills:
Region of Spill: 2
Spill Number: 9409082
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 10/07/1994 09:30
Reported to Dept Date/Time: 10/07/94 10:40
SWIS: 64
Spiller Name: NYCPD
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 02
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /

78 RICHMOND TERRACE (Continued) **S102148835**

Date Spill Entered In Computer Data File: 11/02/94
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/14/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: DIESEL?.
Remark: DISCOVERED IN EXCAVATION OF U/G TANK-HOLE FOUND IN REMOTE FILL LINE. STOCK PILING SOIL.

J73 **120 PCT** **NY HIST UST** **U000405369**
NNW **78 RICHMOND TERRACE** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.204 mi.
1077 ft. **Site 6 of 11 in cluster J**

Relative:
Lower

Actual:
15 ft.

HIST UST:
PBS Number: 2-217212
SPDES Number: Not reported
Emergency Contact: FUEL CONTROL UNIT
Emergency Telephone: (718) 476-7524
Operator: N.Y.C.P.D.
Operator Telephone: (718) 390-8120
Owner Name: N.Y.C.P.D.
Owner Address: 1 POLICE PLAZA RM. 800
Owner City,St,Zip: NEW YORK, NY 10038
Owner Telephone: (212) 374-7650
Owner Type: Local Government
Owner Subtype: The City of New York
Mailing Name: NYC PD
Mailing Address: BUILDING MAINTENANCE SECTION
Mailing Address 2: 59-06 LAUREL HILL BLVD. (BQE)
Mailing City,St,Zip: WOODSIDE, NY 11377
Mailing Contact: COMMANDING OFFICER
Mailing Telephone: (718) 476-7576
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.

120 PCT (Continued) **U000405369**

Facility Addr2:	78 RICHMOND TERRACE
SWIS ID:	6401
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:	04/06/1999
Expiration Date:	10/15/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	9000
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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19530501
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	04/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19530501
Capacity (gals):	550

120 PCT (Continued) **U000405369**

Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	04/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19840601
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	None
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	Diking
Leak Detection:	In-tank System
Overfill Prot:	Catch Basin
Dispenser:	Suction
Date Tested:	04/01/1993
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19500401
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None

120 PCT (Continued) **U000405369**

Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
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

J74 **NYCPD 120TH PRECINT** **NY LTANKS** **S103275005**
NNW **78 RICHMOND TERRACE** **NY Spills** **N/A**
1/8-1/4 **STATEN ISLAND, NY** **NY Hist Spills**
0.204 mi.
1077 ft. **Site 7 of 11 in cluster J**

Relative:
Lower

Actual:
15 ft.

LTANKS:

Site ID:	308927
Spill No:	9211419
Spill Date:	1/5/1993
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt:	1/6/1993
Facility Addr2:	Not reported
Cleanup Ceased:	1/6/1993
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	1/5/1993
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:	1/7/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	I.T.C. EMPLOYEE
Spiller Address:	5700 47TH ST
Spiller City,St,Zip:	MASPETH, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2

NYCPD 120TH PRECINT (Continued) **S103275005**

DER Facility ID: 249489
DEC Memo: Not reported
Remarks: CONTAIMED ON PAVEMENT OF DRIVEWAY-N.Y.C SANITATION SCANDAL -

Material:
Site ID: 308927
Operable Unit ID: 978375
Operable Unit: 01
Material ID: 404823
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Not reported
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

SPILLS:
Facility ID: 0904952
DER Facility ID: 249489
Facility Type: ER
Site ID: 417177
DEC Region: 2
Spill Number: 0904952
Spill Date: 7/29/2009
Spill Cause: Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: Not Closed
SWIS: 4301
Investigator: RVKETANI
Referred To: Not reported
Reported to Dept: 7/29/2009
CID: Not reported
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

NYCPD 120TH PRECINT (Continued) **S103275005**

UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	7/29/2009
Spill Record Last Update:	6/11/2012
Spiller Name:	LT POLANKO
Spiller Company:	NYPD 120TH PCT
Spiller Address:	78 RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	999
Contact Name:	MARTIN WESOLOWSKI
Contact Phone:	(718) 321-3136 242
DEC Memo:	8/5/2009 Sangesland spoke to Martin at Liro Engineering.He said the tank was pulled and the "bad soil" was removed yesterday & today.They'll take end point samples today and send in for lab testing.A complete report will be sent to DEC within 2-3 weeks.9/22/09 - Raphael Ketani. The site is the 120th Precinct at 78 Richmond Terrace, Staten Island. The spill was called in on 7/29/09 and consisted of pulling a 4,000 gal. gas tank. Contaminated soil was found and the soil was supposedly removed.The PBS registration is #2-217212. Eight tanks are listed. Five tanks were closed between 5/1/03 and 6/6/03. These were two 275 gal. tanks and three 550 gal. tanks. The 4,000 gal. tank is #003 and is still listed as active. Otherwise, there are two active tanks left, a 5,000 gal. (#004) and a 550 gal. (#005), both with #2 oil. I hadn't heard anything from the consultant, Martin Wesolowski of LIRO Engineers (718) 321-3136, ext 242/(347) 672-5434. So I tried to contact him, but could only leave a message that the DEC had not received the remediation report, and that the 4,000 gal. tank is still listed as active and that this is a violation. 9/23/09 - Raphael Ketani. Mr. Wesolowski called me today. He said that he is presently working on the closure report and it will go out sometime this week. He also stated that the revised PBS registration was given to the police department and that they will sign it.9/28/09 - Raphael Ketani. Today I received the Underground Storage Tank Closure Report dated September 25, 2009 from LiRo Engineers Inc. I began my review. There was free product in the concrete vault despite the 4,000 gal. tank appearing to be in good condition. The tank was cleaned out and was disposed of, along with the associated piping, as scrap metal. Contaminated soil was removed. End points were taken along the trace of the length of the tank and from the sidewalls. Some contaminants were found to exceed TAGM at BS-1 and Bottom #1. The excavation went to 14.5 feet below grade, which was the maximum safe depth for the type of shoring that was being used. Groundwater is at 20 feet below grade. The LiRo consultants recommend doing more soil excavation and taking a groundwater sample. I concur with the recommendation.10/1/09 - Raphael Ketani. I drafted a review letter for the approval of Randall Austin, Chief of the Spills Unit. The letter recommended further soil investigation and the taking of a groundwater sample. Mr. Austin approved the letter and it was sent out today.11/5/09 - Raphael Ketani. I tried to contact Mr. Wesolowski of LIRO Engineers (718) 321-3136, ext 242/(347) 672-5434, but could only leave a voice mail.11/6/09 - Raphael Ketani. Mr. Wesolowski returned my call and said that he had sent all of the paper work to the NYC DDC and that he is waiting for word that he can proceed with the soil investigation.11/13/09 - Raphael Ketani. Mr. Wesolowski sent me a FAXed letter dated 11/13/09 stating that LiRo is providing an update regarding the case. The letter stated that the NYCDDC is in the

NYCPD 120TH PRECINT (Continued) **S103275005**

process of awarding LiRo a new remediation contract. The site will be included in the contract. After the contract is awarded, LiRo will conduct the investigation.12/23/09 - Raphael Ketani. I tried to contact Mr. Wesolowski (718) 321-3136, ext 242/(347) 672-5434, but could only leave a message requesting an update regarding the case.12/28/09 - Raphael Ketani. Mr. Wesolowski called me back. He said that LiRo is still waiting for the contract to be awarded.1/25/10 - Raphael Ketani. I called Mr. Wesolowski. He said that the contract was registered today. So LiRo has a contract with the DDC. A meeting regarding the site will take place next week. Then the work will start again.2/10/10 - Raphael Ketani. I spoke to Mr. Wesolowski (718) 321-3136, ext 242/(347) 672-5434. He said that they are now getting all of their contractors and the laboratory coordinated for the project. Mr. Wesolowski expects to start the work sometime in March 2010.4/1/10 - Raphael Ketani. I tried to contact Mr. Wesolowski, but could only leave a message.4/2/10 - Raphael Ketani. I tried to contact Mr. Wesolowski, but could only leave a message.4/5/10 - Raphael Ketani. I spoke to Mr. Wesolowsi. He said that LIRO is developing the work plan and that it will besent to DEC next week. The contractors are going to submit their bids to the City and go through the VENDEX approval process. This takes some time. So he estimates that work will not start until about 6 weeks from now.5/10/10 - Raphael Ketani. Mr. Wesolowski called to state that the DEC should receive the work plan soon.5/11/10 - Raphael Ketani. I received the May 2010 Site Specific Investigation Plan and began my review. I finished my review of the SSIP. The only comments I had were that all samples should be tested via methods 8260B and 8270C and compared to TAGM 4046 standards. Also, the 8/6/09 soil sample results indicate that the contamination almost entirely meets the TAGM soil standards. I sent an e-mail to Mr. Wesolowski with my comments.6/11/10 - Raphael Ketani. Mr. Wesolowski sent me an e-mail stating that the drilling will resume on June 17.7/15/10 - Raphael Ketani. I spoke to Mr. Wesolowski (718) 321-3136, ext 242/(347) 672-5434. He said that the drilling has been completed. An investigation report was generated. Mr. Wesolowski will get me a copy of the report. I asked him whether anyone had ever noticed any soil contamination from the tanks that had been closed in place. He said that contamination has never been seen from these tanks. Mr. Wesolowski called me back. He said that the drilling definitely was completed and the wells were developed. Samples will be collected soon. A report will be submitted to DEC at the end of August or in September. He said that he is involved in tank work only. So this part of the project is being handled by Steve Frank (ext 236) of LiRo Engineers, Inc. Mr. Wesolowski transfered me to Mr. Frank.I spoke to Mr. Frank. He said that they are following a protocol for the safe developement and proper sampling of the groundwater wells. He said that he will handle the project from this point onward.12/6/10 - Raphael Ketani. I tried to contact Mr. Frank (718) 321-3136, ext 236 of LiRo Engineers, but could only leave a message.Mr. Frank called me back. He said that the report was completed. It is currently being reviewed. If the report is found to be acceptable, then the DEC will have it by the end of this week.12/10/10 - Raphael Ketani. Mr. Frank sent me the 12/7/10 Investigation Summary and Supplemental Investigation Remediation Plan. 12/14/10 - Raphael Ketani. I finished my review of the ISSIRP. Only the samples from LMW-1 (11.5’ to 12.5’) and from LMW-2 (13.5’ to 14.5’) showed high analyte concentrations. The analytes concentrations were roughly three and two times the TAGM

NYCPD 120TH PRECINT (Continued) **S103275005**

limits, respectively. The analytes of concern were 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes. In the report (plan), LiRo recommended performing six more soil borings (LSB-04 to LSB-09) near LMW-1 and LMW-2 in order to delineate the extent of the contamination. They also suggest two additional rounds of groundwater monitoring. I agreed with the proposal and sent Mr. Frank an e-mail to this effect. I also stated in the e-mail that the DEC was requesting that a boring be performed to the southwest (below on the diagram) of LMW-1. I added that the proposed borings seem a little far from the contamination hot-spots (LMW-1 and LMW-2) - 10 feet or more. I suggested placing the borings about 5 or 6 feet from the hot-spots. Lastly, I asked whether the contamination can be dug out at these hot-spots. If not (for whatever reason), then soil treatment and groundwater monitoring will need to take place.12/15/10 - Raphael Ketani. Today, I received the hard copy version of the 12/7/10 Investigation Summary and Supplemental Investigation Remediation Plan. The date on the hard copy is 12/13/10 and it included Table 5, the groundwater results.3/14/11 - Raphael Ketani. I tried to contact Mr. Frank (718) 321-3136, ext 236 of LiRo Engineers, but could only leave a message.Mr. Frank called me back and left a message. He said that the additional drilling will take place on March 23. A report will be submitted to the DEC about 20 days after getting the analytical results back from this part of the investigation and remediation work.3/23/11 - Raphael Ketani. Mr. Frank sent me an e-mail stating that the work will start place on March 28.6/7/11 - Raphael Ketani. I spoke to Mr. Frank (718) 321-3136, ext 236 regarding the submission of the report for the additional work and sampling. He said that the DEC will receive the report in about 3 weeks. He said that he saw that a draft report was in progress. 7/8/11 - Raphael Ketani. Mr. Frank sent me the following e-mail along with Drawing 3 dated 6/21/11:I attached a summary of the soil sample results from the additional borings that we did, and as you can see, the VOC levels were quite high. Based on these results, the soil contamination is too deep and too wide-spread to remove by excavation. Our report has been delayed because we are incorporating additional delineation borings and an SVE pilot test plan into the report. It will be ready to send to you next week.Drawing 3 showed very high TVOC concentrations at borings LSB 5 to 8 and 10 which were taken from 3/29/11 to 3/31/11. The TVOC concentrations were in the hundreds of thousands of parts per billion within the interval from 8 to 16 feet down. The highest concentration was 716,800 ppb. TSVOC concentrations were not significant. I wrote back that LiRo should possibly try in situ soil treatment solution injections.7/19/11 - Raphael Ketani. Mr. Frank sent me the LiRo Engineering 7/12/11 Supplemental Investigation Letter Report. As in the 7/8/11 e-mail from Mr. Frank, LSB 5 to 8 and 10 had TVOC results in the hundreds of thousands of parts per billion at the 8 to 16 feet level. TSVOC results were not significant. Groundwater was at about 24 feet below grade (according to the boring logs) and there was no contamination. In the report, LiRo proposes doing more well installations and contingency boring installations to better define the contamination. A VOC vapor extraction pilot test is also proposed. A round of groundwater sampling will take place.7/20/11 - Raphael Ketani. I spoke to Mr. Frank (718) 321-3136, ext 236 and told him that the DEC was accepting the SILR. However, we had a lot of questions about the proposed SVE pilot test. I asked him where the screened interval would be. He said that the screens would be above the water table and

NYCPD 120TH PRECINT (Continued) **S103275005**

would span the dry sand. I also asked whether the hydraulic conductivity of the sand was low, or medium, or high. I told him I was asking this because the recovery in the split spoons for some of the sampling intervals was high. Mr. Frank said that he didn't remember the recovery being so high in some places. I also commented that LSB-17 and LSB-19 were by themselves and that this well may not be enough to efficiently collect the vapors. He said that the radius of influence was supposed to be 25 feet. I suggested that maybe air sparging would be a better idea. Mr. Frank said that he will go back to the design engineer and see whether changes need to be made. I asked Mr. Frank to send DEC an addendum to the SILR concerning just the SVE pilot test proposal. He said that he will.7/26/11 - Raphael Ketani. Mr. Frank sent me the 7/25/11 Modification to Soil Vapor Extraction Pilot Test by e-mail. I reviewed the work plan. Borings LSB-12, 13, 16 to 19 will be converted to wells and used for the testing. Individual pilot tests will be conducted at LSB-12, 14, and 17. A vacuum truck will be used to apply vacuum to each well in turn. The vacuum will be increased at timed intervals until the amount of vapor flow diminishes. I found the plan to be acceptable and I responded by e-mail that they should commence with the work.9/15/11 - Raphael Ketani. I tried to contact Mr. Frank (718) 321-3136, ext 236 (Steve) regarding progress at the site, but I could only leave a voice message.9/23/11 - Raphael Ketani. Mr. Frank left me a voice message. He said that LIRO was presently receiving the soil analyticals. The amount of contamination turned out to be much more than was previously estimated.10/19/11 - Raphael Ketani. I tried to contact Mr. Frank (718) 321-3136, ext 236 (Steve) regarding whether additional work was taking place at the site. However, I could only leave a voice message.10/25/11 - Raphael Ketani. I tried to contact Mr. Frank, but I could only leave a voice message. 10/28/11 - Raphael Ketani. Mr. Frank sent me an e-mail with the September 2011 soil sampling data and a map showing the locations of the borings and the results to date. In his e-mail he stated the following:I have attached the soil results from the borings we completed in September at 120th Precinct. We put in the wells that we need to conduct the SVE pilot test and we are getting a subcontractor on board to facilitate that work. We anticipate that the testing will be completed this fall/winter and we will submit the soil test results and a Remedial Action Plan after the testing is completed. I will let you know when we have a firm schedule for the pilot test work.The soil samples were taken during 9/6/11 and 9/7/11. A very contaminated horizon was discovered between 11 feet to 13 feet below grade, with the exception of the sample at location LSB-22 at 13 to 15 feet down. The other sampling locations were LSB-11, 13 to 17 and 20. There were virtually no SVOC hits. The exceedences were in the tens to hundreds of thousands of parts per billion for individual VOC analytes.

Remarks: REMOVAL OF A 4000 GALLON UST CONTAMINATED SOIL FOUND CLEAN UP PENDING.
Not reported

Material:

Site ID:	417177
Operable Unit ID:	1173419
Operable Unit:	01
Material ID:	2165345
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum

NYCPD 120TH PRECINT (Continued) **S103275005**

Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	9803022
DER Facility ID:	249489
Facility Type:	ER
Site ID:	308929
DEC Region:	2
Spill Number:	9803022
Spill Date:	6/5/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	3/3/2003
SWIS:	4301
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	6/8/1998
CID:	369
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:	6/8/1998
Spill Record Last Update:	12/22/2004
Spiller Name:	SGT ZAPATA
Spiller Company:	NYPD 120TH PRECINCT
Spiller Address:	78 RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND, ZZ
Spiller Company:	001
Contact Name:	SGT ZAPATA
Contact Phone:	(718) 476-7571
DEC Memo:	Not reported
Remarks:	problem in fill line causing buildup of product in basement of precinct.

NYCPD 120TH PRECINT (Continued) **S103275005**

Material:

Site ID:	308929
Operable Unit ID:	1060855
Operable Unit:	01
Material ID:	321346
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	9803022
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/05/1998 12:00
Reported to Dept Date/Time:	06/08/98 12:22
SWIS:	64
Spiller Name:	NYPD 120TH PRECINCT
Spiller Contact:	SGT ZAPATA
Spiller Phone:	(718) 476-7571
Spiller Contact:	SGT ZAPATA
Spiller Phone:	(718) 476-7571
Spiller Address:	78 RICHMOND TERRACE
Spiller City,St,Zip:	STATEN ISLAND
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Other

NYCPD 120TH PRECINT (Continued) **S103275005**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/08/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/09/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: problem in fill line causing buildup of product in basement of precinct.

J75 **120TH PRECINCT** **NY AST** **A100291350**
NNW **78 RICHMOND TERRACE** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.204 mi.
1077 ft. **Site 8 of 11 in cluster J**

Relative:
Lower

Actual:
15 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-217212
Program Type: PBS
UTM X: 578044.79461999994
UTM Y: 4499702.9848999996
Expiration Date: 2012/10/15

Affiliation Records:

120TH PRECINCT (Continued) **A100291350**

Site Id:	8208
Affiliation Type:	Owner
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 POLICE PLAZA - ROOM 800
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 610-7650
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/17/2010

Site Id:	8208
Affiliation Type:	Mail Contact
Company Name:	BUILDING MAINTENANCE SECTION
Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	NYC POLICE DEPARTMENT
Address2:	59-06 BROOKLYN-QUEENS EXPWY
City:	WOODSIDE
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-7576
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/22/2010

Site Id:	8208
Affiliation Type:	On-Site Operator
Company Name:	120TH PRECINCT
Contact Type:	Not reported
Contact Name:	NYPD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 876-8500
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/13/2009

Site Id:	8208
Affiliation Type:	Emergency Contact
Company Name:	NYC POLICE DEPARTMENT

120TH PRECINCT (Continued) **A100291350**

Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/13/2011

Equipment Records:

B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
L08 - Piping Leak Detection - Tank Top Sump
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
I03 - Overfill - Automatic Shut-Off
H00 - Tank Leak Detection - None
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
I03 - Overfill - Automatic Shut-Off
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
I00 - Overfill - None
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
E04 - Piping Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None

120TH PRECINCT (Continued) **A100291350**

K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
I00 - Overfill - None
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
H05 - Tank Leak Detection - In-Tank System (ATG)
I00 - Overfill - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
H00 - Tank Leak Detection - None

120TH PRECINCT (Continued) **A100291350**

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
E00 - Piping Secondary Containment - None
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	004
Tank Id:	22482
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	04/01/1950
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:	09/17/2010

Tank Number:	008
Tank Id:	242410
Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	10/15/2011
Capacity Gallons:	25
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:	01/10/2012

Tank Number:	05
Tank Id:	66049
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported

120TH PRECINCT (Continued) **A100291350**

Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/06/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	06
Tank Id:	66050
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	06/06/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

I76 **273 ST MARS PL** **NY AST** **U003386491**
WNW **273 SAINT MARKS PL** **NY HIST AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.206 mi.
1087 ft. **Site 5 of 5 in cluster I**

Relative:
Higher

Actual:
109 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-096377
Program Type:	PBS
UTM X:	577866.89317000005
UTM Y:	4499546.6790100001
Expiration Date:	2012/11/17

Affiliation Records:

Site Id:	2726
Affiliation Type:	Mail Contact
Company Name:	ST MARKS REALTY ASSOC LLC
Contact Type:	MGR
Contact Name:	THOMAS STEINEIL
Address1:	PO BOX 957
Address2:	Not reported
City:	TALLMAN
State:	NY
Zip Code:	10982
Country Code:	001
Phone:	(845) 356-2729
Phone Ext:	Not reported

273 ST MARS PL (Continued) **U003386491**

Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/30/2009

Site Id:	2726
Affiliation Type:	On-Site Operator
Company Name:	273 ST MARKS PL
Contact Type:	Not reported
Contact Name:	SHAWN GUGILLERMO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(570) 972-4470
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/30/2009

Site Id:	2726
Affiliation Type:	Emergency Contact
Company Name:	ST MARKS REALTY ASSOC LLC
Contact Type:	Not reported
Contact Name:	SHAWN GUGILLERMO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(570) 972-4470
Phone Ext:	THOMAS
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/30/2009

Site Id:	2726
Affiliation Type:	Owner
Company Name:	ST MARKS REALTY ASSOC LLC
Contact Type:	MGR
Contact Name:	THOMAS STEINEIL
Address1:	PO BOX 957
Address2:	Not reported
City:	TALLMAN
State:	NY
Zip Code:	10982
Country Code:	001
Phone:	(845) 356-2729
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS

273 ST MARS PL (Continued) **U003386491**

Date Last Modified: 3/30/2009

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)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	001
Tank Id:	10077
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	01/01/1988
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:	03/30/2009

HIST AST:

PBS Number:	2-096377
SWIS Code:	6401
Operator:	MENSUR SHATKU
Facility Phone:	(718) 816-8620
Facility Addr2:	273 SAINT MARKS PL
Facility Type:	APARTMENT BUILDING
Emergency:	MENSUR SHATKU
Emergency Tel:	(718) 816-8620
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MENSUR SHATKU
Owner Address:	273 ST MARS PL
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Federal ID:	Not reported
Owner Tel:	(718) 816-8620
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MENSUR SHATKU
Mailing Address:	273 ST MARS PL
Mailing Address 2:	Not reported

273 ST MARS PL (Continued) **U003386491**

Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 816-8620
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:	08/26/1997
Expiration:	07/07/2002
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:	64
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:	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

J77 NNW 1/8-1/4 0.207 mi. 1092 ft. | **CON EDISION - MH83**
TOMPKINS COURT - SIRT TOMPKINS
NEW YORK, NY 10003

Site 9 of 11 in cluster J

RCRA-NonGen **1007208295**
NY MANIFEST **NYP004085932**

Relative: Lower

Actual: 10 ft.

RCRA-NonGen:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - MH83
Facility address:	TOMPKINS COURT - SIRT TOMPKINS NEW YORK, NY 10003
EPA ID:	NYP004085932
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

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
Facility name:	CON EDISION - MH83
Classification:	Not a generator, verified
Date form received by agency:	05/31/2002
Facility name:	CON EDISION - MH83
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004085932
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported

CON EDISION - MH83 (Continued) **1007208295**

Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NJA3284127
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/16/2001
Trans1 Recv Date:	07/16/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/16/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004085932
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	S5811
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	01572
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:	2001

L78 **NYC BD OF ED - PUBLIC SCHOOL 16 RICHMOND** **RCRA-NonGen** **1004759590**
WSW **80 MONROE ST** **NYR000014688**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.209 mi.
1101 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
71 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYC BD OF ED - PUBLIC SCHOOL 16 RICHMOND
Facility address:	80 MONROE ST STATEN ISLAND, NY 10301
EPA ID:	NYR000014688
Mailing address:	MONROE ST STATEN ISLAND, NY 10301
Contact:	ROBERT GUASTA
Contact address:	MONROE ST STATEN ISLAND, NY 10301
Contact country:	US
Contact telephone:	(718) 349-5590
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

NYC BD OF ED - PUBLIC SCHOOL 16 RICHMOND (Continued) **1004759590**

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: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NYC BOARD OF EDUCATION
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

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYC BD OF ED - PUBLIC SCHOOL 16 RICHMOND
Classification: Not a generator, verified

Date form received by agency: 10/11/1995
Facility name: NYC BD OF ED - PUBLIC SCHOOL 16 RICHMOND
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

L79 **NYC BOARD OF EDUCATION PS 16 RICHMOND** **NY AST** **U001840892**
WSW **80 MONROE STREET** **NY HIST AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301** **NY MANIFEST**
0.209 mi.
1101 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
71 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Administratively Closed
Facility Id: 2-351318

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Program Type:	PBS
UTM X:	577854.68070000003
UTM Y:	4499168.8968700003
Expiration Date:	N/A

Affiliation Records:

Site Id:	17340
Affiliation Type:	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) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/4/2012

Site Id:	17340
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	JAMES A. MERLO
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	JMERLO@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	9/2/2008

Site Id:	17340
Affiliation Type:	On-Site Operator
Company Name:	JOHN J. DRISCOLL P.S. 16
Contact Type:	Not reported
Contact Name:	PLANT OPERATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Date Last Modified:	3/4/2004

Site Id:	17340
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT 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
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	GDBREEN
Date Last Modified:	12/6/2012

Equipment Records:

H00 - Tank Leak Detection - 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
J02 - Dispenser - Suction
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Info:

Tank Number:	001
Tank Id:	33987
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/1995
Register:	True
Modified By:	TRANSLAT

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Last Modified:	03/04/2004

Tank Number:	002
Tank Id:	33988
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/1995
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	1
Tank Id:	38509
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/21/1964
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:	05/03/2010

Tank Number:	2
Tank Id:	38510
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/21/1964
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:	05/03/2010

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Affiliation Records:

Site Id:	21263
Affiliation Type:	Owner
Company Name:	NEW YORK CITY DEP. OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	RAYMOND CORREA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	3/23/2010

Site Id:	21263
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEP. OF EDUCATION
Contact Type:	Not reported
Contact Name:	RAYMOND CORREA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	RCORREA5@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	3/23/2010

Site Id:	21263
Affiliation Type:	On-Site Operator
Company Name:	PUBLIC SCHOOL 16 - STATEN ISLAND (R016)
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
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/17/2004

Site Id:	21263
Affiliation Type:	Emergency Contact

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Company Name:	BOARD 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:	001
Phone:	(718) 935-3300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

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
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
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
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank 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 Info:

Tank Number:	001
Tank Id:	33987
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/1995

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	002
Tank Id:	33988
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/1995
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Tank Number:	1
Tank Id:	38509
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/21/1964
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:	05/03/2010

Tank Number:	2
Tank Id:	38510
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/21/1964
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:	05/03/2010

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

HIST AST:

PBS Number:	2-351318
SWIS Code:	6401
Operator:	PLANT OPERATION
Facility Phone:	(718) 720-0276
Facility Addr2:	80 MONROE AVE
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) 706-3483
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	LOUIS SOMMO - CONTRACT CONTROL
Mailing Name:	BOARD OF EDUCATION
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	9 FLOOR
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 706-3483
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:	06/29/1993
Expiration:	06/28/1998
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
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:	64
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Undefined
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

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

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:	04/01/1995
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:	Undefined
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:	04/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYR000014688
Country:	USA
Mailing Name:	NYC BOARD OF EDUCATION PS 16 RICHMOND
Mailing Contact:	ROBERT GUASTA
Mailing Address:	80 MONROE STREET
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA

NYC BOARD OF EDUCATION PS 16 RICHMOND (Continued) **U001840892**

Mailing Phone: 718-349-5590

NY MANIFEST:
No Manifest Records Available

80
NW
1/8-1/4
0.211 mi.
1114 ft.

50 WALL STREET
50 WALL STREET
STATEN ISLAND, NY 10301

NY LTANKS **U003764826**
NY UST **N/A**
NY HIST UST
NY Spills

Relative:
Higher

Actual:
82 ft.

LTANKS:

Site ID:	193938
Spill No:	0208648
Spill Date:	11/20/2002
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.
Spill Closed Dt:	3/16/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	11/20/2002
CID:	405
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:	11/20/2002
Spill Record Last Update:	3/16/2006
Spiller Name:	JOHN DOLAN
Spiller Company:	Not reported
Spiller Address:	50 WALL ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	JOHN DOLAN
Spiller Phone:	(718) 981-8523
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	221143
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"11/21/2002: TTF LETTER SENT.1/7/04-Vought-Spill transferred from Vought to Austin.01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.12/5/5- DEC Piper spoke w/ John Dolan. As per our conversation Capitol Tank Cleaning performed isolated test of tank system. Tank passed lines failed. Lines were replaced as per John. He will be sending receipts once he finds them. 2/10/06- DEC Piper left message for John requesting callback and info.3/15/06- DEC Piper left message for John requesting callback and info.3/16/06- DEC Piper spoke w/ John. Piper recieved info regarging repairs. Passing test thereafter. Replaced vent stick, feed and return. closed.

50 WALL STREET (Continued) **U003764826**

Remarks: UNCOVER INSPECT AND RETEST

Material:

Site ID:	193938
Operable Unit ID:	860078
Operable Unit:	01
Material ID:	515644
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

UST:

Facility Id:	2-605123
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2016/02/05
UTM X:	577912.30562999996
UTM Y:	4499598.8163700001

Affiliation Records:

Site Id:	26992
Affiliation Type:	Owner
Company Name:	JOHN DOLAN MM GREY GOURT APTS. LLC
Contact Type:	MANAGING MEMBER
Contact Name:	JOHN DOLAN
Address1:	24 LEGION PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10305
Country Code:	001
Phone:	(718) 981-8521
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

50 WALL STREET (Continued) **U003764826**

Modified By:	KXTANG
Date Last Modified:	7/5/2006

Site Id:	26992
Affiliation Type:	Mail Contact
Company Name:	JOHN DOLAN MM
Contact Type:	Not reported
Contact Name:	GREY COURT APTS. LLC
Address1:	24 LEGION PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10305
Country Code:	001
Phone:	(718) 981-8521
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	7/5/2006

Site Id:	26992
Affiliation Type:	On-Site Operator
Company Name:	50 WALL STREET
Contact Type:	Not reported
Contact Name:	JOHN DOLAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 448-9033
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26992
Affiliation Type:	Emergency Contact
Company Name:	JOHN DOLAN
Contact Type:	Not reported
Contact Name:	JOHN DOLAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 981-8521
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

50 WALL STREET (Continued) **U003764826**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground

Tank Info:

Site ID:	26992
Tank Number:	001
Tank ID:	59466
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	21
Next Test Date:	04/03/2013
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/03/2008
Register:	True
Modified By:	bkfalvey
Last Modified:	06/02/2008

HIST UST:

PBS Number:	2-605123
SPDES Number:	Not reported
Emergency Contact:	JOHN DOLAN
Emergency Telephone:	(718) 981-8521
Operator:	JOHN DOLAN
Operator Telephone:	(718) 448-9033
Owner Name:	JOHN DOLAN
Owner Address:	24 LEGION PLACE
Owner City,St,Zip:	STATEN ISLAND, NY 10305
Owner Telephone:	(718) 981-8521
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	JOHN DOLAN
Mailing Address:	24 LEGION PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10305
Mailing Contact:	Not reported
Mailing Telephone:	(718) 981-8521
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:	6401

50 WALL STREET (Continued) **U003764826**

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:	02/09/2001
Expiration Date:	02/05/2006
Renew Flag:	False
Renewal 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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/27/1987
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

SPILLS:

Facility ID:	9311289
DER Facility ID:	221143
Facility Type:	ER
Site ID:	271728
DEC Region:	2
Spill Number:	9311289
Spill Date:	12/17/1993

50 WALL STREET (Continued) **U003764826**

Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	12/17/1993
SWIS:	4301
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	12/17/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	12/17/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/20/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	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 "TANG"
Remarks:	OIL LINE TO BURNER LEAKED, SPILL ON FLOOR TO CONCRETE PIT. CLEANED UP WITH SPEEDIE DRY, NO CALL BACK NEEDED.

Material:

Site ID:	271728
Operable Unit ID:	993168
Operable Unit:	01
Material ID:	390329
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported

50 WALL STREET (Continued) **U003764826**

Test Method: Not reported

M81 **NYCP&R LYONS POOL** **NY MANIFEST** **S110047195**
South **VICTORY BLVD & BAY STREET** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10314**
0.219 mi.
1157 ft. **Site 1 of 6 in cluster M**

Relative:
Lower

Actual:
31 ft.

NY MANIFEST:

EPA ID:	NYR000165217
Country:	USA
Mailing Name:	NYCP&R LYONS POOL
Mailing Contact:	NYCP&R LYONS POOL
Mailing Address:	24 W 61ST ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10023
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-830-7978

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000050617
Trans2 State ID:	NJR000073536
Generator Ship Date:	2009-06-08
Trans1 Recv Date:	2009-06-08
Trans2 Recv Date:	2009-09-15
TSD Site Recv Date:	2009-09-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4500.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	006007050JJK
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

NYCP&R LYONS POOL (Continued) **S110047195**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000050617
Trans2 State ID:	NJR000073536
Generator Ship Date:	2009-06-08
Trans1 Recv Date:	2009-06-08
Trans2 Recv Date:	2009-09-15
TSD Site Recv Date:	2009-09-15
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4500.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	006007050JJK
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-08-14
Trans1 Recv Date:	2012-08-14
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-08-14
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1.0
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	1.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

NYCP&R LYONS POOL (Continued) **S110047195**

Year:	2012
Manifest Tracking Num:	001058031GBF
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-06-22
Trans1 Recv Date:	2012-06-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009205472JJK
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-06-22
Trans1 Recv Date:	2012-06-22

NYCP&R LYONS POOL (Continued) **S110047195**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009205472JJK
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:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-06-22
Trans1 Recv Date:	2012-06-22
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-22
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000165217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CW - Wooden boxes
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009205472JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

NYCP&R LYONS POOL (Continued) **S110047195**

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

M82 **CAROCCIAS SVC CNTR** **RCRA-NonGen** **1000327793**
SSW **VICTORY BLVD & RICHMOND AVE** **FINDS** **NYD173288408**
1/8-1/4 **STATEN ISLAND, NY 10314** **NY MANIFEST**
0.224 mi.
1185 ft. **Site 2 of 6 in cluster M**

Relative:
Lower

Actual:
35 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	CAROCCIAS SVC CNTR
Facility address:	VICTORY BLVD & RICHMOND AVE STATEN ISLAND, NY 10314
EPA ID:	NYD173288408
Mailing address:	VICTORY BLVD STATEN ISLAND, NY 10314
Contact:	Not reported
Contact address:	VICTORY BLVD STATEN ISLAND, NY 10314
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:	TAXACO INC
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:	TAXACO INC
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

CAROCCIAS SVC CNTR (Continued) **1000327793**

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
Facility name:	CAROCCIAS SVC CNTR
Classification:	Not a generator, verified
Date form received by agency:	07/08/1999
Facility name:	CAROCCIAS SVC CNTR
Classification:	Not a generator, verified
Date form received by agency:	04/13/1988
Facility name:	CAROCCIAS SVC CNTR
Classification:	Large Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110008010071

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:	NYD173288408
Country:	USA
Mailing Name:	CAROCCIAS SERVICE CENTER
Mailing Contact:	CAROCCIAS SERVICE CENTER
Mailing Address:	31-02 VICTORY BOULEVARD
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10301
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	000-000-0000

Document ID: NYA5262111

CAROCCIAS SVC CNTR (Continued) **1000327793**

Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	VM7936NY
Trans2 State ID:	Not reported
Generator Ship Date:	880510
Trans1 Recv Date:	880510
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880510
Part A Recv Date:	880628
Part B Recv Date:	880518
Generator EPA ID:	NYD173288408
Trans1 EPA ID:	NYD981185903
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

M83 **NYC PARKS & RECREATION - LYON POOL** **RCRA-CESQG** **1012186659**
SSW **20 VICTORY BLVD** **NYR000165217**
1/8-1/4 **STATEN ISLAND, NY 10302**
0.226 mi.
1194 ft. **Site 3 of 6 in cluster M**

Relative:
Lower

Actual:
35 ft.

RCRA-CESQG:

Date form received by agency:	06/12/2012
Facility name:	NYC PARKS & RECREATION - LYON POOL
Facility address:	20 VICTORY BLVD STATEN ISLAND, NY 10302
EPA ID:	NYR000165217
Mailing address:	VICTORY BLVD STATEN ISLAND, NY 10302
Contact:	BONNIE WILLIAMS
Contact address:	W 61ST ST NEW YORK, NY 10023
Contact country:	US
Contact telephone:	(718) 390-8012
Contact email:	ERIKA.VALDEZ@PARKS.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

NYC PARKS & RECREATION - LYON POOL (Continued) **1012186659**

Owner/Operator Summary:

Owner/operator name:	NYC PARKS & RECREATION
Owner/operator address:	W 61ST ST NEW YORK, NY 10023
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/02/1980
Owner/Op end date:	Not reported

Owner/operator name:	NYC PARKS & RECREATION
Owner/operator address:	W 61ST ST NEW YORK, NY 10023
Owner/operator country:	US
Owner/operator telephone:	(212) 830-7978
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/02/1980
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:	02/08/2010
Facility name:	NYC PARKS & RECREATION - LYON POOL
Site name:	NYC P & R LYONS POOL
Classification:	Large Quantity Generator

Date form received by agency:	05/21/2009
Facility name:	NYC PARKS & RECREATION - LYON POOL
Site name:	NYCP&R LYONS POOL
Classification:	Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

NYC PARKS & RECREATION - LYON POOL (Continued) **1012186659**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 4500

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)
Amount (Lbs): 4500

Violation Status: No violations found

---

84 WNW 1/8-1/4 0.228 mi. 1205 ft.

100 BELMONT PLACE
100 BELMONT PLACE
STATEN ISLAND, NY 10301

NY AST **1002684749**
NY HIST AST **N/A**

Relative: Higher

Actual: 134 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-603265
Program Type: PBS
UTM X: 577809.71615999995
UTM Y: 4499478.1647600001
Expiration Date: 2007/12/17

Affiliation Records:
Site Id: 25195
Affiliation Type: Owner
Company Name: MICHAEL J. LAZAROFF
Contact Type: Not reported
Contact Name: Not reported
Address1: P. O. BOX 5
Address2: Not reported
City: HAZLET
State: NJ
Zip Code: 07730-0005
Country Code: 001
Phone: (212) 243-1819
Phone Ext: Not reported
Email: Not reported

100 BELMONT PLACE (Continued) **1002684749**

Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25195
Affiliation Type:	Mail Contact
Company Name:	COCO LAZAROFF
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	666 GREENWICH STREET
Address2:	APT. 752
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 243-1819
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25195
Affiliation Type:	On-Site Operator
Company Name:	100 BELMONT PLACE
Contact Type:	Not reported
Contact Name:	FADILARDOLIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 727-0081
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25195
Affiliation Type:	Emergency Contact
Company Name:	MICHAEL J. LAZAROFF
Contact Type:	Not reported
Contact Name:	FADILARDOLIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 876-9054
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

100 BELMONT PLACE (Continued) **1002684749**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
F06 - Pipe External Protection - Wrapped
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Info:

Tank Number:	001
Tank Id:	53629
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	Not reported
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:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-603265
SWIS Code:	6401
Operator:	FADILARDOLIC
Facility Phone:	(718) 727-0081
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	FADILARDOLIC
Emergency Tel:	(718) 876-9054
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MICHAEL J. LAZAROFF
Owner Address:	P. O. BOX 5
Owner City,St,Zip:	HAZLET, NJ 07730-0005
Federal ID:	Not reported
Owner Tel:	(212) 243-1819
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	COCO LAZAROFF
Mailing Address:	666 GREENWICH STREET
Mailing Address 2:	APT. 752
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 243-1819

100 BELMONT PLACE (Continued) **1002684749**

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:	02/09/2001
Expiration:	12/17/2007
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:	64
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
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	6
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

J85 NNW 1/8-1/4 0.230 mi. 1214 ft. | **NYC - STATEN ISLAND FAMILY COURT** | **RCRA-NonGen FINDS NY MANIFEST** | **1001113440 NYR000024307**

100 RICHMOND TER
STATEN ISLAND, NY 10301

Site 10 of 11 in cluster J

Relative: Lower

Actual: 15 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYC - STATEN ISLAND FAMILY COURT
Facility address:	100 RICHMOND TER STATEN ISLAND, NY 103011905
EPA ID:	NYR000024307
Mailing address:	RICHMOND TER STATEN ISLAND, NY 10301
Contact:	Not reported
Contact address:	RICHMOND TER STATEN ISLAND, NY 10301
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:	CITY OF NEW YORK
Owner/operator address:	1 CENTRE ST NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8710
Legal status:	Municipal
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:	1 CENTRE ST NEW YORK, NY 10007
Owner/operator country:	US
Owner/operator telephone:	(212) 669-8710
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
User oil refiner:	No
Used oil fuel marketer to burner:	No

NYC - STATEN ISLAND FAMILY COURT (Continued) **1001113440**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYC - STATEN ISLAND FAMILY COURT
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NYC - STATEN ISLAND FAMILY COURT
Classification: Not a generator, verified

Date form received by agency: 05/21/1996
Facility name: NYC - STATEN ISLAND FAMILY COURT
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004525265

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: NYR000024307
Country: USA
Mailing Name: NYC STATEN ISLAND FAMILY COURT
Mailing Contact: JOHN BLAKE
Mailing Address: 100 RICHMOND TERRACE
Mailing Address 2: Not reported
Mailing City: STATEN ISLAND
Mailing State: NY
Mailing Zip: 10301
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 914-681-6384

Document ID: NYB7259391
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PTH7946MN
Trans2 State ID: Not reported
Generator Ship Date: 960801
Trans1 Recv Date: 960801
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960805
Part A Recv Date: 960826
Part B Recv Date: 960918

NYC - STATEN ISLAND FAMILY COURT (Continued) **1001113440**

Generator EPA ID:	NYR000024307
Trans1 EPA ID:	MA5000002394
Trans2 EPA ID:	Not reported
TSDF ID:	AZ0000337360
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	003
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
Waste Code:	Not reported
Quantity:	00360
Units:	P - Pounds
Number of Containers:	012
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:	96

J86 **SNUG HARBOR CULTURAL CENTER** **NY HIST UST** **U003074993**
NNW **100 RICHMOND TERRACE** **NY HIST AST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.230 mi.
1214 ft. **Site 11 of 11 in cluster J**

Relative:
Lower

Actual:
15 ft.

HIST UST:

PBS Number:	2-601995
SPDES Number:	Not reported
Emergency Contact:	FRANK FONTANA
Emergency Telephone:	(718) 816-9691
Operator:	DAVID WARD
Operator Telephone:	(718) 816-9680
Owner Name:	NEW YORK CITY DEPARTMENT OF CULTURAL AFFAIRS-PARKS
Owner Address:	TWO COLUMBUS CIRCLE
Owner City,St,Zip:	NEW YORK, NY 10019
Owner Telephone:	(212) 841-4131
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	SNUG HARBOR CULTURAL CENTER
Mailing Address:	1000 RICHMOND TERRACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Contact:	DAVID WARD
Mailing Telephone:	(718) 816-9680
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:	6401
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

SNUG HARBOR CULTURAL CENTER (Continued) **U003074993**

Certification Date:	10/17/1994
Expiration Date:	10/17/1999
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	33000
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:	64
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Temporarily Out Of Service
Install Date:	Not reported
Capacity (gals):	15000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
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:	12/27/1987
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:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	15000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None

SNUG HARBOR CULTURAL CENTER (Continued) **U003074993**

Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/27/1987
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:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
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:	12/27/1987
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-601995
SWIS Code:	6401
Operator:	DAVID WARD
Facility Phone:	(718) 816-9680
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	FRANK FONTANA
Emergency Tel:	(718) 816-9691
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NEW YORK CITY DEPARTMENT OF CULTURAL AFFAIRS-PARKS
Owner Address:	TWO COLUMBUS CIRCLE
Owner City,St,Zip:	NEW YORK, NY 10019
Federal ID:	Not reported
Owner Tel:	(212) 841-4131

SNUG HARBOR CULTURAL CENTER (Continued) **U003074993**

Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	DAVID WARD
Mailing Name:	SNUG HARBOR CULTURAL CENTER
Mailing Address:	1000 RICHMOND TERRACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 816-9680
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:	10/17/1994
Expiration:	10/17/1999
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	33000
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:	64
Town or City Code:	01
Region:	2

Tank ID:	004
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Tank Converted To Non-Regulated Use
Install Date:	Not reported
Capacity (Gal):	250
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:	FIBERGLASS COATED STEEL
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

SNUG HARBOR CULTURAL CENTER (Continued) **U003074993**

Tank ID:	005
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Tank Converted To Non-Regulated Use
Install Date:	Not reported
Capacity (Gal):	250
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	FIBERGLASS COATED STEEL
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	08/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

M87 **NYSDOT BRIDGE BIN 1067011&2** **RCRA-CESQG** **1007571152**
SSW **STATEN ISLAND EXPWY WB & EB** **NYR000127159**
1/8-1/4 **STATEN ISLAND, NY 10304**
0.232 mi.
1225 ft. **Site 4 of 6 in cluster M**

Relative:
Higher

Actual:
38 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT BRIDGE BIN 1067011&2
Facility address:	STATEN ISLAND EXPWY WB & EB OVER TARGEE ST STATEN ISLAND, NY 10304
EPA ID:	NYR000127159
Mailing address:	21ST ST NYSDOT REGION 11 LONG ISLAND CITY, NY 11101
Contact:	MAJID BUKHARI
Contact address:	21ST ST NYSDOT REGION 11 LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 482-4792
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

NYSDOT BRIDGE BIN 1067011&2 (Continued) **1007571152**

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:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/09/2004
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:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/09/2004
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
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
Facility name:	NYSDOT BRIDGE BIN 1067011&2
Classification:	Small Quantity Generator

Date form received by agency:	09/07/2004
Facility name:	NYSDOT BRIDGE BIN 1067011&2
Classification:	Large Quantity Generator

Violation Status: No violations found

M88 SSW 1/8-1/4 0.233 mi. 1230 ft. | **NYSDOT BIN 1067821**
I-278 WB OVER MOSEL AVE
STATEN ISLAND, NY 10304 | **RCRA-LQG** | **1007571151**
NY MANIFEST | **NYR000127142**

Site 5 of 6 in cluster M

Relative: Higher

Actual: 38 ft.

RCRA-LQG:

Date form received by agency:	05/14/2010
Facility name:	NYSDOT BIN 1067821
Facility address:	I-278 WB OVER MOSEL AVE STATEN ISLAND, NY 10304
EPA ID:	NYR000127142
Mailing address:	21ST ST DOT REGION 11 CONSTR OFFICE LONG ISLAND CITY, NY 11101
Contact:	CARL R KOCHERSBERGER
Contact address:	WOLF RD - ENV ANALYSIS NYSDOT HAZ WASTE SEC POD 4-1 ALBANY, NY 12232
Contact country:	US
Contact telephone:	(518) 485-9161
Contact email:	CKOCHERSBERGER@DOT.STATE.NY.US
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:	OFFICE OF CONSTRUCTION NYSDOT REGION 11
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	05/14/2010
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:	State
Owner/Operator Type:	Operator
Owner/Op start date:	06/09/2004
Owner/Op end date:	Not reported
Owner/operator name:	NO NAME FOUND
Owner/operator address:	Not reported

NYSDOT BIN 1067821 (Continued) **1007571151**

	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/09/2004
Owner/Op end date:	Not reported

Owner/operator name:	STATE OF NY C/O NYSDOT COMMISSIONER
Owner/operator address:	WOLF RD
	ALBANY, NY 12232
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	05/14/2010
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:	01/01/2007
Facility name:	NYSDOT BIN 1067821
Site name:	NYSDOT BRIDGE BIN 1067821&2
Classification:	Small Quantity Generator

Date form received by agency:	01/01/2006
Facility name:	NYSDOT BIN 1067821
Site name:	NYSDOT BRIDGE BIN 1067821&2
Classification:	Small Quantity Generator

Date form received by agency:	09/07/2004
Facility name:	NYSDOT BIN 1067821
Site name:	NYSDOT BRIDGE BIN 1067821&2
Classification:	Large Quantity Generator

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

NYSDOT BIN 1067821 (Continued) **1007571151**

NY MANIFEST:

EPA ID:	NYR000127142
Country:	USA
Mailing Name:	NYSDOT
Mailing Contact:	N/S
Mailing Address:	24-35 VICTORY BLVD
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10314
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-556-4160

Document ID:	NJA5222967
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	01/11/2005
Trans1 Recv Date:	01/11/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/11/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	S8424
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04800
Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NJA5222737
Manifest Status:	Not reported
Trans1 State ID:	S8424
Trans2 State ID:	Not reported
Generator Ship Date:	11/12/2004
Trans1 Recv Date:	11/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/18/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	25000
Units:	P - Pounds
Number of Containers:	035

NYSDOT BIN 1067821 (Continued) **1007571151**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NJA5222903
Manifest Status:	Not reported
Trans1 State ID:	88424
Trans2 State ID:	Not reported
Generator Ship Date:	12/20/2004
Trans1 Recv Date:	12/20/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/20/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12000
Units:	P - Pounds
Number of Containers:	024
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NJA5222967
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	01/11/2005
Trans1 Recv Date:	01/11/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/11/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	S8424
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04800
Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2005

EPA ID:	NYR000127159
Country:	USA
Mailing Name:	NYSDOT
Mailing Contact:	N/S

NYSDOT BIN 1067821 (Continued) **1007571151**

Mailing Address:	24-35 VICTORY BLVD
Mailing Address 2:	Not reported
Mailing City:	STATEN ISLAND
Mailing State:	NY
Mailing Zip:	10314
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-556-4160

Document ID:	NJA5222967
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	01/11/2005
Trans1 Recv Date:	01/11/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/11/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	S8424
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04800
Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NJA5222737
Manifest Status:	Not reported
Trans1 State ID:	S8424
Trans2 State ID:	Not reported
Generator Ship Date:	11/12/2004
Trans1 Recv Date:	11/12/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/18/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	25000
Units:	P - Pounds
Number of Containers:	035
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

NYSDOT BIN 1067821 (Continued) **1007571151**

Document ID:	NJA5222903
Manifest Status:	Not reported
Trans1 State ID:	88424
Trans2 State ID:	Not reported
Generator Ship Date:	12/20/2004
Trans1 Recv Date:	12/20/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/20/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	12000
Units:	P - Pounds
Number of Containers:	024
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NJA5222967
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	01/11/2005
Trans1 Recv Date:	01/11/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/11/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000127142
Trans1 EPA ID:	S8424
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04800
Units:	P - Pounds
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2005

N89 **NYC SCA - PUBLIC SCHOOL 26R** **RCRA-NonGen** **1004761689**
SSW **41-08 VICTORY BLVD** **FINDS** **NYR000089417**
1/8-1/4 **STATEN ISLAND, NY 10304** **NY MANIFEST**
0.234 mi.
1234 ft. **Site 1 of 4 in cluster N**

Relative:
Higher

Actual:
39 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYC SCA - PUBLIC SCHOOL 26R
Facility address:	41-08 VICTORY BLVD STATEN ISLAND, NY 10304

NYC SCA - PUBLIC SCHOOL 26R (Continued) **1004761689**

EPA ID:	NYR000089417
Mailing address:	VICTORY BLVD STATEN ISLAND, NY 10304
Contact:	ALEX LAMPERT
Contact address:	VICTORY BLVD STATEN ISLAND, NY 10304
Contact country:	US
Contact telephone:	(718) 472-8509
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 SCA
Owner/operator address:	30-30 THOMSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 472-8509
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYC SCA
Owner/operator address:	30-30 THOMSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 472-8509
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
Facility name:	NYC SCA - PUBLIC SCHOOL 26R
Classification:	Not a generator, verified

NYC SCA - PUBLIC SCHOOL 26R (Continued) **1004761689**

Date form received by agency: 09/05/2000
Facility name: NYC SCA - PUBLIC SCHOOL 26R
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004564203

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: NYR000089417
Country: USA
Mailing Name: NYC SCHOOL CONSTRUCTION AUTHORITY
Mailing Contact: VIKTOR CHECHUGA
Mailing Address: 30-30 THOMSON AVE
Mailing Address 2: Not reported
Mailing City: LONG ISLAND CITY
Mailing State: NY
Mailing Zip: 11101
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 718-472-8501

Document ID: NYG2527686
Manifest Status: Not reported
Trans1 State ID: NJD054126164
Trans2 State ID: Not reported
Generator Ship Date: 11/04/2000
Trans1 Recv Date: 11/04/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/05/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000089417
Trans1 EPA ID: OHD055522429
Trans2 EPA ID: Not reported
TSDF ID: 0440464ME
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 01300
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

90 West 1/8-1/4 0.238 mi. 1257 ft.

FORT PLACE COOPERATIVE INC
50 FORT PLACE
STATEN ISLAND, NY 10301

NY AST **U003383600**
NY HIST AST **N/A**
NY Spills

Relative: Higher

Actual: 135 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-055816
Program Type:	PBS
UTM X:	577792.50271999999
UTM Y:	4499389.0443900004
Expiration Date:	2016/12/30

Affiliation Records:

Site Id:	869
Affiliation Type:	Owner
Company Name:	FORT PLACE COOPERATIVE INC
Contact Type:	PRESIDENT
Contact Name:	SHEILA SWIGERT
Address1:	50 FORT PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 447-6642
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	11/1/2006

Site Id:	869
Affiliation Type:	Mail Contact
Company Name:	FORT PLACE COOPERATIVE INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	50 FORT PLACE
Address2:	Not reported
City:	STATEN ISLAND
State:	NY
Zip Code:	10301
Country Code:	001
Phone:	(718) 447-6642
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	869
Affiliation Type:	On-Site Operator
Company Name:	FORT PLACE COOPERATIVE INC
Contact Type:	Not reported
Contact Name:	BRADSHAW MGMT-EXCEL GROUP, LLC
Address1:	Not reported
Address2:	Not reported

FORT PLACE COOPERATIVE INC (Continued) **U003383600**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 447-6642
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	11/1/2006

Site Id:	869
Affiliation Type:	Emergency Contact
Company Name:	FORT PLACE COOPERATIVE INC
Contact Type:	Not reported
Contact Name:	LUIS LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 720-8761
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	11/1/2006

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Info:

Tank Number:	001
Tank Id:	1812
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	05/01/1962
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:	TRANSLAT
Last Modified:	03/04/2004

FORT PLACE COOPERATIVE INC (Continued) **U003383600**

HIST AST:

PBS Number:	2-055816
SWIS Code:	6401
Operator:	BRADSHAW MGMT ASSOCIATES INC
Facility Phone:	(718) 447-6642
Facility Addr2:	50 FORT PLACE
Facility Type:	APARTMENT BUILDING
Emergency:	CHARLES SCARPATI
Emergency Tel:	(718) 727-3767
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	FORT PLACE COOPERATIVE INC
Owner Address:	50 FORT PLACE
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Federal ID:	Not reported
Owner Tel:	(718) 447-6642
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	FORT PLACE COOPERATIVE INC
Mailing Address:	50 FORT PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	STATEN ISLAND, NY 10301
Mailing Telephone:	(718) 447-6642
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:	10/23/1996
Expiration:	12/30/2001
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:	64
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:	19620501
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground

FORT PLACE COOPERATIVE INC (Continued) **U003383600**

Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	03
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
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

SPILLS:

Facility ID:	9911138
DER Facility ID:	237633
Facility Type:	ER
Site ID:	293605
DEC Region:	2
Spill Number:	9911138
Spill Date:	12/20/1999
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	12/21/1999
SWIS:	4301
Investigator:	JMROMMEL
Referred To:	Not reported
Reported to Dept:	12/21/1999
CID:	322
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:	12/21/1999
Spill Record Last Update:	1/23/2004
Spiller Name:	JOSEPH MARRONE
Spiller Company:	Not reported
Spiller Address:	50 FORT PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Company:	001
Contact Name:	JOSEPH MARRONE
Contact Phone:	(718) 447-6642
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"Fill line ruptured under sidewalk. soil impacted. no drains impacted. oil was oozing from cracks in the sidewalk. Contracted plumber to break sidewalk an dexcavate and collect endpoint samples. 5 drums of soil excavated already.

FORT PLACE COOPERATIVE INC (Continued) **U003383600**

Remarks: leaking line caused spill - most of spill cleaned up

Material:

Site ID:	293605
Operable Unit ID:	1085852
Operable Unit:	01
Material ID:	296609
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

O91 **NY LTANKS** **S104619559**
WSW **157 DANIEL LOU TERRACE** **NY HIST LTANKS** **N/A**
1/8-1/4 **STATEN ISLAND, NY**
0.239 mi.
1261 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
100 ft.

LTANKS:

Site ID:	265188
Spill No:	9803245
Spill Date:	6/12/1998
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.
Spill Closed Dt:	Not reported
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/12/1998
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False

(Continued) **S104619559**

Remediation Phase:	1
Date Entered In Computer:	6/12/1998
Spill Record Last Update:	8/17/2012
Spiller Name:	MR WAYLAND
Spiller Company:	Not reported
Spiller Address:	157 DANIEL LOU TERRACE
Spiller City,St,Zip:	STATEN ISLAND, ZZ
Spiller County:	001
Spiller Contact:	MR WAYLAND
Spiller Phone:	(718) 967-3668
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	216086
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.9/22/10 Transferred to b. falvey.8/17/12 Spill re-assigned to T. Demeo as per RSE. bf
Remarks:	WILL RECOMMED TO OWNER TO DO A TANK ONLY TEST TO DETERMINE IF IT IS THE TANK OR LINES WHICH HAVE CAUSED THE PROBLEM.

Material:

Site ID:	265188
Operable Unit ID:	1061206
Operable Unit:	01
Material ID:	321559
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:	265188
Spill Tank Test:	1545985
Tank Number:	1
Tank Size:	2000
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:	265188
Spill No:	9803245
Spill Date:	6/12/1998
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.
Spill Closed Dt:	Not reported

(Continued) **S104619559**

Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/12/1998
CID:	252
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:	6/12/1998
Spill Record Last Update:	8/17/2012
Spiller Name:	MR WAYLAND
Spiller Company:	Not reported
Spiller Address:	157 DANIEL LOU TERRACE
Spiller City,St,Zip:	STATEN ISLAND, ZZ
Spiller County:	001
Spiller Contact:	MR WAYLAND
Spiller Phone:	(718) 967-3668
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	216086
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.9/22/10 Transferred to b. falvey.8/17/12 Spill re-assigned to T. Demeo as per RSE. bf
Remarks:	WILL RECOMMED TO OWNER TO DO A TANK ONLY TEST TO DETERMINE IF IT IS THE TANK OR LINES WHICH HAVE CAUSED THE PROBLEM.

Material:

Site ID:	265188
Operable Unit ID:	1061206
Operable Unit:	01
Material ID:	321559
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:	265188
Spill Tank Test:	1545985
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported

(Continued) **S104619559**

Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

Site ID:	265188
Spill No:	9803245
Spill Date:	6/12/1998
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.
Spill Closed Dt:	Not reported
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/12/1998
CID:	252
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:	6/12/1998
Spill Record Last Update:	8/17/2012
Spiller Name:	MR WAYLAND
Spiller Company:	Not reported
Spiller Address:	157 DANIEL LOU TERRACE
Spiller City,St,Zip:	STATEN ISLAND, ZZ
Spiller County:	001
Spiller Contact:	MR WAYLAND
Spiller Phone:	(718) 967-3668
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	216086
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.9/22/10 Transferred to b. falvey.8/17/12 Spill re-assigned to T. Demeo as per RSE. bf
Remarks:	WILL RECOMMED TO OWNER TO DO A TANK ONLY TEST TO DETERMINE IF IT IS THE TANK OR LINES WHICH HAVE CAUSED THE PROBLEM.

Material:

Site ID:	265188
Operable Unit ID:	1061206
Operable Unit:	01
Material ID:	321559
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons

(Continued) **S104619559**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 265188
Spill Tank Test: 1545985
Tank Number: 1
Tank Size: 2000
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

HIST LTANKS:
Region of Spill: 2
Spill Number: 9803245
Spill Date: 06/12/1998
Spill Time: 13:00
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Not reported
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 06/12/98
Reported to Department Time: 16:52
SWIS: 64
Spiller Contact: MR WAYLAND
Spiller Phone: (718) 967-3668
Spiller Extention: Not reported
Spiller Name: Not reported
Spiller Address: 157 DANIEL LOU TERRACE
Spiller City,St,Zip: STATEN ISLAND
Spiller Cleanup Date: / /
Facility Contact: MR WAYLAND
Facility Phone: (718) 967-3668
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-245135
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended

(Continued) **S104619559**

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/12/98
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 06/18/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 2000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: WILL RECOMMED TO OWNER TO DO A TANK ONLY TEST TO DETERMINE IF IT IS THE TANK OR LINES WHICH HAVE CAUSED THE PROBLEM.

O92 **157 DANIEL LOW TERRACE** **NY UST** **U001834394**
WSW **157 DANIEL LOW TERRACE** **NY HIST UST** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.239 mi.
1261 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
100 ft.

UST:
Facility Id: 2-245135
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2012/07/07
UTM X: 577756.26286000002
UTM Y: 4499268.0491300002

Affiliation Records:
Site Id: 9522
Affiliation Type: Owner
Company Name: ISLAND INVESTING PARTNER SHIP
Contact Type: PARTNER
Contact Name: WAYLAND ENG
Address1: PO BOX 249 GREAT KILLS STA
Address2: Not reported

157 DANIEL LOW TERRACE (Continued) **U001834394**

City:	SI
State:	NY
Zip Code:	10308
Country Code:	001
Phone:	(718) 967-3668
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	7/13/2007

Site Id:	9522
Affiliation Type:	Mail Contact
Company Name:	ISLAND INVESTING PARTNER SHIP
Contact Type:	PARTNER
Contact Name:	WAYLAND ENG
Address1:	PO BOX 249 GREAT KILLS STA
Address2:	Not reported
City:	SI
State:	NY
Zip Code:	10308
Country Code:	001
Phone:	(718) 967-3668
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	7/13/2007

Site Id:	9522
Affiliation Type:	On-Site Operator
Company Name:	157 DANIEL LOW TERRACE
Contact Type:	Not reported
Contact Name:	WAYLAND ENG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 967-3668
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9522
Affiliation Type:	Emergency Contact
Company Name:	ISLAND INVESTING PARTNER SHIP
Contact Type:	Not reported
Contact Name:	B. FANLIMINO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

157 DANIEL LOW TERRACE (Continued) **U001834394**

Country Code:	001
Phone:	(917) 346-8300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

Tank Info:

Site ID:	9522
Tank Number:	001
Tank ID:	11581
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	04/23/1920
Capacity Gallons:	2000
Tightness Test Method:	21
Next Test Date:	04/30/2012
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/30/2007
Register:	True
Modified By:	msbaptis
Last Modified:	07/13/2007

HIST UST:

PBS Number:	2-245135
SPDES Number:	Not reported
Emergency Contact:	NICK SAINOVOSKI
Emergency Telephone:	(718) 442-0735
Operator:	NICK SAINOVOSKI
Operator Telephone:	(718) 967-3668
Owner Name:	ISLAND INVESTING PARTNER SHIP
Owner Address:	PO BOX 249 GREAT KILLS STA
Owner City,St,Zip:	SI, NY 10308
Owner Telephone:	(718) 967-3668
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	ISLAND INVESTING PARTNER SHIP
Mailing Address:	PO BOX 249 GREAT KILLS STA
Mailing Address 2:	Not reported
Mailing City,St,Zip:	SI, NY 10308
Mailing Contact:	WAYLAND ENG
Mailing Telephone:	(718) 967-3668

157 DANIEL LOW TERRACE (Continued) **U001834394**

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:	157 DANIEL LOW TERRACE
SWIS ID:	6401
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:	09/17/1997
Expiration Date:	07/07/2002
Renew Flag:	False
Renewal 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:	64
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	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:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Gravity
Date Tested:	05/01/1992
Next Test Date:	05/01/1997
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

N93 SSW 1/8-1/4 0.240 mi. 1265 ft. | **NYCP&R - STATEN ISLAND NURSEY** | **RCRA-NonGen** | **1007119374**
38-08 VICTORY BLVD | **NYR000121673**
STATEN ISLAND, NY 10311

Site 2 of 4 in cluster N

Relative: Higher

Actual: 45 ft.

RCRA-NonGen:

Date form received by agency:	01/01/2007
Facility name:	NYCP&R - STATEN ISLAND NURSEY
Facility address:	38-08 VICTORY BLVD STATEN ISLAND, NY 10311
EPA ID:	NYR000121673
Mailing address:	CLOVE RD STATEN ISLAND, NY 10301
Contact:	GARY ZERILLI
Contact address:	CLOVE RD STATEN ISLAND, NY 10301
Contact country:	US
Contact telephone:	(718) 390-8009
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 PARKS & RECREATION
Owner/operator address:	UNKNOWN UNKNOWN, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	NYC PARKS & RECREATION
Owner/operator address:	UNKNOWN UNKNOWN, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
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

NYCP&R - STATEN ISLAND NURSEY (Continued) **1007119374**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NYCP&R - STATEN ISLAND NURSEY
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: NYCP&R - STATEN ISLAND NURSEY
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

N94 SSW 1/8-1/4 0.240 mi. 1265 ft. | **NYCP&R - STATEN ISLAND NURSEY** | **NY MANIFEST** | **S112211253**
38-08 VICTORY BLVD | **N/A**
STATEN ISLAND, NY 10311

Site 3 of 4 in cluster N

Relative: Higher

Actual: 45 ft.

NY MANIFEST:
EPA ID: NYR000121673
Country: USA
Mailing Name: NYCP&R - STATEN ISLAND NURSEY
Mailing Contact: NATE MCVAY
Mailing Address: 24 W 61ST ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10023
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-830-7978

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 2012-09-21
Trans1 Recv Date: 2012-09-21
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-09-21
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000121673
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 50.0
Units: G - Gallons (liquids only)* (8.3 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

NYCP&R - STATEN ISLAND NURSEY (Continued) **S112211253**

Manifest Tracking Num:	000958503GBF
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

N95
SSW
1/8-1/4
0.242 mi.
1280 ft.

FRESHKILLS SUBSTATION **NY LTANKS** **S102234622**
44 VICTORY BLVD **NY HIST LTANKS** **N/A**
STATEN ISLAND, NY **NY Spills**

Site 4 of 4 in cluster N

Relative:
Higher

Actual:
48 ft.

LTANKS:

Site ID:	161391
Spill No:	9601879
Spill Date:	5/7/1996
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.
Spill Closed Dt:	5/9/1996
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	KATZ
Referred To:	Not reported
Reported to Dept:	5/7/1996
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:	5/7/1996
Spill Record Last Update:	5/24/1996
Spiller Name:	LISA PRIMEGGIA
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller County:	001
Spiller Contact:	LISA PRIMEGGIA
Spiller Phone:	(212) 580-6763
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	136268
DEC Memo:	Not reported
Remarks:	while filling one of their trucks with diesel fuel tank was overfilled causing spill onto black top-has been cleaned up

FRESHKILLS SUBSTATION (Continued) **S102234622**

Material:

Site ID:	161391
Operable Unit ID:	1029501
Operable Unit:	01
Material ID:	351677
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8
Units:	Gallons
Recovered:	8
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9601879
Spill Date:	05/07/1996
Spill Time:	16:41
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/09/96
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KATZ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	05/07/96
Reported to Department Time:	17:03
SWIS:	64
Spiller Contact:	LISA PRIMEGGIA
Spiller Phone:	(212) 580-6763

FRESHKILLS SUBSTATION (Continued) **S102234622**

Spiller Extention: Not reported
Spiller Name: CON EDISON
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: NEW YORK, NY 10003-
Spiller Cleanup Date: / /
Facility Contact: LISA PRIMEGGIA
Facility Phone: (212) 560-6763
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/07/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/24/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 8
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 8
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: while filling one of their trucks with diesel fuel tank was overfilled causing spill onto black top-has been cleaned up

SPILLS:
Facility ID: 0203403
DER Facility ID: 136268
Facility Type: ER
Site ID: 161389
DEC Region: 2
Spill Number: 0203403
Spill Date: 7/1/2002
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

FRESHKILLS SUBSTATION (Continued) **S102234622**

Spill Closed Date:	12/20/2005
SWIS:	4301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	7/1/2002
CID:	205
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:	7/1/2002
Spill Record Last Update:	12/20/2005
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:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 143-672:SSO Ed Fry reports 4 ounces of transformer oil spilled from transformer # 22 East at Fresh Kills S/S. The leak is located between the selector compartment and the main body. Leak is on blue stone. Leak is immeasurable and marriage roll was installed under leak to contain and absorb it.SSO Ed Fry reports lab sequence # 02-04470-001 main body, 02-04470-002 selector compartment, 02-04470-003 contactor compartment, all less than 1 ppm dated 5/19/02. Cleanup will be handled by maintenance as less than 50 ppm.9/27/02 13:47LSN # 02-04470-001As per written confirmation from J. Cona # 52581, the cleanup supervisor, on 7/01/02 from 8:15 to 9:00 removed all visible traces of oil and used absorbents to remove all residual fluids. Oil pads and simple green were used to wipe up the area. Maximo # 166893 was issued to capture the repair.UPDATE 5/2/05Supervisor H. Lauro states on TR#22 belly band was replaced by SSO-M. Leak was coming from the belly band. W.O. 304615 & 308457 indicates that work was done. Pete Sudol and myself inspected TR#22E and no leaks on TR at this time. Mechanics J Kournidakis #166893, Brendon Kane 00358 and C. Koehler # 83984 worked on TR#22 E according to Maximo all work was completed 3/30/05. Incident submitted for closure.
Remarks:	4oz. spill to blue stone. con ed # 143672. cleanup is pending.

Material:

Site ID:	161389
Operable Unit ID:	854245
Operable Unit:	01
Material ID:	521229
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons

FRESHKILLS SUBSTATION (Continued) **S102234622**

Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0211915
DER Facility ID:	136268
Facility Type:	ER
Site ID:	161390
DEC Region:	2
Spill Number:	0211915
Spill Date:	3/3/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/23/2005
SWIS:	4301
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	3/3/2003
CID:	204
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:	3/3/2003
Spill Record Last Update:	5/23/2005
Spiller Name:	ANDREW MORRIS
Spiller Company:	FRESHKILLS SUBSTATION
Spiller Address:	44 VICTORY BLVD
Spiller City,St,Zip:	STATEN ISLAND, NY
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 #147372:Phillip Hogan of SSO reports 1/2 gal of dielectric fluid spilled from Circuit Breaker 23S while performing maintenance. Fluid leaked onto blue stone at Fresh Kills S/S 33KV. No sewers or waterways affected, no smoke or fire. Leak is stopped. Cleanup pending. 3/7/03 13:00As per. H. Lauro, #49657, the cleanup

FRESHKILLS SUBSTATION (Continued) **S102234622**

supervisor, on 3/3/03 from 16:05-16:40 had Monasseri # 81886 and Mee # 20130 remove/ recover all liquid and solid waste. The crew removed all visible traces of oil and excavated all contaminated soil/bluestone. The generated waste was placed in a 15 gallon drum. Maximo # 0000198981 was issued to capture all repair work done to repair the source of the leak.UPDATE 5/27/04 09:17H. Lauro states that all clean has been performed by mechanic Mee #20130 all visable traces of oil have been removed. Repairs to CB#23S have been completed. P. Sudol and myself inspected area and area is clean. Leak closed.

Remarks: DEFECTIVE BREAKER

Material:

Site ID:	161390
Operable Unit ID:	865370
Operable Unit:	01
Material ID:	511696
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

M96 **JOSEPH H. LYONS POOL** **NY CBS AST** **S102639141**
SSW **FOOT OF VICTORY BLVD. AT PIER #6** **NY CBS** **N/A**
1/8-1/4 **STATEN ISLAND, NY 10301**
0.245 mi.
1294 ft. **Site 6 of 6 in cluster M**

Relative:
Lower

Actual:
34 ft.

CBS AST:

CBS Number:	2-000142
Region:	STATE
ICS Number:	2-700525
PBS Number:	Not reported
MOSF Number:	Not reported
Telephone:	(718) 816-9571
Facility Town:	NEW YORK CITY
Operator:	PARK SUPERVISOR OF POOL

JOSEPH H. LYONS POOL (Continued) **S102639141**

Emrgncy Contact:	MANAGER OF ADMINISTRATION OFFI
Emrgncy Phone:	(718) 390-8000
Expiration Date:	12/08/1991
Owner Name:	N.Y.C.DEPT. OF PARKS AND RECREATION
Owner Address:	1150 CLOVE ROAD (ADMIN. OFFICE STONEHENG
Owner City,St,Zip:	STATEN ISLAND, NY 10301
Owner Telephone:	(718) 390-8000
Owner type:	Local Government
Facility Type:	Not reported
Mail Name:	N.Y.C.DEPT. OF PARKS AND RECREATION
Mail Contact Addr:	1150 CLOVE ROAD (ADMIN. OFFICE STONEHENG
Mail Contact Addr2:	Not reported
Mail Contact Contact:	MANAGER OF ADMINISTRATION OFFI
Mail Contact City,St,Zip:	STATEN ISLAND, NY 10301
Mail Phone:	(718) 390-8000
SPDES Number:	Not reported
Facility Status:	INACTIVE FACILITY
Owner Sub Type:	Not reported

Tank Id:	001
Date Entered:	07/19/1989
Capacity (Gal):	1000
Chemical:	Sodium hypochlorite
Tank Closed:	Not reported
Tank Status:	Closed-Removed
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	08/86
Certified Date:	12/08/1989
CAS Number:	7681529
Substance:	Not reported
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Intrnl Protection:	Not reported
Extrnl Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	PLASTIC
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Containment:	Not reported
Tank Containment:	None
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Total Tanks:	1
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	Major Data Missing (which is on the certificate)
SWIS Code:	6401
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	09/29/93
Is it There:	F
Deliquent:	F
Date Expired:	12/08/91
Owner Mark:	1

JOSEPH H. LYONS POOL (Continued) **S102639141**

Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Pre-Printed Renewal App Last Printed: 07/02/1996
Total Capacity of All Active Tanks(gal): 1000

CBS:
CBS Number: 2-000142
Program Type: CBS
Dec Region: 2
Expiration Date: N/A
Facility Status: Unregulated
UTMX: 578289.10678000
UTMY: 4498904.1875299

---

97 NNE 1/8-1/4 0.247 mi. 1304 ft. | **NYCDOT DIVISION OF FERRIES OIL FACILITY**
ST. GEORGE FERRY TERMINAL BUILDING
STATEN ISLAND, NY 10301 | **NY MOSF UST** **S102634302**
NY MOSF AST **N/A**

Relative: Lower

Actual: 1 ft.

MOSF UST:
Facility ID: 2-2540
SWIS Code: 64
Facility Town: ST. GEORGE
Contact Phone: (718) 390-5255
Emerg Contact: Not reported
Emergency Telephone: Not reported
CBS Number: Not reported
SPDES Num: Not reported
Total Tanks: 10
Total Capacity: 648312
Avg Throughput: 20000
License Stat: 1
Facility Status: ACTIVE FACILITY
Facility Type: STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Prod Xfer Options: AC
Expiration Date: 03/31/2004
Applic Rcvd: 03/10/1999
Operator: WILLIAM KANE
Owner Name: NYCDOT/STATEN ISLAND FERRY
Owner Address: ST. GEORGE FERRY TERMINAL BUILDING
Owner City,St,Zip: STATEN ISLAND, NY 10301-
Owner Telephone: (718) 390-5214
Owner Type: Local Government
Owner Status: 2
Owner Mark: First Owner
Mail To Name: NYC DOT
Mail To Address: DIVISION OF FERRIES
Mail To Address 2: ST. GEORGE FERRY TERMINAL BUILDING
Mail City,St,Zip: STATEN ISLAND, NY 10301-
Mail To Contact: ALBERT E. SMITH
Mail To Telephone: (718) 390-5214
Legal Agent Name: K.R. "JACK" LARSON C/O NYCDOT
Legal Agent Address: ST. GEORGE FERRY TERMINAL BUILDING
Legal Agent City,St,Zip: STATEN ISLAND, NY 10301-
Date Filed: Not reported

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Tank ID:	1
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	15000
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	In Service
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 Contain:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispenser:	Suction
Test Date:	00/00
Date Closed:	09/94
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	2
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	15000
Product:	NOS 5 OR 6 FUEL OIL
Tank Status:	In Service
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 Contain:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispenser:	Suction
Test Date:	00/00
Date Closed:	09/94
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	L01
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	3000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	L02
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	3000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	L03
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	3000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	W01

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	1000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	W02
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	1000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	W03
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	1000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

Tank ID:	W04
Tank Location:	UNDERGROUND
Install Date:	12/51
Capacity (Gal):	1000
Product:	UNKNOWN
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Second Contain:	18
Leak Detection:	None
Overfill Protection:	Catch Basin
Dispenser:	Gravity
Test Date:	00/00
Date Closed:	Not reported
Latitude:	40|38|43
Longitude:	74|04|27
Status of Data:	Complete
Inspected Date:	03/29/1995
Inspector Initials:	AS
Inspector Status:	Not reported
Pipe Flag:	True
License Issued:	04/01/1999
Vessel Id:	Not reported
Renew Flag:	True
Renew Date:	12/11/1998
Federal Id No:	Not reported
COI Date:	/ /

MOSF AST:

MOSF Number:	2-2540
SWIS Code:	64
Facility Town:	ST. GEORGE
Facility Phone:	(718) 390-5255
Emergency Contact Name:	Not reported
Emergency Contact Phone:	Not reported
Total Tanks:	10
Total Capacity:	648312
Daily Throughput:	20000
License Status:	1
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Product Transfer Operation:	AC
Facility Status:	ACTIVE FACILITY
Operator Name:	WILLIAM KANE
Owner Name:	NYCDOT/STATEN ISLAND FERRY
Owner Address:	ST. GEORGE FERRY TERMINAL BUILDING
Owner City,St,Zip:	STATEN ISLAND, NY 10301-
Owner Phone:	(718) 390-5214
Owner Type:	Local Government
Owner Status:	2
Owner Mark:	First Owner
Mailing Name:	NYC DOT
Mailing Address:	DIVISION OF FERRIES
Mailing Address 2:	ST. GEORGE FERRY TERMINAL BUILDING
Mailing City,St,Zip:	STATEN ISLAND, NY 10301-
Mailing Contact:	ALBERT E. SMITH
Mailing Phone:	(718) 390-5214
Legal Agent Name:	K.R. "JACK" LARSON C/O NYCDOT
Legal Agent Address:	ST. GEORGE FERRY TERMINAL BUILDING
Legal Agent City,St,Zip:	STATEN ISLAND, NY 10301-
LIC Expires:	03/31/2004

Tank ID:	1A
Tank Location:	ABOVEGROUND
Install Date:	10/91
Product:	NOS 5 OR 6 FUEL OIL

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Tank Status:	In Service
Tank Type:	Stainless steel alloy
Tank Internal:	None
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Wrapped (Piping)
Second Contain:	Excavation/Tranch Liner
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispensing Mthd:	Suction
Test Date:	00/00
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	8000
Lat/Long:	40|38|43 / 74|04|27
Federal ID:	Not reported
Inspected Date:	03/29/1995
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	03/10/1999
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	Not reported
Date Legal Agent Filed with Secretary of State:	Not reported

Tank ID:	BARGE 4
Tank Location:	ABOVEGROUND
Install Date:	12/67
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispensing Mthd:	Suction
Test Date:	00/00
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	179760
Lat/Long:	40|38|43 / 74|04|27
Federal ID:	Not reported
Inspected Date:	03/29/1995

NYCDOT DIVISION OF FERRIES OIL FACILITY (Continued) **S102634302**

Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	03/10/1999
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	Not reported
Date Legal Agent Filed with Secretary of State:	Not reported

Tank ID:	BARGE 5
Tank Location:	ABOVEGROUND
Install Date:	12/69
Product:	NOS 1,2, OR 4 FUEL OIL
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Contain:	None
Leak Detection:	None
Overfill Protection:	Product Level Gauge
Dispensing Mthd:	Suction
Test Date:	00/00
Date Closed:	Not reported
Status of Data:	Complete
Capacity (gal):	447552
Lat/Long:	40|38|43 / 74|04|27
Federal ID:	Not reported
Inspected Date:	03/29/1995
Inspector:	AS
Renew Date:	12/11/1998
Inspected State:	Not reported
Pipe Flag:	True
Vessel ID:	Not reported
Reserve Flag:	True
Status of Data:	In Service
COI Date:	/ /
Date License Issued:	04/01/1999
Date License Application Received:	03/10/1999
Chemical Bulk Storage Number:	Not reported
Pollution Discharge Elimination System Num:	Not reported
Date Legal Agent Filed with Secretary of State:	Not reported

98 SSW 1/8-1/4 0.249 mi. 1315 ft.

L61 VICTORY BLVD
61 VICTORY BLVD
ST GEORGE, NY

NY LTANKS **S101341238**
NY HIST LTANKS **N/A**

Relative: Higher

Actual: 54 ft.

LTANKS:

Site ID:	180100
Spill No:	9412115
Spill Date:	12/10/1994
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	12/10/1994
Facility Addr2:	Not reported
Cleanup Ceased:	12/10/1994
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	12/10/1994
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:	1/30/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	NED LASSA RES-
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:	151139
DEC Memo:	Not reported
Remarks:	TANK WELD LET GO-SPILL IN BASEMENT NO ACTION TAKEN-WILL NOT DELIVER UNTIL TANK IS REPAIRED.

Material:

Site ID:	180100
Operable Unit ID:	1009873
Operable Unit:	01
Material ID:	374447
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

L61 VICTORY BLVD (Continued) **S101341238**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9412115
Spill Date:	12/10/1994
Spill Time:	15:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	12/10/94
Cleanup Ceased:	12/10/94
Cleanup Meets Standard:	True
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/10/94
Reported to Department Time:	16:46
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NED LASSA RES-
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

Date Region Sent Summary to Central Office: / /

L61 VICTORY BLVD (Continued) **S101341238**

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/30/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Raw Sewage
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Not reported
Spill Cause: TANK WELD LET GO-SPILL IN BASEMENT NO ACTION TAKEN-WILL NOT DELIVER UNTIL TANK IS REPAIRED.

---

99 South 1/4-1/2 0.306 mi. 1615 ft. | **CROMWELL CENTER** | **NY LTANKS** | **S103824670**
PIER 6 - BAY ST/HANNAH ST | **NY HIST LTANKS** | **N/A**
STATEN ISLAND, NY

Relative: Lower

Actual: 9 ft.

LTANKS:
Site ID: 134976
Spill No: 9813003
Spill Date: 1/22/1999
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.
Spill Closed Dt: Not reported
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 4301
Investigator: TJDEMEO
Referred To: Not reported
Reported to Dept: 1/22/1999
CID: 365
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False

CROMWELL CENTER (Continued) **S103824670**

Remediation Phase:	1
Date Entered In Computer:	1/22/1999
Spill Record Last Update:	8/17/2012
Spiller Name:	ELLIOT BORACK
Spiller Company:	CROMWELL CENTER
Spiller Address:	PIER 6 - BAY ST/HANNAH ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	ELLIOT BORACK
Spiller Phone:	(718) 390-8014
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	115877
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"INITIAL REPORT UNDER NYSDEC # 98-12828 FOR UNKNOWN SPILL CAUSE. FUEL CARRIER DELIVERED OIL TO AN UNREGISTERED, UNTESTED UST OPERATED BY CITY PARKS. CITY PARKS WAS ORDERED TO TEST TANK. MULQUEEN WITNESSED HORNER EZ3 TEST WITH GROSS FAILURE ON 1/22/99. TANK EMPTIED AND TEMP TANK PUT ON SITE. PIPING DIVORCED FROM TANK. TANK PASSED TEST, PIPING FAILIED. PARKS DEPARTMENT FORWARDED TANK REPAIR AND SUBSURFACE INVESTIGATION TO NYC DDC.06/12/06: This spill is transferred fom Mike Mulqueen to Mr. Koon Tang.9/22/10 Transferred to b. falvey8/17/12 Spill re-assigned to T. Demeo as per RSE. bf
Remarks:	FAILED TANK TEST - THEY WILL DIVORCE ALL PIPING, PUT IN TEMPORARY TANK & RETEST

Material:

Site ID:	134976
Operable Unit ID:	1070267
Operable Unit:	01
Material ID:	313276
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:	134976
Spill Tank Test:	1546769
Tank Number:	1
Tank Size:	10000
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

HIST LTANKS:

Region of Spill:	2

CROMWELL CENTER (Continued) **S103824670**

Spill Number:	9813003
Spill Date:	01/22/1999
Spill Time:	12:30
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/22/99
Reported to Department Time:	12:58
SWIS:	64
Spiller Contact:	ELLIOT BORACK
Spiller Phone:	(718) 390-8014
Spiller Extention:	Not reported
Spiller Name:	CROMWELL CENTER
Spiller Address:	PIER 6 - BAY ST/HANNAH ST
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller Cleanup Date:	/ /
Facility Contact:	ELLIOT BORACK
Facility Phone:	(718) 390-8014
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/22/99
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	05/04/99
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	1
Tank Size:	10000
Test Method:	Horner EZ Check
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Talk Test Failures only pass or fail

Material:

CROMWELL CENTER (Continued) **S103824670**

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	INITIAL REPORT UNDER NYSDEC 98-12828 FOR UNKNOWN SPILL CAUSE. FUEL CARRIER DELIVERED OIL TO AN UNREGISTERED, UNTESTED UST OPERATED BY CITY PARKS. CITY PARKS WAS ORDERED TO TEST TANK. MULQUEEN WITNESSED HORNER EZ3 TEST WITH GROSS FAILURE ON 1/22/99. TANK EMPTIED AND TEMP TANK PUT ON SITE. PIPING DIVORCED FROM TANK. TANK PASSED TEST, PIPING FAILIED. PARKS DEPARTMENT FORWARDED TANK REPAIR AND SUBSURFACE INVESTIGATION TO NYC DDC.
Spill Cause:	FAILED TANK TEST - THEY WILL DIVORCE ALL PIPING, PUT IN TEMPORARY TANK RETEST

P100 **60 HAMILTON AVE/MELBROOK** **NY HIST LTANKS** **S106703249**
NW **60 HAMILTON AV** **N/A**
1/4-1/2 **NYC, NY**
0.311 mi.
1640 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
89 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	8803005
Spill Date:	07/06/1988
Spill Time:	14:00
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	07/06/88
Reported to Department Time:	15:56
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	MELBROOK PROPERTIES
Spiller Address:	0
Spiller City,St,Zip:	VICTOR IDDIS
Spiller Cleanup Date:	/ /

60 HAMILTON AVE/MELBROOK (Continued) **S106703249**

Facility Contact: Not reported
Facility Phone: (718) 520-1240
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-207152
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/07/88
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/27/92
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: / / : ---.
Spill Cause: 7.5K TANK SYSTEM - INITIAL TEST - WOULDN T STABILIZE.

P101 **CLOSED-LACKOF RECENT INFO** **NY LTANKS** **U001838309**
NW **60 HAMILTON AVE** **NY HIST UST** **N/A**
1/4-1/2 **STATEN ISLAND, NY** **NY AST**
0.311 mi. **NY HIST AST**
1640 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
89 ft.

LTANKS:
Site ID: 108995
Spill No: 8803005
Spill Date: 7/6/1988
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.
Spill Closed Dt: 3/5/2003
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

SWIS:	4301
Investigator:	ADMIN. CLOSED
Referred To:	Not reported
Reported to Dept:	7/6/1988
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:	7/7/1988
Spill Record Last Update:	5/12/2003
Spiller Name:	Not reported
Spiller Company:	MELBROOK PROPERTIES
Spiller Address:	0
Spiller City,St,Zip:	VICTOR IDDIS, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	95777
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED" / / : ---.03/05/2003- Closed Due To The Nature / Extent Of The Spill Report
Remarks:	7.5K TANK SYSTEM - INITIAL TEST - WOULDN'T STABILIZE.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:

Site ID:	108995
Operable Unit ID:	918212
Operable Unit:	01
Material ID:	458566
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:

Site ID:	108995
Spill Tank Test:	1534235
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

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

HIST UST:

PBS Number:	2-207152
SPDES Number:	Not reported
Emergency Contact:	BEN SACHWARTZ
Emergency Telephone:	(718) 658-1300
Operator:	LUIS RODRIGUEZ
Operator Telephone:	(718) 273-9627
Owner Name:	SIXTY HAMILTON, LLC
Owner Address:	141-50 85TH ROAD
Owner City,St,Zip:	BRIARWOOD, NY 11435
Owner Telephone:	(718) 658-1300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	SIXTY HAMILTON, LLC
Mailing Address:	Not reported
Mailing Address 2:	141-50 85TH ROAD
Mailing City,St,Zip:	BRIARQOOD, NY 11378-5
Mailing Contact:	BEN SCHWARTZ
Mailing Telephone:	(718) 520-1240
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:	60 HAMILTON AVE
SWIS ID:	6401
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:	01/05/1999
Expiration Date:	12/17/2003
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:	64
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Groundwater Well
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:	03/01/1991
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-207152
Program Type:	PBS
UTM X:	577822.11834000004
UTM Y:	4499731.9588099997
Expiration Date:	2013/12/17

Affiliation Records:

Site Id:	7336
Affiliation Type:	Owner
Company Name:	SIXTY HAMILTON, LLC
Contact Type:	AGENT
Contact Name:	BENJAMIN SCHWARTZ
Address1:	141-50 85TH ROAD
Address2:	Not reported
City:	BRIARWOOD
State:	NY
Zip Code:	11435
Country Code:	001
Phone:	(718) 658-1300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/19/2008

Site Id:	7336
Affiliation Type:	Mail Contact
Company Name:	SIXTY HAMILTON, LLC
Contact Type:	Not reported
Contact Name:	BEN SCHWARTZ
Address1:	141-50 85TH ROAD
Address2:	Not reported
City:	BRIARWOOD
State:	NY
Zip Code:	11435
Country Code:	001

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

Phone:	(718) 658-1300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	7336
Affiliation Type:	On-Site Operator
Company Name:	SIXTY HAMILTON, LLC
Contact Type:	Not reported
Contact Name:	LUIS RODRIGUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 273-9627
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	7336
Affiliation Type:	Emergency Contact
Company Name:	SIXTY HAMILTON, LLC
Contact Type:	Not reported
Contact Name:	BEN SACHWARTZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 658-1300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Equipment Records:

H04 - Tank Leak Detection - Groundwater Well
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
H99 - Tank Leak Detection - Other
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I02 - Overfill - High Level Alarm
C01 - Pipe Location - Aboveground

Tank Info:

Tank Number:	002
Tank Id:	55699
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Install Date:	03/01/1991
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
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-207152
SWIS Code:	6401
Operator:	LUIS RODRIGUEZ
Facility Phone:	(718) 273-9627
Facility Addr2:	60 HAMILTON AVE
Facility Type:	APARTMENT BUILDING
Emergency:	BEN SACHWARTZ
Emergency Tel:	(718) 658-1300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	SIXTY HAMILTON, LLC
Owner Address:	141-50 85TH ROAD
Owner City,St,Zip:	BRIARWOOD, NY 11435
Federal ID:	Not reported
Owner Tel:	(718) 658-1300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	BEN SCHWARTZ
Mailing Name:	SIXTY HAMILTON, LLC
Mailing Address:	Not reported
Mailing Address 2:	141-50 85TH ROAD
Mailing City,St,Zip:	BRIARQOOD, NY 11378-5
Mailing Telephone:	(718) 520-1240
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

CLOSED-LACKOF RECENT INFO (Continued) **U001838309**

Certification Date:	01/05/1999
Expiration:	12/17/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	64
Town or City Code:	01
Region:	2
Tank ID:	002
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19910301
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:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	09
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

---

102 **CONTAMINATED SOIL** **NY HIST LTANKS** **S102555966**
South **260 BAY ST** **N/A**
1/4-1/2 **STATEN ISLAND, NY**
0.344 mi.
1817 ft.

Relative:
Lower

Actual:
25 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9700621
Spill Date:	04/14/1997
Spill Time:	09:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station

CONTAMINATED SOIL (Continued) **S102555966**

Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/14/97
Reported to Department Time:	15:47
SWIS:	64
Spiller Contact:	INACTIVE
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	LEAKING TANKS
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Local Agency
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/14/97
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	04/16/97
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE

CONTAMINATED SOIL (Continued) **S102555966**

Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: INACTIVE GAS STATION- CONTAMINATED SOIL -BEEN REMOVED UNTIL GROUNDWATER WAS HIT-TESTING DONE RESULTS PENDING

---

103 SW 1/4-1/2 0.399 mi. 2109 ft. | **GULF GASOLINE 149 VICTORY BLVD STATEN ISLAND, NY** | **NY HIST LTANKS** **NY Spills** | **S104278547** **N/A**

Relative: Higher

Actual: 95 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9909102
Spill Date: 10/27/1999
Spill Time: 09:22
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Gas Station
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: TIPPLE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 10/27/99
Reported to Department Time: 09:22
SWIS: 64
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Extention: Not reported
Spiller Name: GULF GASOLINE
Spiller Address: 149 VICTORY BLVD
Spiller City,St,Zip: STATEN ISLAND, NY
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: ( ) -
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /

GULF GASOLINE (Continued) **S104278547**

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/27/99
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 10/17/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: CALLER DOINF SITE WORK ON OLD STATION FOUND CONTAMINATED SOIL.

SPILLS:
Facility ID: 9909102
DER Facility ID: 225072
Facility Type: ER
Site ID: 276852
DEC Region: 2
Spill Number: 9909102
Spill Date: 10/27/1999
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: Not Closed
SWIS: 4301
Investigator: VXBREVDO
Referred To: NEED TO REVIEW 12/12/2008 INV REPORT
Reported to Dept: 10/27/1999
CID: 205
Water Affected: Not reported
Spill Source: Gasoline Station
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: True
Remediation Phase: 1
Date Entered In Computer: 10/27/1999
Spill Record Last Update: 12/16/2011

GULF GASOLINE (Continued) **S104278547**

Spiller Name: AZHAR CHAUDHRY
Spiller Company: GULF
Spiller Address: 149 VICTORY BLVD
Spiller City,St,Zip: STATEN ISLAND, NY -
Spiller Company: 001
Contact Name: CALLER
Contact Phone: Not reported
DEC Memo: 11/1/99 Received Site Investigation Report prepared by Cifron Environmental Svcs for Petroleum Technology. Eight 550gal USTs were excavated from 9/28/99-9/30/99. Tanks were each encased in concrete. Tanks appeared to be in good condition. 350 tons of contaminated soil was excavated to approx 11'bgs. Five post-ex samples taken (2' into native soils) and analyzed by 8260 plus MTBE. All returned above standard. Contaminated soils remain on site. Report recommends installation of three MWs.11/2/99at 10:40am LM on answering machine for francis onaga [private machine W/ male voice on tape]12/06/03 Transferred from Tipple to Foley.06/20/06: Re-assigned from Foley to Yau. (Yau)07/06/06: Prepared and sent a letter to the property owner requiring further delineation of soil and groundwater. A site investigation report is mandated by 08/20/06. (Yau)07/18/06: Letter was undeliverable to the address at 149 Victory Blvd., Staten Island, NY with attention to Haji N. chaudhry. (Yau)08/15/06: Called Chaudhry Cooperation at (718)727-8121 to speak to Haji. A.J., who works at the station now, said Haji no longer works here. I asked for Haji's mailing address. The address A.J. told me is the same as the one listed in the PBS registeration. I asked for Haji's fax number but A.J. doesn't know. A.J. gave me his fax number and I will fax the letter to him. A.J. will then try to get it to Haji. (Yau)10/16/06 Re-assigned from Yau to Chanda (Chanda)11/08/06: Kartik Chanda of DEC sent a letter to the property owner, requiring that further delineation of soil and groundwater be submitted to DEC for review. Therefore, a Site Investigation report is mandated by 12/15/06.12/21/06: Chanda called Chaudhry Corporation at (718)727-8121 and left a message regarding the site status and upto date report.12/26/06: Chanda sent a reminder letter to the property owner to informe him, this is the second and final chance for you to submit a site Investigation Report by February 26,2007.1/04/07: Letter was undeliverable to the address at 149 Victory Blvd.,Staten Island, NY with attention to Azhar M. Chaudhry. 1/09/07: Chanda resent the previous letter to the address;1261 Bronx River Drive Ave.,Bronx, NY 10472 with attention Azhar M. Chaudhry.This address collected from PBS resistration report.2/9/07: Leter was undeliverable to the address of 1261 Bronx River Ave., Bronx, NY 10472 with attention Azhar M. Chaudhry. 2/9/07: Chanda resent that letter to Jamil Properties Inc., 163 Ocean Avenue, Staten Island, NY 10305. This address collected from Property Shark Reports.3/12/07: Later was undeliverable to the address of Jamil Properties Inc., 163 Ocean Avenue, Staten Island, NY 10305.3/27/07: Based on Property Shark address. Kartik Chanda of DEC sent a letter to the Jamil Properties Inc., 151 Victory Blvd., Staten Island, NY 10301.5/2/07:Chanda received a letter from Bement Gas Corporation regarding this spill case by fax. The letter stated that presently Bement Gas Corp., is operating the gas station at 149 Victory blvd., Staten Island, NY. The Bement Gas Corp., is in the process of obtaining detail pertaining to the spill from the operator during 1999. Bement requested to DEC for time extension of submission of documentation for six months.5/2/07:Kartik Chanda of DEC spoke with

GULF GASOLINE (Continued) **S104278547**

T.S. Khela (Ph. 718-420-5100), manager, Bement Gas Corp., regarding this spill and present status of the site. He said that Azhar Chaudhary is the responsible person for this spill. He requested to send another letter attention Azhar Chaudhary, c/o: Bement Gas Corp. and give some time to submit the documentation related this spill case.5/2/07: Chanda sent a letter to Azhar Chaudhary (RP)and Jamil Properties Inc.(Property Owner), requiring that the following information be submitted to DEC for review by July 2, 2007.)1. Tank closure assessment report.2. Locations of tank and/or line test failure.3. Subsurface investigation report, including current and historical soil and groundwater analysis.4. Surrounding property sketch: A surrounding property sketch including property layout and usage must be submitted to NYSDEC. North arrow and scale must also be included on the site plan.7/2/07: Chanda received a letter with attached Tank removal affidavit, Location of (8)550-gallon USTs before removal, Site Plan and Invoice of contaminated soil disposal from T.S. Khela, Bement Gas Corp. on 7/2/07.The address of the Landlord:Jamil Properties, Inc.Azar M. Chaudary151 Victory Blvd.Staten Island, NY 103017/3/07: Chanda has reviewed all documents and the site investigation report prepared by Cifron Environmental Services, Inc., dated October 1999.The soil analytical results from soil borings SB-1 through SB-5 showed elevated levels of BTEX and MTBE. The levels of BTEX concentrations ranged from 10,480 ppb to 285,000 ppb. The soil samples exceed NYSDEC standards for Recommended Soil Cleanup Objective for gasoline contaminated soils.
Post-excavation soil sample results showed that all contaminated soil has not been excavated and removed from the site.Based on the above investigation report, the Department requires the following:1. Delineation of Soil and Groundwater Contamination both on-site and off-site.2. Surrounding Property Sketch.7/5/07: Chanda sent a letter to RP (Jamil Properties) and his Manager(T. S. Khela), requiring that a subsurface site investigation work plan be submitted to DEC for approval by July 25, 2007.8/6/07:Chanda called T.S.Khela and spoke with him regarding the investigation work plan. He told that he has a consultant (Mr. Rice, phone: 973-903-5820, Fax: 973-728-1918). The consultant will be contact to DEC regarding the schedule to submit an investigation work plan.Chanda spoke with Mr. Rice. Rice described his limitation, he requested that he need time extension to submit the work plan. The time extension letter will be submitted as soon as possible.9/7/07: Chanda received a letter from R & N Petroleum, Inc. (Ricky Fitzgerald) regarding the time extension to submit a site investigation work plan. Based on the reasons presented, the Department hereby grants the extension to October 14, 2007 to submit a subsurface investigation work plan to DEC for approval.11/2/07: Chanda spoke with T.S. Khela regarding the investigation report deadline at this site. He stated that the report is done, and it will be sent next Monday(November 5, 2007).11/15/07: Chanda called T.S. Khela(Manager) and Ricky Fitzgerald (R & N Petroleum) left message to call back.11/28/07: Chanda received a Remedial Investigation Report prepared by R&N Petroleum, Inc, dated October 25, 2007.12/11/07: Chanda has reviewed the Remedial Investigation Report and has the following comments:1. On 08/21/07, the investigation consisted of a series of (9) soil borings and (4) soil samples. GW was not encountered between 0' to 26' bgs. PID readings ranging from 0 to 418 ppm2. No GW samples could be obtained because of refusal on the geo-probe due to heavy shale layers at the site.3. The sample were analyzed via USEPA SW846 8260 for VOC+10,

GULF GASOLINE (Continued) **S104278547**

MTBE, and 8270 Semi-Volatile Organic Compound.12/12/07:Chanda did not find any VOCs data inside this report. Chanda called Ricky Fitzgerald (973-903-5820) regarding the VOCS analytical data. He stated that he is outside his office, but he will be call back within this week (12/12 to 12/14).1/23/08: Chanda received a letter from R & N Petroleum, Inc. (Ricky Fitzgerald) regarding a 90 day time extension to submit a site investigation report. Based on the reasons presented, the Department hereby grants one month extension to February 25, 2008 to submit a subsurface investigation report to DEC for review.1/30/08: Chanda received an extension request to submit the investigation report to March 31, 2008. The deadline extended to 3/31/08.3/14/08: Chanda received a phone call from EG & R Environmental Services (Mr.Kal Gill, Ph.732-690-0659). He stated that the EG & R Environmental retained this site to investigate the sub-surface at the site. He has a plan to send the work plan to DEC for review and approval.3/18/08: Chanda received a brief proposed work plan prepared by EG & R Environmental Services dated March 16, 2008. (see eDocs)3/26/08: Chanda has reviewed the investigation work plan and has the following comments:* The proposed boring location did not cover the plume area and center of the subject property.* This work plan is not complied the previous investigation results, dated October 1999.Chanda discussed with the consultant for the above comments and request to submit a revised work plan with new soil boring location.4/17/08: Chanda received the following email from Kal Gill (Consultant):"Today at 4:20 pm, EG&R recived a digital copy of report prepared by Site Investigation Report Prepared by Cifron Environmental in Oct 1999. I need about a week to send you revised sketch with new soil boring locations. This week is needed to review the report and arrange a site visit. I have also tentatively scheduled a field work date for April 29th. If you have any questions or concerns, please do not hesistate to call me."The Investigation Work Plan will be submitted to DEC by 4/25/08 for review and approval.5/5/08: Chanda received a Revised Investigation workplan from EG&R.5/12/08: Chanda has reviewed the investigation work plan (revised)dated May2, 2008. The Work Plan proposes five (5) soil boring locations around the UST area. DEC conditionally approved the work plan. The following conditions are:1. Three (3) soil boring sampling points should be added to the location around the Dispenser Island, as indicated on the attached site plan.2. Soil samples should be taken at each boring from a split spoon at a depth of every 5 feet down to 3-5 feet below the tank bottom. Additional samples should be collected at 10 feet interval at depth 10 feet below the tank bottom, to groundwater or bedrock, or 30 feet invert from tank bottom, whichever comes first. If groundwater is encountered, a minimum of one groundwater sample should be taken from each boring. The soil will be sampled continuously with a Photo Ionization Detector (PID). The deepest dry soil sample and the sample with the highest PID reading in each boring/well will be sent for EPA Method 8260 VOC/8270 SVOC analyses and the results will be sent to the Department. If contaminated soil extends to the water table, a monitoring well will be installed. 5/13/08: Chanda sent a letter to RP (Mr. Khela) and his consultant(Kulver Gill), requiring that an investigation summary report must be submitted to DEC by 6/25/08 for review and approval.8/18/08: Chanda received a summarized analytical results of soil and groundwater sample for this spill site. (see eDocs). The Subsurface investigation report will be submitted by 11/15/08.

Remarks: CALLER DOINF SITE WORK ON OLD STATION FOUND CONTAMINATED SOIL.

GULF GASOLINE (Continued) **S104278547**

Material:

Site ID:	276852
Operable Unit ID:	1087797
Operable Unit:	01
Material ID:	298197
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0206669
DER Facility ID:	225072
Facility Type:	ER
Site ID:	276851
DEC Region:	2
Spill Number:	0206669
Spill Date:	1/2/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/12/2003
SWIS:	4301
Investigator:	JXZHAO
Referred To:	Not reported
Reported to Dept:	9/27/2002
CID:	281
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	9/27/2002
Spill Record Last Update:	5/12/2003
Spiller Name:	Not reported

GULF GASOLINE (Continued) **S104278547**

Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	001
Contact Name:	CARL SULFARO
Contact Phone:	(718) 236-6369
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO/DEMEO"5/12/2003 - Spill number closed since no evidence of leakage.
Remarks:	CALLER RECIEVED NOTIFICATION FROM THE EPA AS A RESULT OF THEIR INSPECTION THAT THE AUTOMATIC TANK GAUGING SYSTEM FAILED AT ABOVE LOCATION. SYSTEM WAS REPAIRED AND HAVE SINCE PASSED INSPECTION.

Material:

Site ID:	276851
Operable Unit ID:	859337
Operable Unit:	01
Material ID:	517272
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:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

---

104 South 1/4-1/2 0.401 mi. 2115 ft. **STATEN ISLAND TRANSIT**
293 BAY ST
STATEN ISLAND, NY

NY LTANKS **S104516902**
NY HIST LTANKS **N/A**
NY Spills

Relative: Lower

Actual: 17 ft.

LTANKS:

Site ID:	384906
Spill No:	0704699
Spill Date:	7/26/2007
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.

STATEN ISLAND TRANSIT (Continued) **S104516902**

Spill Closed Dt:	6/27/2008
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	mctibbe
Referred To:	9914731
Reported to Dept:	7/26/2007
CID:	444
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:	7/26/2007
Spill Record Last Update:	6/27/2008
Spiller Name:	DON YARKZOWER
Spiller Company:	NYC TRANSIT YARD
Spiller Address:	293 BAY STREET
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	DON YARKZOWER
Spiller Phone:	(718) 876-8267
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	113620
DEC Memo:	08-02-07: Tibbe onsite for an old spill for this same tank. Tank system is being completely upgraded, except tank. While excavation and repair work is being done, investigation will be performed. Reassigned to Tibbe from Falvey.06-27-08: Spill investigated as part of older spill. Refered to 9914731. MCT
Remarks:	PBS No: 2-479829STAGE TWO LINE

Material:

Site ID:	384906
Operable Unit ID:	1142191
Operable Unit:	01
Material ID:	2132414
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	384906
Spill Tank Test:	1551031
Tank Number:	1
Tank Size:	4000
Test Method:	03
Leak Rate:	0

STATEN ISLAND TRANSIT (Continued) **S104516902**

Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	7/26/2007
Test Method:	Horner EZ Check I or II

Site ID:	213162
Spill No:	9914731
Spill Date:	3/29/2000
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.
Spill Closed Dt:	6/27/2008
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	MCTIBBE
Referred To:	NFA
Reported to Dept:	3/29/2000
CID:	270
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:	3/29/2000
Spill Record Last Update:	6/27/2008
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	SINGH
Spiller Phone:	(516) 293-6920
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	113620
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"03/29/05 - Transferred from Rommel to Tibbe.06/27/08: This spill was investigated along with 0706499, which pertains to the same tank. 9914731 pertains to a tank test failure that was ultimately determined to be a leak in a vent line. 0704699 pertains to a tank test failure that was determined to be a Stage Two line. The investigation consisted of three borings installed around the tanks and dispensers. Soil and GW samples were collected. VOC soil results were very minor to ND, but SVOC results were high for SB-1 and SB-3 at 320,200ppb and 640,700ppb, respectively. The boring logs noted that no odors or staining was encountered and the PID readings were low (4ppm) to ND. The boring logs also noted that the top 10 feet was fill material. GW was encountered at 10 feet. GW results for VOC and SVOC were very minor to ND. A supplimental investigation was performed to try to determine if the SVOC results were indicative of background contamination from the fill material. Two borings were performed 40+ feet from the area of concern. The boring logs did not

STATEN ISLAND TRANSIT (Continued) **S104516902**

note any odors or staining, and the PID readings ranged from 2ppm to ND. Two soil samples were taken from each boring at the interval that demostrated the most likely to be contaminated based on the PID reading. Soil results from SB-4 were ND for both samples but SB-5 had 38,110 ppb SVOC at the 5-7 foot interval with a corresponding 1ppm PID reading. SB-1 had 320,200ppb at 8-10 feet and a 4ppm PID reading and SB-3 had 640,700ppb at 8-10 feet and a 1ppm PID reading. Based on the lack of physical indications of contamination, no correltation between alaytical results and PID readings, fill material encountered from the surface to the water table, the lack of groundwater contamination, and the leak locations in non-product lines, it can be surmized that the SVOC contamination may be indicative of background fill contamination.

Remarks: NP COMMENTS

Material:

Site ID:	213162
Operable Unit ID:	1092668
Operable Unit:	01
Material ID:	293022
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:	213162
Spill Tank Test:	1548172
Tank Number:	Not reported
Tank Size:	2500
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

HIST LTANKS:

Region of Spill:	2
Spill Number:	9914731
Spill Date:	03/29/2000
Spill Time:	11:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /

STATEN ISLAND TRANSIT (Continued) **S104516902**

Cleanup Meets Standard:	False
Investigator:	ROMMEL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/29/00
Reported to Department Time:	11:56
SWIS:	64
Spiller Contact:	SINGH
Spiller Phone:	(516) 293-6920
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	( ) -
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	2-479829
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	03/29/00
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	03/29/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	2500
Test Method:	USTest 2000
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929

STATEN ISLAND TRANSIT (Continued) **S104516902**

DEC Remarks: Not reported
Spill Cause: NP COMMENTS

SPILLS:

Facility ID:	0110131
DER Facility ID:	113620
Facility Type:	ER
Site ID:	131873
DEC Region:	2
Spill Number:	0110131
Spill Date:	1/22/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	11/22/2002
SWIS:	4301
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	1/22/2002
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:	1/22/2002
Spill Record Last Update:	11/22/2002
Spiller Name:	Not reported
Spiller Company:	NYC TRANSIT
Spiller Address:	370 JAY ST
Spiller City,St,Zip:	BROOKLYN, NY 11201-
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"SPILL TO SOIL OCCURED DURING DELIVERY OF EQUIPMENT (TAMPER). SOIL EXCAVATED BY NYCT PERSONNEL UNTIL NO VISIBLE SIGNS OF CONTAMINATION EXISTS. EXCAVATED SOIL WAS DRUMMED AND PROPERLY DISPOSED OF.
Remarks:	pump failed on subway car. cleanup in progress.

Material:

Site ID:	131873
Operable Unit ID:	848622
Operable Unit:	01
Material ID:	527764
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25
Units:	Gallons
Recovered:	No

STATEN ISLAND TRANSIT (Continued) **S104516902**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

105
NW
1/4-1/2
0.412 mi.
2173 ft.

165 ST MARKS PL
165 ST MARKS PL
STATEN ISLAND, NY

NY LTANKS **S102560292**
NY Spills **N/A**
NY Hist Spills

Relative:
Higher

Actual:
103 ft.

LTANKS:

Site ID:	400394
Spill No:	0803628
Spill Date:	6/26/2008
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.
Spill Closed Dt:	7/2/2008
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4301
Investigator:	smsanges
Referred To:	Not reported
Reported to Dept:	6/26/2008
CID:	406
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:	6/26/2008
Spill Record Last Update:	7/2/2008
Spiller Name:	PHIL LAZIN
Spiller Company:	APARTMENT BLDG.
Spiller Address:	165 ST. MARKS PLACE
Spiller City,St,Zip:	STATEN ISLAND, NY
Spiller County:	001
Spiller Contact:	PHIL LAZIN
Spiller Phone:	(516) 375-5890
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	349678

165 ST MARKS PL (Continued) **S102560292**

DEC Memo: Cardinal Tank completed the repairs. He said the dry leak came from a stick line and an old levelometer gauge. These parts were removed and no contaminated soil was found.
Remarks: Tank is empty... dry portion leak. Recommend uncover, retest and recheck.

Material:
Site ID: 400394
Operable Unit ID: 1157222
Operable Unit: 01
Material ID: 2148239
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

Tank Test:
Site ID: 400394
Spill Tank Test: 2486384
Tank Number: 1
Tank Size: 25000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Watchdog
Last Modified: 6/26/2008
Test Method: Horner EZ Check I or II

SPILLS:
Facility ID: 9613326
DER Facility ID: 99159
Facility Type: ER
Site ID: 113633
DEC Region: 2
Spill Number: 9613326
Spill Date: 2/11/1997
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 2/25/1997
SWIS: 4301
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 2/11/1997
CID: 297
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False

165 ST MARKS PL (Continued) **S102560292**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/11/1997
Spill Record Last Update:	7/2/2004
Spiller Name:	HOWARD GOLDMAN
Spiller Company:	AMERADA HESS
Spiller Address:	1 HESS PLAZA
Spiller City,St,Zip:	WOODBRIDGE, NJ 07095-
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"CLEANED BY OIL CO.
Remarks:	THE OIL CAME OUT OF THE DOME COVER WHEN THE TRUCK WAS PARKED ON A HILL IFO ABOVE RESIDENCE

Material:

Site ID:	113633
Operable Unit ID:	1044768
Operable Unit:	01
Material ID:	338434
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9613326
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/11/1997 10:55

165 ST MARKS PL (Continued) **S102560292**

Reported to Dept Date/Time: 02/11/97 11:12
SWIS: 64
Spiller Name: AMERADA HESS
Spiller Contact: HOWARD GOLDMAN
Spiller Phone: (908) 750-6722
Spiller Address: 1 HESS PLAZA
Spiller City,St,Zip: WOODBRIDGE, NJ 07095-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/11/97
Date Spill Entered In Computer Data File: Not reported
Update Date: 02/13/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Remark: THE OIL CAME OUT OF THE DOME COVER WHEN THE TRUCK WAS PARKED ON A HILL IFO ABOVE RESIDENCE

106 WNW 1/4-1/2 0.447 mi. 2359 ft. | **52 CRESCENT AVENUE**
52 CRESCENT AVENUE
STATEN ISLAND, NY | **NY LTANKS**
NY HIST LTANKS | **S102672424**
N/A

Relative: Higher

Actual: 106 ft.

LTANKS:

Site ID:	278978
Spill No:	9314204
Spill Date:	3/3/1994
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.
Spill Closed Dt:	3/8/1994
Facility Addr2:	Not reported
Cleanup Ceased:	3/8/1994
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	3/4/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/10/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	BAYSIDE FUEL CO.
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:	226518
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"10/10/95: This is additional information about material spilled from the translation of the old spill file: WAS FILLED A WEEK AG.
Remarks:	OIL MAN WAS SUPPOSE TO TURN ON HEAT - NOT DELIVER OIL - BUT DELIV. OIL - WHICH WAS ALREADY FULL - OIL CO. PUT SOMETHING ON IT - WAS SUPPOSE TO CAME BACK LAST NIGHT? CALL BACK WANTED. SPOKE TO VICTOR A

Material:

Site ID:	278978
Operable Unit ID:	992514
Operable Unit:	01
Material ID:	389540
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100

52 CRESCENT AVENUE (Continued) **S102672424**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9314204
Spill Date:	03/03/1994
Spill Time:	15:00
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/08/94
Cleanup Ceased:	03/08/94
Cleanup Meets Standard:	True
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/04/94
Reported to Department Time:	15:31
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	BAYSIDE FUEL CO.
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 946-4000
Facility Extention:	Not reported
Spill Notifier:	Citizen
PBS Number:	Not reported

52 CRESCENT AVENUE (Continued) **S102672424**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/10/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 100
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: WAS FILLED A WEEK AG.
Spill Cause: OIL MAN WAS SUPPOSE TO TURN ON HEAT - NOT DELIVER OIL - BUT DELIV. OIL - WHICH WAS ALREADY FULL - OIL CO. PUT SOMETHING ON IT - WAS SUPPOSE TO CAME BACK LAST NIGHT? CALL BACK WANTED. SPOKE TO VICTOR A

Q107 **48 BROOK STREET** **NY LTANKS** **S101102972**
SW **48 BROOK STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **STATEN ISLAND, NY**
0.455 mi.
2401 ft. **Site 1 of 2 in cluster Q**

Relative:
Higher

Actual:
97 ft.

LTANKS:
Site ID: 279953
Spill No: 9400419
Spill Date: 4/10/1994
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.
Spill Closed Dt: 4/10/1994
Facility Addr2: Not reported
Cleanup Ceased: 4/10/1994
Cleanup Meets Standard: True
SWIS: 4301
Investigator: O'DOWD

48 BROOK STREET (Continued) **S101102972**

Referred To:	Not reported
Reported to Dept:	4/10/1994
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:	4/11/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	227293
DEC Memo:	Not reported
Remarks:	CUSTOMED TANK DEVELOPED LEAK - CISTGO CLEANED UP W/ SPEEDY DRY CUSTOMER WILL HAVE TANK REPAIRED.

Material:

Site ID:	279953
Operable Unit ID:	997910
Operable Unit:	01
Material ID:	387735
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	279953
Spill No:	9400419
Spill Date:	4/10/1994

48 BROOK STREET (Continued) **S101102972**

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.
Spill Closed Dt:	4/10/1994
Facility Addr2:	Not reported
Cleanup Ceased:	4/10/1994
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	4/10/1994
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:	4/11/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	227293
DEC Memo:	Not reported
Remarks:	CUSTOMED TANK DEVELOPED LEAK - CISTGO CLEANED UP W/ SPEEDY DRY CUSTOMER WILL HAVE TANK REPAIRED.

Material:

Site ID:	279953
Operable Unit ID:	997910
Operable Unit:	01
Material ID:	387735
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:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported

48 BROOK STREET (Continued) **S101102972**

Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	279953
Spill No:	9400419
Spill Date:	4/10/1994
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.
Spill Closed Dt:	4/10/1994
Facility Addr2:	Not reported
Cleanup Ceased:	4/10/1994
Cleanup Meets Standard:	True
SWIS:	4301
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	4/10/1994
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:	4/11/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	227293
DEC Memo:	Not reported
Remarks:	CUSTOMED TANK DEVELOPED LEAK - CISTGO CLEANED UP W/ SPEEDY DRY CUSTOMER WILL HAVE TANK REPAIRED.

Material:

Site ID:	279953
Operable Unit ID:	997910
Operable Unit:	01
Material ID:	387735
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No

48 BROOK STREET (Continued) **S101102972**

Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9400419
Spill Date: 04/10/1994
Spill Time: 13:45
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/10/94
Cleanup Ceased: 04/10/94
Cleanup Meets Standard: True
Investigator: O'DOWD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 04/10/94
Reported to Department Time: 13:53
SWIS: 64
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SAME
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended

48 BROOK STREET (Continued) **S101102972**

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/11/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: CUSTOMED TANK DEVELOPED LEAK - CISTGO CLEANED UP W/ SPEEDY DRY CUSTOMER WILL HAVE TANK REPAIRED.

Q108 **180 VICTORY BLVD. BROOK S** **NY LTANKS** **S106703096**
SW **180 VICTORY BLVD** **NY HIST LTANKS** **N/A**
1/4-1/2 **STATEN ISLAND, NY** **NY Spills**
0.462 mi.
2439 ft. **Site 2 of 2 in cluster Q**

Relative:
Higher

Actual:
96 ft.

LTANKS:
Site ID: 240598
Spill No: 8607073
Spill Date: 2/19/1987
Spill Cause: Tank Failure
Spill Source: Gasoline Station
Spill Class: Not reported
Spill Closed Dt: 2/19/1987
Facility Addr2: Not reported
Cleanup Ceased: 2/19/1987
Cleanup Meets Standard: True
SWIS: 4301
Investigator: TOMASELLO
Referred To: Not reported
Reported to Dept: 2/19/1987
CID: Not reported
Water Affected: NONE
Spill Notifier: Fire Department

180 VICTORY BLVD. BROOK S (Continued) **S106703096**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/23/1987
Spill Record Last Update:	7/19/2004
Spiller Name:	Not reported
Spiller Company:	WEST WIND PETROLEUM INC.
Spiller Address:	8 CHATHAM SQ.
Spiller City,St,Zip:	NEW YORK, NY 10038
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	182346
DEC Memo:	Not reported
Remarks:	RESIDENTIAL AREAS BEING MONITORED FOR FUMES. DEC RESPONDING. CALLED MPC TANK PUMPED FREE OF PRODUCT.

Material:

Site ID:	240598
Operable Unit ID:	903812
Operable Unit:	01
Material ID:	472607
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	500
Units:	Gallons
Recovered:	350
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	8607073
Spill Date:	02/19/1987
Spill Time:	15:15
Spill Cause:	Tank Failure
Resource Affectd:	In Sewer
Water Affected:	NONE

180 VICTORY BLVD. BROOK S (Continued) **S106703096**

Spill Source:	Gas Station
Spill Class:	Not reported
Spill Closed Dt:	02/19/87
Cleanup Ceased:	02/19/87
Cleanup Meets Standard:	True
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	02/19/87
Reported to Department Time:	16:35
SWIS:	64
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	WEST WIND PETROLEUM INC.
Spiller Address:	8 CHATHAM SQ.
Spiller City,St,Zip:	NEW YORK, NY 10038
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 273-3380
Facility Extention:	Not reported
Spill Notifier:	Fire Department
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/23/87
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	09/25/95
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	500
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	350
Unkonwn Quantity Recovered:	False
Material:	GASOLINE

180 VICTORY BLVD. BROOK S (Continued) **S106703096**

Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 09/25/95: ASSIGNED TO CHRIS FOR TRACKINMG PURPOSES.
Spill Cause: RESIDENTIAL AREAS BEING MONITORED FOR FUMES. DEC RESPONDING. CALLED MPC TANK PUMPED FREE OF PRODUCT.

SPILLS:
Facility ID: 9713781
DER Facility ID: 182346
Facility Type: ER
Site ID: 220454
DEC Region: 2
Spill Number: 9713781
Spill Date: 3/12/1998
Spill Cause: Housekeeping
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 11/9/1998
SWIS: 4301
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 3/12/1998
CID: 281
Water Affected: Not reported
Spill Source: Gasoline Station
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: 3/12/1998
Spill Record Last Update: 11/9/1998
Spiller Name: ROBERT FRANK
Spiller Company: VICTORY BLVD. MINI-MARKET
Spiller Address: 180 VICTORY BLVD.
Spiller City,St,Zip: STATEN ISLAND, NY 10301-
Spiller Company: 001
Contact Name: BOB FRANK
Contact Phone: (718) 351-2369
DEC Memo: Not reported
Remarks: CALLER WAS HIRED BY PROPERTY OWNER TO REMOVE TANKS. LOCATION ISA FORMER GAS STATION AND NOW OPERATES AS A STORE. PROPERTYWAS PURCHASED THROUGH FORECLOSURE UNKNOWN PREVIOUS OWNER. TANK VAULTS INTACT APPEARS TO BE A TANK FAILURE.

Material:
Site ID: 220454
Operable Unit ID: 1059735
Operable Unit: 01
Material ID: 324774
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported

180 VICTORY BLVD. BROOK S (Continued) **S106703096**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

R109
South
1/2-1
0.957 mi.
5055 ft.

Relative:
Lower

Actual:
8 ft.

PARCEL P15 - FRONT STREET **NY DEL SHWS** **S105973028**
N/A

STATEN ISLAND, NY 10304

Site 1 of 2 in cluster R

DEL SHWS:

Year:	#257-1998
Site Code Id:	243021
Site Classification:	Not reported
Region:	Not reported
Epa Id Number:	Not reported
Site Type - Dump:	No
Site Type - Structure:	No
Site Type - Lagoon:	No
Site Type - Landfill:	No
Site Type - Treat Pond:	No
Site Size (Acres):	Not reported
Site Size Comment:	Not reported
Period Assoc/HW Start:	Not reported
Period Assoc/HW End:	Not reported
Lat/Long:	Not reported
Lat/Long Decimal:	Not reported
Lat/Long (dms):	0 0 0.0 / 0 0 0.0
Hazardous Waste Code:	Not reported
Hazard Waste Disposed:	Not reported
Quantity:	Not reported
Air Data Available:	No
SW Std Contravention:	No
GW Std Contravention:	No
Soil Type:	Not reported
Sediment Data Available:	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions:	No
Legal Action Type:	Not reported

PARCEL P15 - FRONT STREET (Continued) **S105973028**

State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Not reported
HW Disposal Period:	Not reported
Analytical Data Available:	Not reported
Applicable Std Exceeded:	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Not reported
Confirmed HW:	Not reported
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	Not reported
NYTM Y:	Not reported
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported

PARCEL P15 - FRONT STREET (Continued) **S105973028**

Operator Addr 4: Not reported
HWDP From: Not reported
From To: Not reported
Assessment of Health: Not reported
Description: Not reported
Env Assessment: Not reported
HW Disposed/Quantity: LEAD (D008), UNKNOWN
Assess/Env Prog: PAST SITE OPERATIONS HAVE CONTAMINATED SOIL AND GROUNDWATER WITH HIGH LEVELS O LEAD. THE EXTENT OF GROUNDWATER CONTAMINATION IS UNKNOWN, BUT DRINKING WATER IS SUPPLIED BY UPSTATE RESERVOIRS, AND NO OTHER USES HAVE BEEN DOCUMENTED.
Assess/Health Prob: SOIL AND GROUNDWATER ARE CONTAMINATED WITH LEAD ABOVE APPLICABLE STANDARDS. EXPOSURE TO CONTAMINATED GROUNDWATER IS NOT EXPECTED SINCE PUBLIC WATER SERV THE AREA AND THE GROUNDWATER FLOWS TOWARD THE ATLANTIC OCEAN. EXPOSURE TO CONTAMINATED SOIL ISPOSSIBLE AS THERE IS EVIDENCE OF TRESPASSING.
Site Description: THE SITE IS SITUATED APPROXIMATELY 0.1 MILE WEST OF THE STAPLETON HOMEPORT (FORMER LOCATION OF THE NAVY NE SURFACE ACTION GROUP) AND IS LOCATED IN THE STAPLETON SECTION OF STATEN ISLAND, NEW YORK CITY. THE NAVY PURCHASED THE PROPERTIES ALONG FRONT STREET DURING THE 1980S IN ANTICIPATION OF MAKING THE AREA A PARKING LOT FOR HOMEPORT EMPLOYEES. SINCE THE HOMEPORT WAS DECOMMISSIONED PRIOR TO CONSTRUCTION OF THE LOTS, THE AREA WAS LEFT AS IS WITH VARIOUS BUILDINGS AND STRUCTURES REMAINING. IN AN EFFORT TO TRANSFER THE PROPERTIES, THE NAVY HAS INVESTIGATED ALL OF THE VACANT LOTS TO DETERMINE WHAT AREAS NEED FURTHER WORK (I.E. ADDITIONAL SAMPLING, CLEANUP, ETC.). PARCEL P15 WAS FORMERLY USED AS AN AUTO REPAIR SHOP AND HAS A VACANT TWO-STORY BUILDING O SITE. BEHIND THE BUILDING THERE IS A SMALL OPEN AREA. HEAVY STAINING WAS OBSERVED ON THE FIRST FLOOR OF THE BUILDING AS WELL AS ON THE GROUND SURFACE TO THE REAR. SUBSEQUENT SAMPLING REVEALED CONTAMINATION OF SOILS, GROUNDWATER AN BUILDING SURFACES WITH LEAD. A REMOVAL ACTION WAS UNDERTAKEN IN THE SPRING/SUMMER OF 1996 CONSISTING OF SOIL REMOVAL, SUMP REMOVAL, POWERWASHING BUILDING WALLS AND GENERAL DEBRIS REMOVAL. THE CLOSEOUT REPORT IS EXPECTED THIS SPRING

R110
South
1/2-1
0.958 mi.
5059 ft.

PARCEL P15 - FRONT STREET **NY SHWS** **S106905136**
44 CANAL STREET **N/A**
STATEN ISLAND, NY 10304

Site 2 of 2 in cluster R

Relative:
Lower

Actual:
8 ft.

SHWS:
Program: HW
Site Code: 55937
Classification: COMPLETED
Region: 2
Acres: .050
HW Code: 243021
Record Add: 11/18/1999
Record Upd: 01/11/2008
Updated By: JAAVERSA
Site Description: The site is situated approximately 0.1 mile west of the Stapleton Homeport (former location of the Navy NE Surface Action Group) and is located in the Stapleton Section of Staten Island, New York City. The Navy purchased the properties along Front Street during the 1980s in anticipation of making the area a parking lot for Homeport employees. Since the Homeport was decommissioned prior to construction of the lots, the area was left with various buildings and structures remaining. In an effort to transfer the properties, the Navy has investigated all of the vacant lots to determine what areas need further work (i.e. additional sampling, cleanup, etc.). Parcel P15

PARCEL P15 - FRONT STREET (Continued) **S106905136**

	was formerly used as an auto repair shop and has a vacant two-story building on site. Behind the building there is a small open area. Heavy staining was observed on the first floor of the building as well as on the ground surface to the rear. Subsequent sampling revealed contamination of soils, groundwater and building surfaces with lead. A Removal Action was undertaken in the Spring/Summer of 1996 consisting of soil removal, sump removal, powerwashing building walls and general debris removal. Confirmatory samples show that the levels of lead remaining on-site (which are beneath 1 - 6' of clean fill) are non-hazardous. Further excavation to remove the remaining soils with elevated lead levels was not possible due to the partial collapse of an adjacent building.
Env Problem:	The primary contaminant of concern at this site was lead, in soil and groundwater, and on building surfaces. A removal action conducted at the site has removed all hazardous waste.The site is not a significant environmental threat and was delisted from the Registry.
Health Problem:	On-site soil and groundwater were contaminated with lead. Contaminated soils were excavated and confirmatory samples indicated that the levels of lead remaining in on-site soils are nonhazardous. Exposure to contaminated groundwater is not expected since public water serves the area, and the groundwater flows toward the Atlantic Ocean.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	unknown
Disp Term:	unknown
Lat/Long:	40:37:30:0 / 74:04:25:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	Owner
Sub Type:	D
Owner Name:	DEBBIE FELTON
Owner Company:	US NAVY NORTHERN DIV., NAVFAC ENGCOM
Owner Address:	10 INDUSTRIAL HIGHWAY, MAIL STOP 82
Owner Addr2:	Not reported
Owner City,St,Zip:	LESTER, PA 191132090
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	D
Owner Name:	Not reported
Owner Company:	UNKNOWN3
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	US Navy-Northern Div.- NAVFAC ENGCOM
Owner Address:	10 Industrial Highway - Mailstop 82
Owner Addr2:	Not reported
Owner City,St,Zip:	Lester, ZZ

PARCEL P15 - FRONT STREET (Continued) **S106905136**

Owner Country:	United States of America
HW Code:	243021
Waste Type:	LEAD (D008)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

City	EDR ID	Site Name	Site Address	Zip	Database(s)
STATEN ISLAND	1007206388	CONSOLIDATED EDISON	RT 140 & VICTORY BLVD		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S107787851	CATS MEOW	21ST SEAVER AVE & RICHMOND R		NY Spills
STATEN ISLAND	S110540096	MOBILE GAS STATION	248TH BAY ST & HANNAH ST		NY Spills
STATEN ISLAND	S108638566	VERRAZANO BRIDGE	RT 287		NY Spills
STATEN ISLAND	S102402071	POLE 22	426TH UNION PL & BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102143451	RT 440	RT 440		NY Spills, NY Hist Spills
STATEN ISLAND	S106384661	OUTERBRIDEG CROSSING	RT 440 N		NY Spills
STATEN ISLAND	S102663282	FRESHKILLS LANDFILL	RT 440		NY Spills, NY Hist Spills
STATEN ISLAND	1004761601	NYSDOT REG 2 FIELD OFFICE	RT 440N		RCRA-NonGen, FINDS, NY MANIFES
STATEN ISLAND	1001224218	MTA NYCT - ST GEORGE STATION - SIR	5TH RICHMOND TER & SCHUYLER ST	10301	RCRA-NonGen, FINDS
STATEN ISLAND	1007371312	NYSDOT D259509 FIELD OFFICE	909TH CX & CONNECTOR RICHMOND		RCRA-LQG, NY MANIFEST, NJ MANIFEST
STATEN ISLAND	S102145348	ARTHUR KILL R/KILL VAN KU	ACROSS FROM NEWARK BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S106868134	POLE#31997	AMBOY ROAD RICHMOND AVE		NY Spills
STATEN ISLAND	S102240495	ARDEN AVE/RICHMOND PKWY	ARDEN AVE & RICHMOND PKWY		NY Spills, NY Hist Spills
STATEN ISLAND	S103560460	IN ARTHUR KILL BAY 20	IN ARTHUR KILL BAY 20		NY Spills, NY Hist Spills
STATEN ISLAND	U003644535	RAINBOW LINEN	465 BAY STREET	10304	NY HIST UST
STATEN ISLAND	S102143744	BAY STREET SHORELINE	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102143640	BAY ST-STAPLETON STA	BAY SAINT STAPLETON STA		NY Spills, NY Hist Spills
STATEN ISLAND	S102144117	BAY ST MARINA	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102142920	BAY ST/FORT WADSWORTH	BAY ST & FT WADSWORTH		NY Spills, NY Hist Spills
STATEN ISLAND	S102235237	STAPLETON ANCHORAGE	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102142951	BAY ST LDG/HANNA ST	BAY ST LDG & HANNA ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102143543	BAY STREET	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S104195177	BAY ST COOLING PLANT	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S104881241	UPPER NEW YORK BAY	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S103571446	VESSEL ANCHORAGE	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S110611471	NARROWS HARBOR (STATEN ISLAND FERR	BAY ST AND RICHMOND TER		NY Spills
STATEN ISLAND	S105141379	RICHMOND CO BANK BALL PK	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S111011011	CON EDISON VEHICLE 50727	BAY ST		NY Spills
STATEN ISLAND	S107657733	LYNHURST AVE BETWEEN	BAY ST & TOMPKINS ST		NY Spills
STATEN ISLAND	1007205637	BELL ATLANTIC-NY	BAY & CONGRESS STS		RCRA-NonGen
STATEN ISLAND	1007252091	BELL ATLANTIC-NY	BAY & CONGRESS STS		FINDS, NY MANIFEST
STATEN ISLAND	1014919790	MTA NYCT - TOMPKINSVILLE STATION -	BAY ST & VICTORY BLVD	10301	RCRA-SQG
STATEN ISLAND	S102142768	BAY ST NR CADDELLS DOCK	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102143246	BAY ST.	BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102143060	BAY ST/U S NAVAL STATION	BAY ST & USHY NAVAL STA		NY Spills, NY Hist Spills
STATEN ISLAND	S102663678	BEEMAN AVE & RICHMOND TER	BEEMAN AVE & RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	S102141887	EMPTY LOT-THOMPSON ST/SI	BROAD BAY WRIGHT STS		NY Spills, NY Hist Spills
STATEN ISLAND	S106698963	LAKE AVE	BTN WALKER ST & RICHMOND		NY Spills
STATEN ISLAND	1009234567	NYSDEC	CLAY PIT POND STATE PARK		NY MANIFEST
STATEN ISLAND	S104787826	KILLVAN CULL	CROSS OF RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	S104648235	163-01 CROSS BAY BLVD	163 CROSS BAY BLVD		NY Spills, NY Hist Spills

City	EDR ID	Site Name	Site Address	Zip	Database(s)
STATEN ISLAND	1000483440	BARGE 210 AND BERMAN NATHAN	N FIXED ADDRESS	10301	CERCLIS, FINDS, PRP
STATEN ISLAND	S108638108	ONE QT LEAK FROM ARIEL CABLE JOINT	FORREST & RICHMOND HILL RD		NY Spills
STATEN ISLAND	S110540175	NYCTA MOTOR OIL SEWER	FORT RICHMOND AVE & CHARLES A		NY Spills
STATEN ISLAND	S108764245	GETTY 561	387 FORT RICHMOND AVE		NY Spills
STATEN ISLAND	1007205261	WAYNE CLOSI	FRESH KILLS MUNICIPAL RAMP	10301	RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S104953229	PM 1009	GARDENIA LN & RICHMOND HL		NY Spills, NY Hist Spills
STATEN ISLAND	U003764791	NYC DEPT. OF PARKS & RECREATION	GEORGE CROMWELL RECREATION CTR	10301	NY UST, NY HIST UST
STATEN ISLAND	S102144074	ST GEORGE MARINA	ST GEORGE MARINA		NY Spills, NY Hist Spills
STATEN ISLAND	1001197415	C S X TRANSPORTATION	ST GEORGE RAILYARD	10304	RCRA-NonGen, FINDS
STATEN ISLAND	S107658202	POLE 21604	HIGHLAND BLVD & RICHMOND AVE		NY Spills
STATEN ISLAND	S102238913	STAPLETON ANCHORAGE	HUDSON BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S106468567	BUS # 6161	INTER RICHMOND & FRANKLIN		NY Spills
STATEN ISLAND	S110752310	INTERSECTION OF RICHMOND RD AND LI	INTERSECTION OF RICHMOND RD AN		NY Spills
STATEN ISLAND	S103485184	INBOUND VARAZANO NARROWS	LOWER NEW YORK BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S102148789	OLD ORCHARD SCHOOL LIGHT	LOWER BAY OLD ORCH		NY Spills, NY Hist Spills
STATEN ISLAND	S102141169	LOWER NY BAY	LOWER NEW YORK BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S109372678	ARTHUR KILL WATERWAY	NASSAU ST & RICHMOND VALLEY R		NY Spills
STATEN ISLAND	S102143713	NEAR NEW YORK UPPER BAY	NEAR NEW YORK UPPER BAY		NY Spills, NY Hist Spills
STATEN ISLAND	1009241593	CONSOLIDATED EDISON	NEW LANE BAY ST	10301	NY MANIFEST
STATEN ISLAND	S109155694	CONSOLIDATED EDISON	NEW LN & BAY STREET MH7711		NY MANIFEST
STATEN ISLAND	S102141232	NEWARK BAY/WEST BAYONNE	NEWARK BAY & W BAYONNE		NY Spills, NY Hist Spills
STATEN ISLAND	S102147731	NEWARK BAY - ARTHUR KILL	NEWARK BAY ARTHUR KILL		NY Spills, NY Hist Spills
STATEN ISLAND	1012184935	CON EDISON	NICHOLAS ST & RICHMOND TER MA	10301	RCRA-CESQG
STATEN ISLAND	1007207355	CONSOLIDATED EDISON	VS305 NYATT ST & STUYVESANT		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S102143764	OFF BAY STREET	OFF BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	1009234701	L & L PAINTINT	OUTERBRIDGE XING & RT 440		NY MANIFEST
STATEN ISLAND	S109582379	PAD # 9152 1772 FOREST AVE/ RICHMO	PAD AVE & RICHMOND AVE		NY Spills
STATEN ISLAND	S102147321	PIER US NAVY	PIER NAVY USHY		NY Spills, NY Hist Spills
STATEN ISLAND	S109375529	NYSDOT BIN 1067770	PKWY RAMP RICHMOND D259509 FLD		NY MANIFEST
STATEN ISLAND	S108296736	REGULATOR PR37	PORT RICHMOND AVE & RICHMON		NY Spills
STATEN ISLAND	S106009145	VAN RIPPER ST &	PORT RICHMOND AVE		NY Spills
STATEN ISLAND	S107787090	ROADWAY	PORT RICHMOND AVE & CASTLE		NY Spills
STATEN ISLAND	S108296706	RAW SEWAGE	PORT RICHMOND AVE		NY Spills
STATEN ISLAND	S109064580	BELL ATLANTIC-NY	PORT RICHMOND AVE & RAINBOW M		NY MANIFEST
STATEN ISLAND	S108466423	REGULATOR 37	PORT RICHMOND AVE & RICHMON		NY Spills
STATEN ISLAND	S102144268	PORT RICHMOND / STATEN IS	PRT RICHMOND		NY Spills, NY Hist Spills
STATEN ISLAND	1009240527	CONSOLIDATED EDISON	PRT RICHMOND S & S 15TH PARK		NY MANIFEST
STATEN ISLAND	1007371363	NYSDOT FIELD OFFICE	RAMP TO WSE CSB & 440 TO I270		RCRA-LQG, NY MANIFEST, NJ MANIFEST
STATEN ISLAND	S102141257	RARITAN BAY/BUOY MARK #14	RARITAN BAY & BUOY MARK		NY Spills, NY Hist Spills
STATEN ISLAND	S102141258	RARITAN BAY/BUOY MARK #14	RARITAN BAY & BUOY MARK		NY Spills, NY Hist Spills
STATEN ISLAND	1014926450	CON EDISON EXCAVATION 1	2319 RICHMOND TER	10301	RCRA-NonGen
STATEN ISLAND	S111159066	POLE 32921	RICHMOND RD AND VISTA PL		NY Spills
STATEN ISLAND	S102143082	RICHMOND TER/HOWLAND HOOK	RICHMOND TER & HOWLAND HOOK		NY Spills, NY Hist Spills
STATEN ISLAND	S104509961	ROCKLAND AVE+	RICHMOND RD		NY Spills, NY Hist Spills
STATEN ISLAND	S104880685	PENN YARD	RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	S104193303	POLE #10342	RICHMOND TER		NY Spills, NY Hist Spills

City	EDR ID	Site Name	Site Address	Zip	Database(s)
STATEN ISLAND	S102151095	CADDELLS SHIPYARD	RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	U003127435	GASETERIA TARGEE	1098 RICHMOND RD	10304	NY HIST UST
STATEN ISLAND	S104652208	MAN HOLE 331	RICHMOND TER S		NY Spills, NY Hist Spills
STATEN ISLAND	S104193871	NEWBURY AV	RICHMOND RD		NY Spills, NY Hist Spills
STATEN ISLAND	S104650933		RICHMOND AVENUE PROL PL		NY Spills, NY Hist Spills
STATEN ISLAND	S104951367		RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	S104652842	POLE 14142	RICHMOND RD		NY Spills, NY Hist Spills
STATEN ISLAND	S104879863	GREAT KILLS HARBOR	RICHMOND MARINA CORD		NY Spills, NY Hist Spills
STATEN ISLAND	S103483812	CADELL DRY DOCKS	RICHMOND TERRANCE		NY Spills, NY Hist Spills
STATEN ISLAND	S105056232	CADDELL'S DRY DOCK	RICHMOND TER		NY Spills, NY Hist Spills
STATEN ISLAND	S105235157	RICHMOND CREEK WATERWAY	RICHMOND CRK		NY Spills, NY Hist Spills
STATEN ISLAND	S106703229	CLOSED-LACKOF RECENT INFO	1725 RICHMOND TERRACE RD		NY HIST LTANKS
STATEN ISLAND	U004062081	BOROUGH HALL STATEN ISLAND	10 RICHMOND TERRACE BOROUGH PL	10301	NY UST, NY AST
STATEN ISLAND	1009234966	COASTAL PIPELINE @ PORT IVORY	RICHMOND TER & KILL VAN KULL		NY MANIFEST
STATEN ISLAND	1009242265	CONSOLIDATED EDISON	RICHMOND & YUKON AVES MH4137	10301	NY MANIFEST
STATEN ISLAND	1009232487	NEW YORK TELEPHONE COMPANY	RICHMOND HILL RD		NY MANIFEST
STATEN ISLAND	S108130863	MANHOLE # 83	RICHMOND TER		NY Spills
STATEN ISLAND	1014397693	CON EDISON	RICHMOND RD & NARROWS RD	10304	RCRA-CESQG
STATEN ISLAND	S110750312	220312; RICHMOND TERRACE	RICHMOND TER		NY Spills
STATEN ISLAND	S106006256	PUMP STATION	RICHMOND HILL RD		NY Spills
STATEN ISLAND	S106868372	STATEN ISLAND FERRY TERMI	RICHMOND AVE		NY Spills
STATEN ISLAND	S107407274	FOOT OF BORADWAY	RICHMOND TER		NY Spills
STATEN ISLAND	S106968880	GOLF COURSE	RICHMOND HILL RD		NY Spills
STATEN ISLAND	S107416890	AMOCO	RICHMOND RD & NARROWS R		NY LTANKS
STATEN ISLAND	S107407913	OLD GSX TERMINAL	RICHMOND AVE		NY Spills
STATEN ISLAND	S106001159	POLE # 31881	RICHMOND AVE & RICHMOND HIL		NY Spills
STATEN ISLAND	S106001347	RICHMOND HILL RD PMP STA	RICHMOND HILL RD & AVE		NY Spills
STATEN ISLAND	S108130817	MANHOLES 80 & 81 & 79	RICHMOND TER & SI RPD		NY Spills
STATEN ISLAND	S107658261	MCALLISTER YARD	RICHMOND TER		NY Spills
STATEN ISLAND	1007208069	CONSOLIDATED EDISON	MH9011 RICHMOND TER & BAY ST		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S109205559	PORT RICHMOND PLANT	RICHMOND TER & BODINE S		NY Spills
STATEN ISLAND	S108762600	KEYSPAN	RICHMOND TER & JOHN S		NY Spills
STATEN ISLAND	1008195633	CONSOLIDATED EDISON	RICHMOND YUKON AVES MH4137	10301	RCRA-NonGen, NY MANIFEST
STATEN ISLAND	1008195717	CONSOLIDATED EDISON	RICHMOND TER & VAN ST MH82	10301	RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S108982472	SEWER TREATMENT PLANT	RICHMOND TER		NY Spills
STATEN ISLAND	S109064299	NYC DEP	RICHMOND TER		NY LTANKS
STATEN ISLAND	S109064584	BELL ATLANTIC-NY	RICHMOND RD & BUEL AVE MH		NY MANIFEST
STATEN ISLAND	S109064585	BELL ATLANTIC-NY	RICHMOND TER & JOHN ST MH		NY MANIFEST
STATEN ISLAND	S109064586	BELL ATLANTIC-NY	RICHMOND & WILSON AVES		NY MANIFEST
STATEN ISLAND	S108637337	MORAN SHIP YARD	RICHMOND TER		NY Spills
STATEN ISLAND	A100321688	BAYRIDGE MOTORS INC	1869 RICHMOND TERACE	10301	NY AST
STATEN ISLAND	1007205439	BELL ATLANTIC-NY	RICHMOND & OLD TOWNS RDS		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S109828982	BUS 6253	RICHMOND AVE & JEWEL DR		NY Spills
STATEN ISLAND	S109828476	WATER POLLUTION PLANT	1801 RICHMOND TERRRACE		NY Spills
STATEN ISLAND	1012184937	CON EDISON	200 RICHMOND TER	10301	RCRA-CESQG
STATEN ISLAND	S111456925	ON DEP PROPERTY	RICHMOND AVE AND DOCK RD		NY Spills
STATEN ISLAND	S110138032	CONSOLIDATED EDISON	RICHMOND RD & NARROWS RD MH	10301	NY MANIFEST

City	EDR ID	Site Name	Site Address	Zip	Database(s)
STATEN ISLAND	1010327919	NYC DDC CONTRACT RED-354 RECONSTRU	RICHMOND & NARROWS RD N	10301	RCRA-NonGen
STATEN ISLAND	S102144599	RICHMOND HILL RD./ PUMPIN	RICHMOND HL		NY Spills, NY Hist Spills
STATEN ISLAND	S102144613	RICHMOND HILL PUMP STATIO	RICHMOND HL		NY Spills, NY Hist Spills
STATEN ISLAND	S102239700	JULES DR AND	RICHMOND AVE		NY Spills, NY Hist Spills
STATEN ISLAND	S102239923	RICHMOND HILL RD STATION	RICHMOND HILL RD		NY Spills, NY Hist Spills
STATEN ISLAND	S102560593	RICHMOND AVE & RICHMOND H	RICHMOND AVE & RICHMOND H		NY Spills, NY Hist Spills
STATEN ISLAND	S102238852	CITGO GAS STATION	RICHMOND AVENUE NEAR KNAPP ST		NY Spills, NY Hist Spills
STATEN ISLAND	S102239857	PUMPING STATION	RICHMOND HILL RD		NY Spills, NY Hist Spills
STATEN ISLAND	1003864489	STATEN ISLAND WAREHOUSE	RICHMOND TERRACE	10301	CERC-NFRAP
STATEN ISLAND	S102143124	ST GEORGE FERRY TERM	SAINT GEORGE TERM & BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	A100361249	STATEN ISLAND FERRY	SAINT GEORGE FRY	10301	NY AST
STATEN ISLAND	S103483804	STAPLTON ANCHORAGE	SAINT GEORGE FRY		NY Spills, NY Hist Spills
STATEN ISLAND	S112139447	NYCDOT GEORGES FERRY TERMINAL	SAINT GEORGE SI FRY	10301	NY MANIFEST
STATEN ISLAND	A100354067	STATEN ISLAND FERRY	SAINT GEORGE FRY	10301	NY AST
STATEN ISLAND	1008195757	CONSOLIDATED EDISON	SAINT GEORGE SUB STA	10301	RCRA-NonGen, NY MANIFEST
STATEN ISLAND	1008195758	CONSOLIDATED EDISON	SAINT GEORGE S & S		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	1008195759	CONSOLIDATED EDISON	42 SAINT GEORGE SUBSTATION		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S110541089	NYCDOT STATEN ISLAND FERRIY	SAINT GEORGE FRY	10301	NY MOSF
STATEN ISLAND	S108295107	MANHOLE #38	SIRT RIGHT OF WAY & RICHMOND		NY Spills
STATEN ISLAND	1014918895	CON EDISON MANHOLE M-38	SIRT & SAINT GEORGE FRY	10301	RCRA-NonGen
STATEN ISLAND	1007208573	CONSOLIDATED EDISON	MH42 SIRTROW E & O STUYVESANT		RCRA-NonGen, NY MANIFEST
STATEN ISLAND	S111012171	SHEEN IN WATER	SLIP SAINT GEORGE TERMINAL		NY Spills
STATEN ISLAND	S109062138	ROADWAY	STATE ST & BRIITTON ST		NY Spills
STATEN ISLAND	S102142839	STATEN ISLAND,RICHMOND CT	STATEN ISLAND RICHMOND CT		NY Spills, NY Hist Spills
STATEN ISLAND	1007264884	NYSDOT D259509 FIELD OFFICE	STATEN ISL EXPY & RICHMOND AV		RCRA-LQG, NY MANIFEST, NJ MANIFEST
STATEN ISLAND	S110308569	ROADWAY	STATEN ISLAND EXPY AT RICHMOND		NY Spills
STATEN ISLAND	1009237932	CONSOLIDATED EDISON	V7114 STUYVESANT PL & SCHUYLE		NY MANIFEST
STATEN ISLAND	1009237940	CONSOLIDATED EDISON	V9085 STUYVESANT PL & SCHUYLE		NY MANIFEST
STATEN ISLAND	S104648308		TOBT HILL RD & RICHMOND R		NY Spills, NY Hist Spills
STATEN ISLAND	S109064598	BELL ATLANTIC-NY	UNION & BAY STS		NY MANIFEST
STATEN ISLAND	S102148638	UPPER NEW YORK BAY	UPPER NEW YORK BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S102149595	STAPLETON ANCHORAGE	UPPER BAY NY HBR		NY Spills, NY Hist Spills
STATEN ISLAND	S103238968	STAPLETON ANCHORAGE	UPPER NEW YORK BAY		NY LTANKS, NY HIST LTANKS
STATEN ISLAND	S110243558	DRILL - ST GEORGE TARRYTOWN BAY	UPPER NY BAY		NY Spills
STATEN ISLAND	S102142610	UPPER NY BAY	UPPER NEW YORK BAY		NY Spills, NY Hist Spills
STATEN ISLAND	S102143119	FT WADSWORTH NAVAL STATIO	FT WADSWORTH & BAY ST		NY Spills, NY Hist Spills
STATEN ISLAND	S110769471	MAN HOLE 9154	WHALLEY AVE AND STUYVESANT ST		NY Spills
STATEN ISLAND	S110769472	MAN HOLE 9155	WHALLEY AVE AND STUYVESANT ST		NY Spills
STATEN ISLAND	S108057844	MANHOLE 7115	WILD AVE & RT 440 S		NY Spills
STATEN ISLAND	S105841962	M. QUINTAVALLE TREE SERVICE; INC.	WINANT PL		NY SWF/LF

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: 06/07/2012
Date Data Arrived at EDR: 07/05/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2012
Next Scheduled EDR Contact: 01/21/2013
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: 06/07/2012
Date Data Arrived at EDR: 07/05/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2012
Next Scheduled EDR Contact: 01/21/2013
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 10/11/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/21/2013
	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: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/11/2013
	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: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/09/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/21/2013
	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: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

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: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
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: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

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: 04/17/2012
Date Data Arrived at EDR: 05/31/2012
Date Made Active in Reports: 06/27/2012
Number of Days to Update: 27

Source: New Jersey Department of Environmental Protection
Telephone: 609-292-8761
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NY VAPOR REOPENED: Vapor Intrustion 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: 05/01/2012
Date Data Arrived at EDR: 05/23/2012
Date Made Active in Reports: 07/03/2012
Number of Days to Update: 41

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 08/24/2012
Next Scheduled EDR Contact: 12/03/2012
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: 10/10/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
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: 10/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 609-984-6741
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 08/20/2012
Date Data Arrived at EDR: 08/23/2012
Date Made Active in Reports: 10/05/2012
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 02/11/2013
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: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

NY TANKS: Storage Tank Faciliy 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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 09/24/2012
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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: Varies

NY AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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 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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

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: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

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: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

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: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

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: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

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: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 09/06/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NY INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 09/06/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/28/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: No Update Planned

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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Semi-Annually

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: 10/18/2010
Date Data Arrived at EDR: 11/22/2010
Date Made Active in Reports: 01/07/2011
Number of Days to Update: 46

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
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: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 09/19/2012
Date Data Arrived at EDR: 09/21/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 609-292-1251
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

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: 10/24/2012
Date Data Arrived at EDR: 10/26/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 10

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NY SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 10/10/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Semi-Annually

NY SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 10/26/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

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: 08/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 609-984-6650
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
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: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
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: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/14/2012
Number of Days to Update: 24

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

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: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

NY LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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 discharged 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: 08/28/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
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: 08/20/2012
Date Data Arrived at EDR: 08/23/2012
Date Made Active in Reports: 10/05/2012
Number of Days to Update: 43

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/20/2012
Next Scheduled EDR Contact: 03/04/2013
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
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2012
Next Scheduled EDR Contact: 02/18/2013
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: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
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: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 06/01/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2012
Next Scheduled EDR Contact: 01/14/2013
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: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
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
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

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: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
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: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: Every 4 Years

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
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
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

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: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
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: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
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: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/21/2013
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: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
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.

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

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: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
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: 09/07/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/04/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

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: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
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: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
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: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

NY DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 06/20/2012
Date Data Arrived at EDR: 07/16/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 52

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

NJ DRYCLEANERS: Drycleaner List
A listing of registered drycleaners.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 609-292-2795
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 02/25/2013
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: 10/23/2012
Date Data Arrived at EDR: 10/24/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: No Update Planned

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 Sytem dischargers.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 18

Source: Department of Environmental Protection
Telephone: 609-984-4428
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

NY AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

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: 10/11/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 8

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 10/29/2012
Next Scheduled EDR Contact: 01/07/2013
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: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
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.

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: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

NY COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/10/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/19/2012
Number of Days to Update: 39

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Varies

NY FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 10/05/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

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: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

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: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
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: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated 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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: N/A

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

NJ FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 08/07/2012
Date Data Arrived at EDR: 08/30/2012
Date Made Active in Reports: 09/24/2012
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

NJ COAL ASH: Coal Ash Listing

Coal combustion survey ash listing.

Date of Government Version: 05/10/2010
Date Data Arrived at EDR: 05/12/2010
Date Made Active in Reports: 06/28/2010
Number of Days to Update: 47

Source: Department of Environmental Protection
Telephone: 609-984-6985
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/04/2012
Number of Days to Update: 22

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/07/8062
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/04/2012
Number of Days to Update: 22

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/07/8062
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
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: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
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: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
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: 10/11/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/14/2012
Number of Days to Update: 33

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 10/11/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/14/2012
Number of Days to Update: 33

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
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: 08/20/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
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: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 08/09/2012
Date Data Arrived at EDR: 08/15/2012
Date Made Active in Reports: 09/13/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

WI 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: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
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.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

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 and 2005 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

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LIGHTHOUSE PROJECT
5 BAY STREET
STATEN ISLAND, NY 10301

TARGET PROPERTY COORDINATES

Latitude (North):	40.6419 - 40˚ 38' 30.84''
Longitude (West):	74.0751 - 74˚ 4' 30.36''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	578207.6
UTM Y (Meters):	4499205.5
Elevation:	36 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981

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).

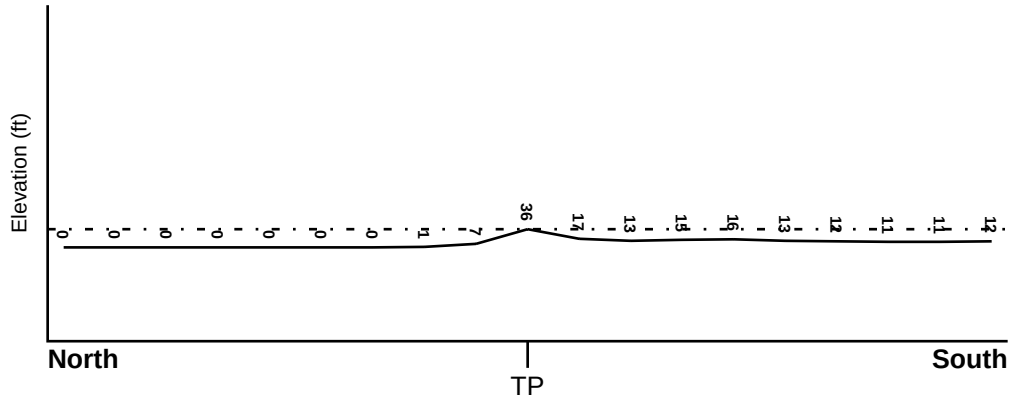
TOPOGRAPHIC INFORMATION

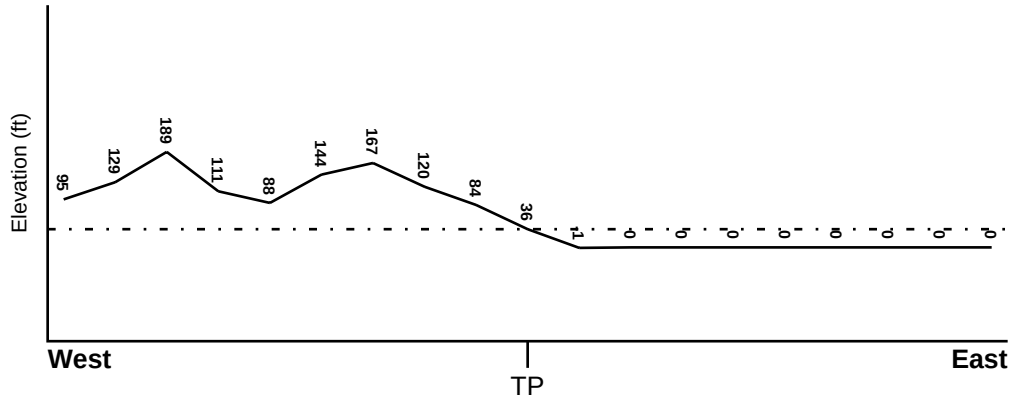
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

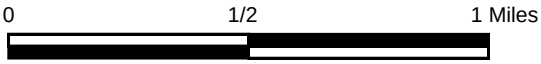
General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 36 ft.



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	FEMA Flood Electronic Data
RICHMOND, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	360497 - FEMA DFIRM Flood data
Additional Panels in search area:	34017C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
JERSEY CITY	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
Location Relative to TP:	1/2 - 1 Mile WNW
Site Name:	Standard T Chemical
Site EPA ID Number:	NYD001601327
Surficial Aquifer Flow Dir.:	TOWARD THE ARTHUR KILL, WITH PROBABLE CONNECTIONS BETWEEN THE AQUIFER AND THE ARTHUR KILL.
Inferred Depth to Water:	less than 10 feet.
Hydraulic Connection:	The near surface unconsolidated sediments are hydraulically connected to the underlying sand and clay Newark Basin members. The depth to bedrock is estimated to be between 50 feet and 100 feet.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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:	Permian
Series:	Ultramafic rocks
Code:	uM *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
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: sandy loam

Surficial Soil Types: sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock
very gravelly - sandy loam
stratified
gravelly - 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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2137422	0 - 1/8 Mile WNW
2	USGS2137421	1/8 - 1/4 Mile West
3	USGS2137409	1/4 - 1/2 Mile South
4	USGS2137396	1/2 - 1 Mile South
5	USGS2137415	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS2137384	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

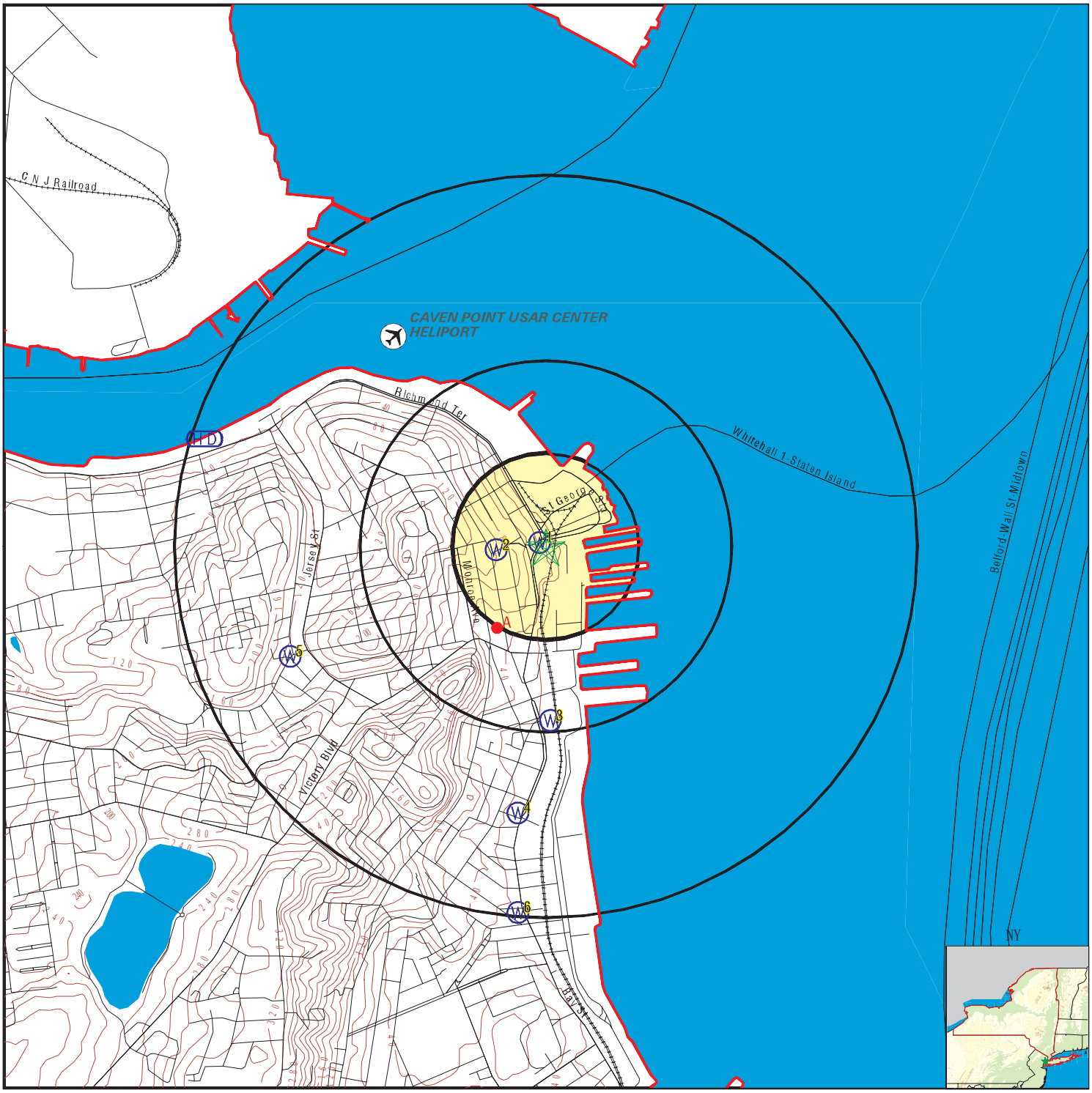
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	NYOG70000000002	1/4 - 1/2 Mile SSW
A2	NYOG70000000001	1/4 - 1/2 Mile SSW

PHYSICAL SETTING SOURCE MAP - 3479134.2s



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

0 1/4 1/2 1 Miles

N

SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island NY 10301 LAT/LONG: 40.6419 / 74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY #: 3479134.2s DATE: December 17, 2012 5:45 pm

Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **WNW** **0 - 1/8 Mile** **Higher**	**FED USGS**	**USGS2137422**

Agency cd:	USGS	Site no:	403831074043301
Site name:	R 81. 1		
Latitude:	403831	EDR Site id:	USGS2137422
Longitude:	0740433	Dec lat:	40.64204809
Dec lon:	-74.0754191	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	40.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Sandy HookStaten Island. New Jersey, New York. Area = 679 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	49	Hole depth:	49.
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

2 **West** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS2137421**

Agency cd:	USGS	Site no:	403830074044101
Site name:	R 80. 1		
Latitude:	403830	EDR Site id:	USGS2137421
Longitude:	0740441	Dec lat:	40.64177031
Dec lon:	-74.07764138	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	110.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Sandy HookStaten Island. New Jersey, New York. Area = 679 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	37	Hole depth:	37.
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
South **FED USGS** **USGS2137409**
1/4 - 1/2 Mile
Lower

Agency cd:	USGS	Site no:	403806074043101
Site name:	R 6		
Latitude:	403806	EDR Site id:	USGS2137409
Longitude:	0740431	Dec lat:	40.63510379
Dec lon:	-74.07486351	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	50	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
South
1/2 - 1 Mile
Lower

FED USGS **USGS2137396**

Agency cd:	USGS	Site no:	403753074043701
Site name:	R 7. 1		
Latitude:	403753	EDR Site id:	USGS2137396
Longitude:	0740437	Dec lat:	40.63149275
Dec lon:	-74.07653021	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Sandy HookStaten Island. New Jersey, New York. Area = 679 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	Not Reported	Hole depth:	50.
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS2137415**

Agency cd:	USGS	Site no:	403815074051901
Site name:	R 79. 1		
Latitude:	403815	EDR Site id:	USGS2137415
Longitude:	0740519	Dec lat:	40.63760369
Dec lon:	-74.08819721	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	120.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Sandy HookStaten Island. New Jersey, New York. Area = 679 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	44	Hole depth:	44.
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
South
1/2 - 1 Mile
Lower

FED USGS **USGS2137384**

Agency cd:	USGS	Site no:	403739074043701
Site name:	R 8		
Latitude:	403739	EDR Site id:	USGS2137384
Longitude:	0740437	Dec lat:	40.62760394
Dec lon:	-74.0765302	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	085
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	75	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance	Database	EDR ID Number

A1
SSW
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000002**

Api wellno:	31085270130000	Cnty:	Richmond
Hole:	27013	Sidetrck:	0
Completion:	0		
Well nm:	Staten Island Mental Health GT Well 2		
Coname:	Fund for the Advancement of Mental Health		
Opno:	2578		
Dt approv:	05/05/2011	Dt spud:	02/01/2011
Dt comp:	03/02/2011	Well typ:	Not Listed
Dtd:	1500		
Wl status:	Permit Issued	Town:	Staten Island
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.07747		
Yloc:	40.63873		
Confid:	A		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	H
Deepestfor:	Not Applicable	Elevation:	52
Dt mod:	05/09/2011	Site id:	NYOG70000000002

A2
SSW
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000001**

Api wellno:	31085270120000	Cnty:	Richmond
Hole:	27012	Sidetrck:	0
Completion:	0		
Well nm:	Staten Island Mental Health GT Well 1		
Coname:	Fund for the Advancement of Mental Health		
Opno:	2578		
Dt approv:	05/05/2011	Dt spud:	02/01/2011
Dt comp:	03/02/2011	Well typ:	Not Listed
Dtd:	1500		
Wl status:	Permit Issued	Town:	Staten Island
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.07773		
Yloc:	40.6387		
Confid:	A		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	H
Deepestfor:	Not Applicable	Elevation:	52
Dt mod:	05/09/2011	Site id:	NYOG70000000001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for RICHMOND 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 RICHMOND COUNTY, NY

Number of sites tested: 61

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	98%	2%	0%
Basement	1.250 pCi/L	84%	15%	2%

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 and 2005 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[R] 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.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

Historical Sanborn Fire Insurance Maps

Lighthouse Project
5 Bay Street
Staten Island, NY 10301

Inquiry Number: 3479134.3
December 18, 2012

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/18/12

Site Name:
Lighthouse Project
5 Bay Street
Staten Island, NY 10301

EDR Inquiry # 3479134.3

Client Name:
Roux Associates
209 Shafter Street
Islandia, NY 11749

Contact: Joseph Gavin

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Roux Associates were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Lighthouse Project
Address: 5 Bay Street
City, State, Zip: Staten Island, NY 10301
Cross Street:
P.O. # 1637.0002Y000
Project: Lighthouse Project
Certification # CE59-44A5-8A76

Maps Provided:

2007	2001	1991	1983	1922
2006	1996	1990	1981	1917
2005	1995	1989	1977	1898
2004	1994	1988	1962	1885
2003	1993	1987	1950	
2002	1992	1986	1937	

Sanborn® Library search results
Certification # CE59-44A5-8A76

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Roux Associates (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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 OF 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.

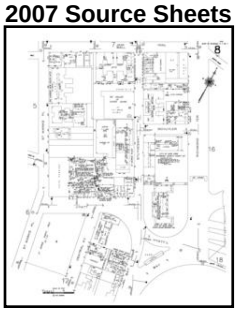
Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

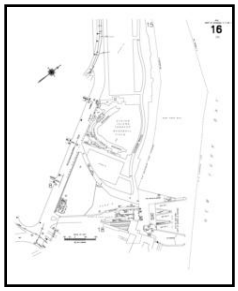
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

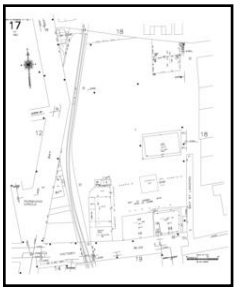
2007 Source Sheets



Volume 1, Sheet 8



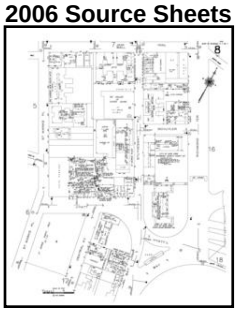
Volume 1, Sheet 16



Volume 1, Sheet 17

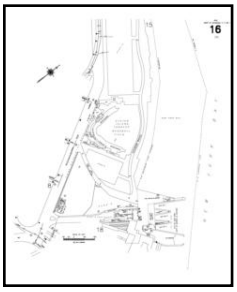
Volume 1, Sheet 18

2006 Source Sheets

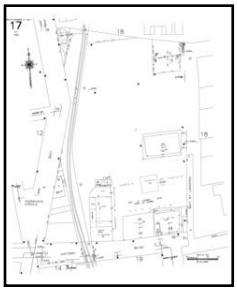


Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



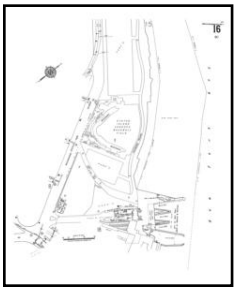
Volume 1, Sheet 17

Volume 1, Sheet 18

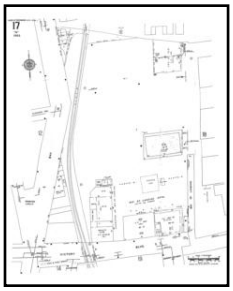
2005 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



Volume 1, Sheet 17

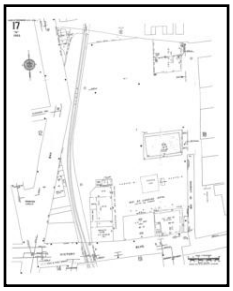
Volume 1, Sheet 18

2004 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12

Volume 1, Sheet 16



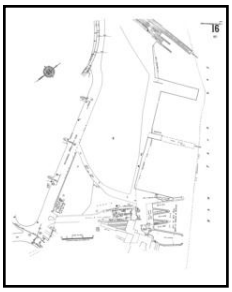
Volume 1, Sheet 17

Volume 1, Sheet 18

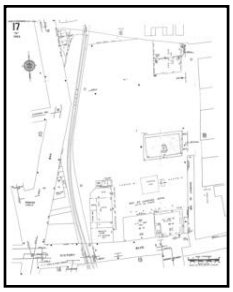
2003 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



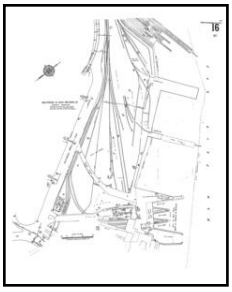
Volume 1, Sheet 17

Volume 1, Sheet 18

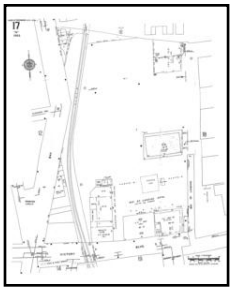
2002 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



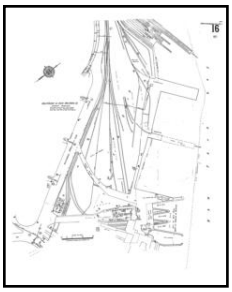
Volume 1, Sheet 17

Volume 1, Sheet 18

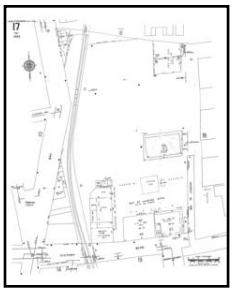
2001 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



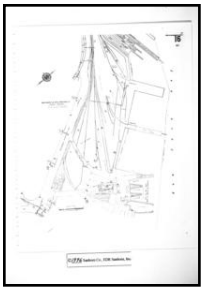
Volume 1, Sheet 17

Volume 1, Sheet 18

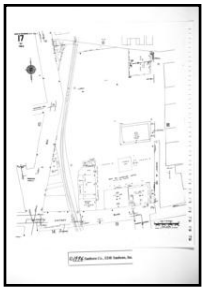
1996 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16

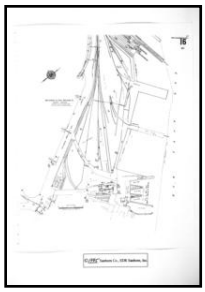


Volume 1, Sheet 17

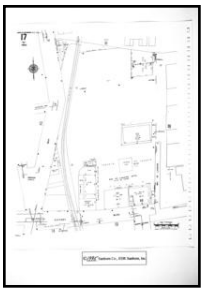
Volume 1, Sheet 18

1995 Source Sheets

Volume 1, Sheet 8



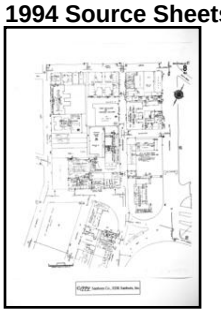
Volume 1, Sheet 16



Volume 1, Sheet 17

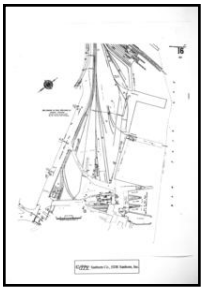
Volume 1, Sheet 18

1994 Source Sheets

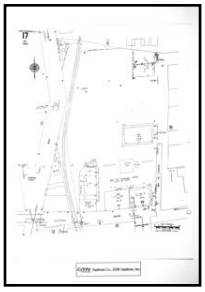


Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16

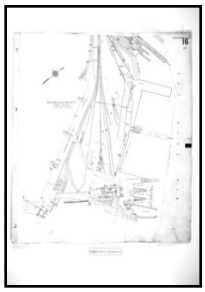


Volume 1, Sheet 17

Volume 1, Sheet 18

1993 Source Sheets

Volume 1, Sheet 8



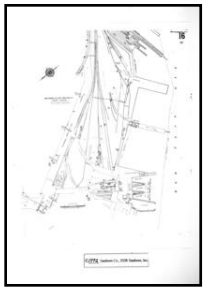
Volume 1, Sheet 16

Volume 1, Sheet 17

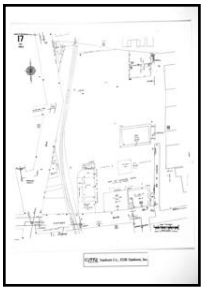
Volume 1, Sheet 18

1992 Source Sheets

Volume 1, Sheet 8



Volume 1, Sheet 16



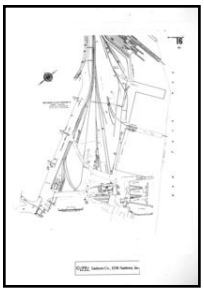
Volume 1, Sheet 17

Volume 1, Sheet 18

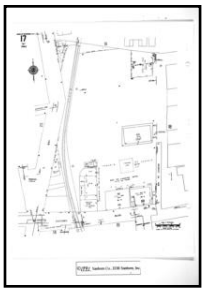
1991 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



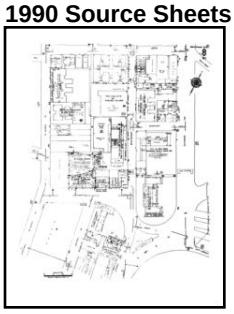
Volume 1, Sheet 16



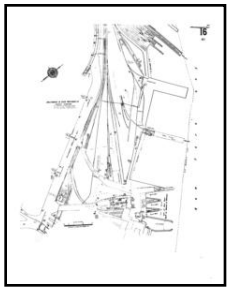
Volume 1, Sheet 17

Volume 1, Sheet 18

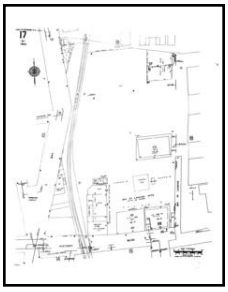
1990 Source Sheets



Volume 1, Sheet 8



Volume 1, Sheet 16



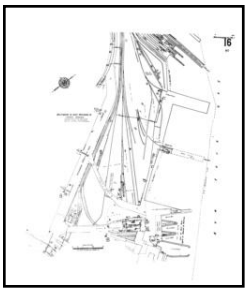
Volume 1, Sheet 17

Volume 1, Sheet 18

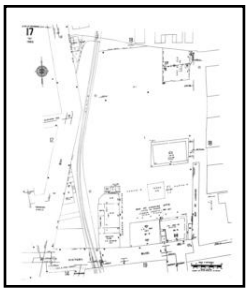
1989 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



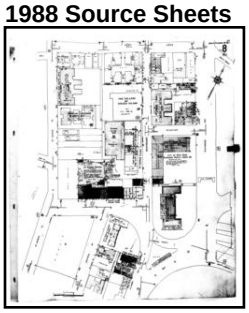
Volume 1, Sheet 16



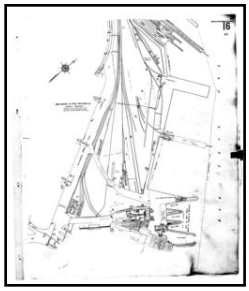
Volume 1, Sheet 17

Volume 1, Sheet 18

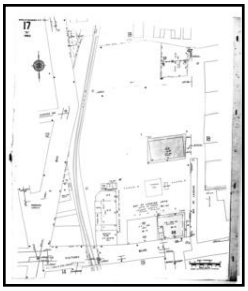
1988 Source Sheets



Volume 1, Sheet 8



Volume 1, Sheet 16

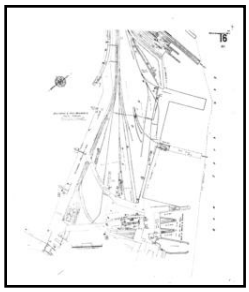


Volume 1, Sheet 17

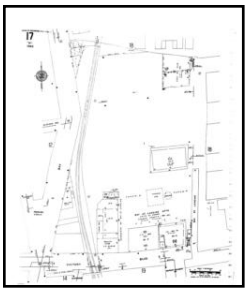
Volume 1, Sheet 18

1987 Source Sheets

Volume 1, Sheet 8



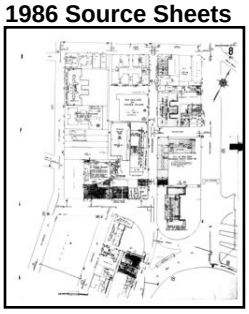
Volume 1, Sheet 16



Volume 1, Sheet 17

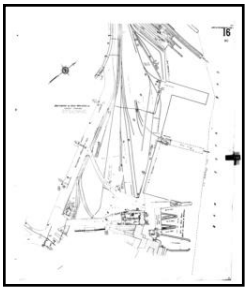
Volume 1, Sheet 18

1986 Source Sheets

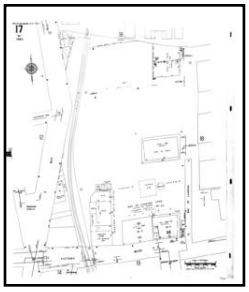


Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16



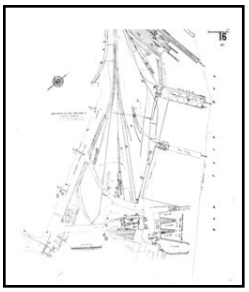
Volume 1, Sheet 17

Volume 1, Sheet 18

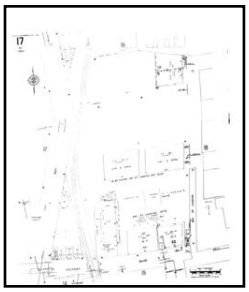
1983 Source Sheets

Volume 1, Sheet 8

Volume 1, Sheet 12



Volume 1, Sheet 16

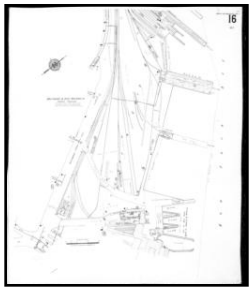


Volume 1, Sheet 17

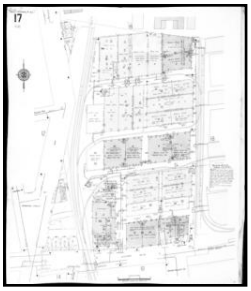
Volume 1, Sheet 18

1981 Source Sheets

Volume 1, Sheet 8



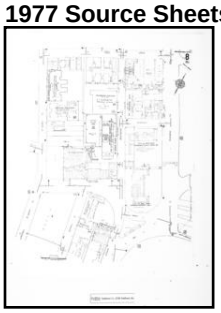
Volume 1, Sheet 16



Volume 1, Sheet 17

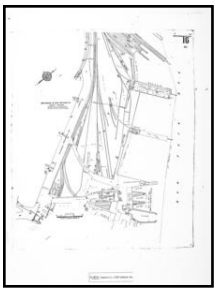
Volume 1, Sheet 18

1977 Source Sheets

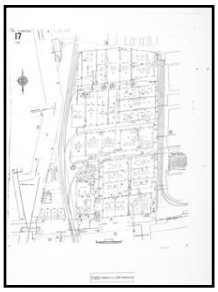


Volume 1, Sheet 8

Volume 1, Sheet 12



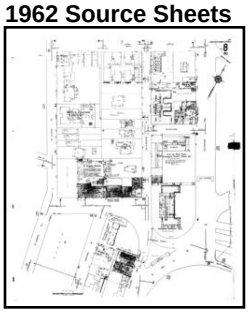
Volume 1, Sheet 16



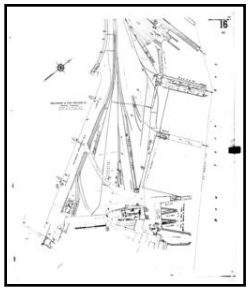
Volume 1, Sheet 17

Volume 1, Sheet 18

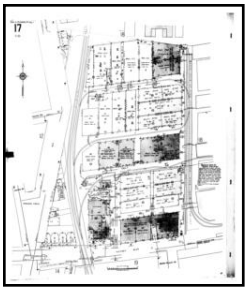
1962 Source Sheets



Volume 1, Sheet 8



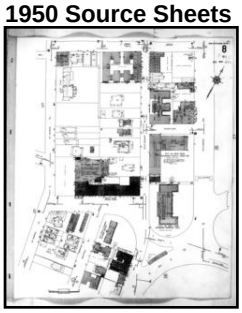
Volume 1, Sheet 16



Volume 1, Sheet 17

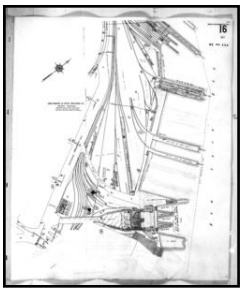
Volume 1, Sheet 18

1950 Source Sheets

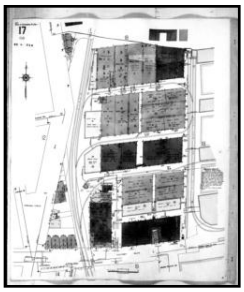


Volume 1, Sheet 8

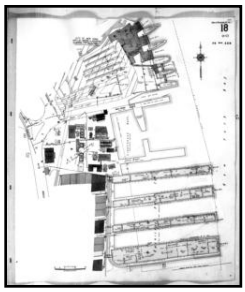
Volume 1, Sheet 12



Volume 1, Sheet 16



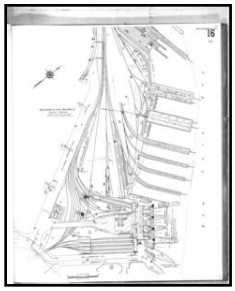
Volume 1, Sheet 17



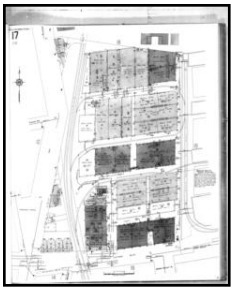
Volume 1, Sheet 18

1937 Source Sheets

Volume 1, Sheet 8



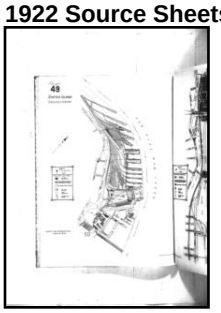
Volume 1, Sheet 16



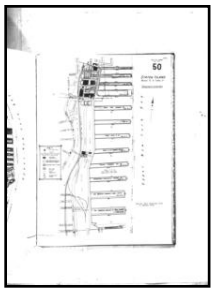
Volume 1, Sheet 17

Volume 1, Sheet 18

1922 Source Sheets



Volume Pier Maps, Sheet 49

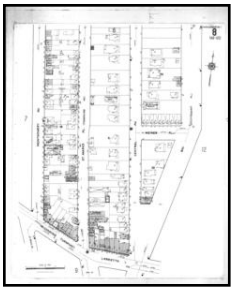


Volume Pier Maps, Sheet 50

1917 Source Sheets

Volume 1, Sheet 4

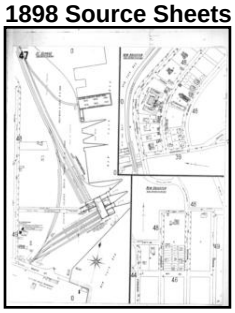
Volume 1, Sheet 6



Volume 1, Sheet 8

Volume 1, Sheet 12

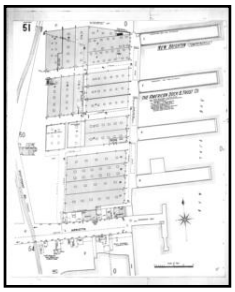
1898 Source Sheets



Volume 1, Sheet 47

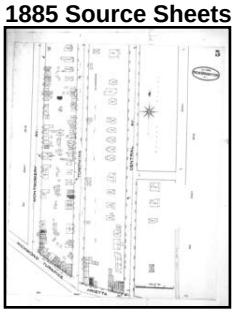
Volume 1, Sheet 49

Volume 1, Sheet 50

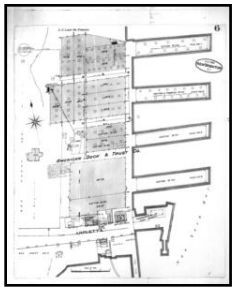


Volume 1, Sheet 51

1885 Source Sheets

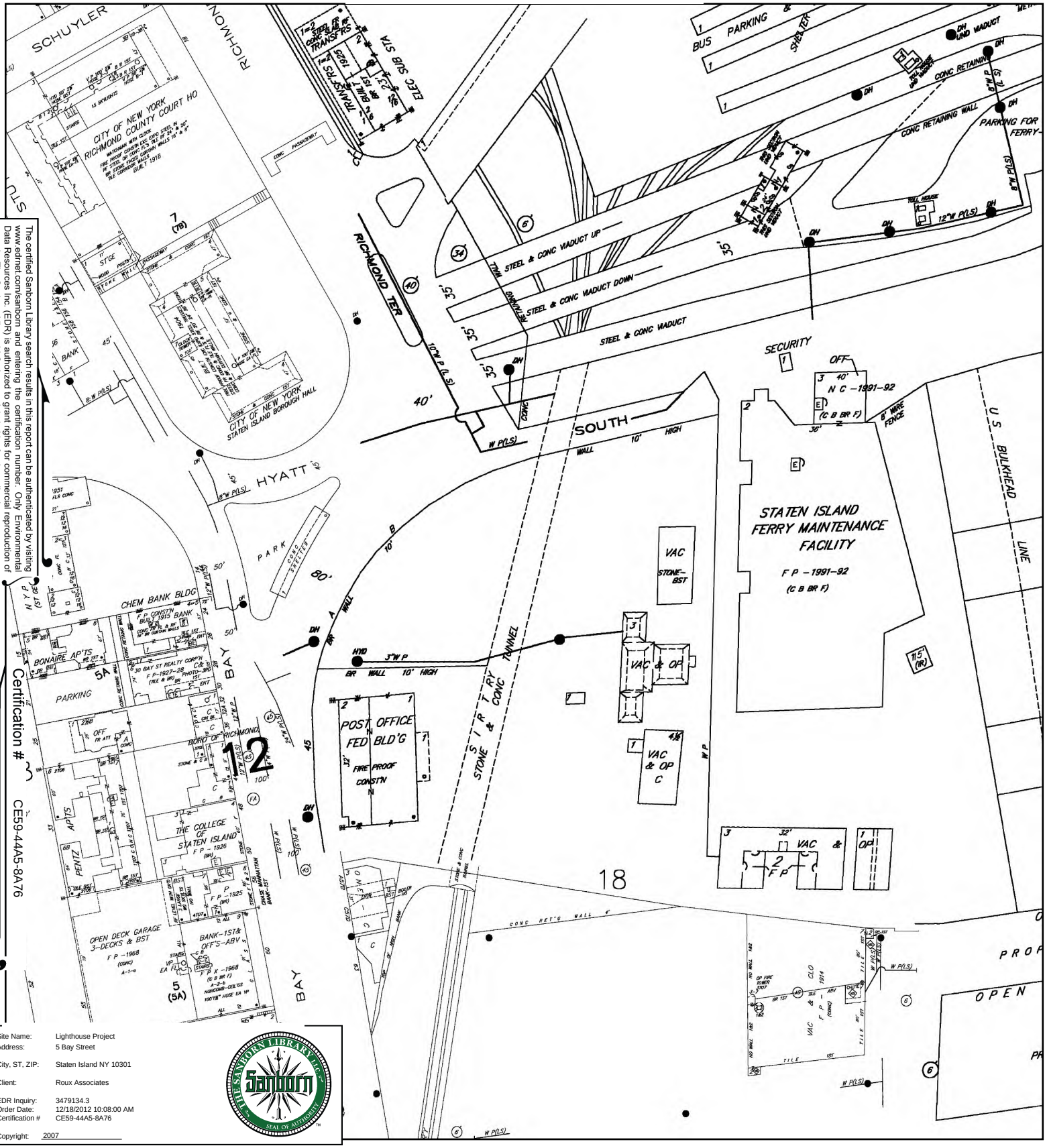


Volume 1, Sheet 5



Volume 1, Sheet 6

2007 Certified Sanborn Map



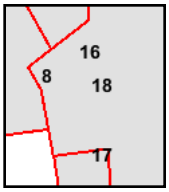
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2007

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

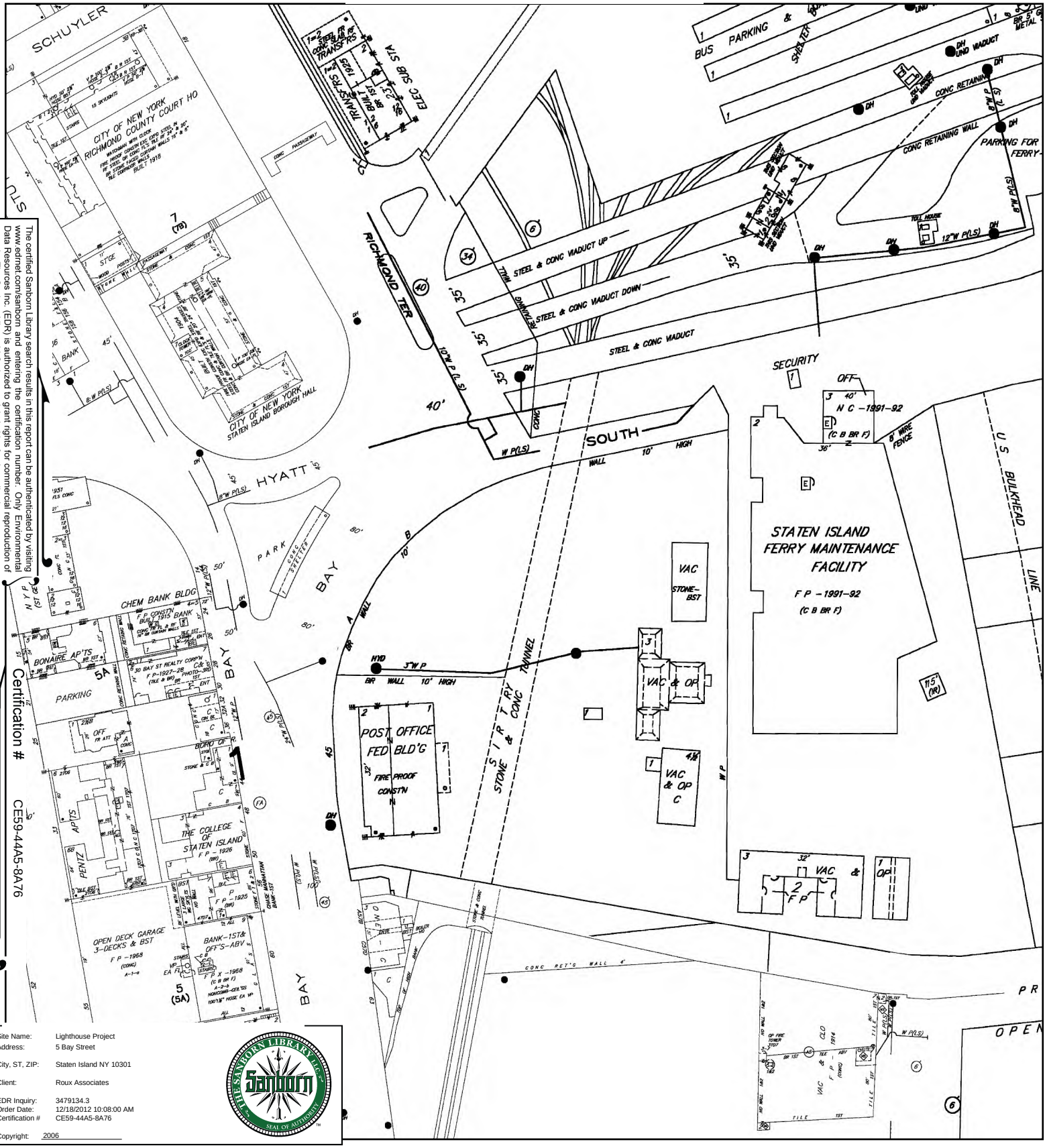
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

2006 Certified Sanborn Map



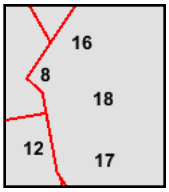
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2006

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

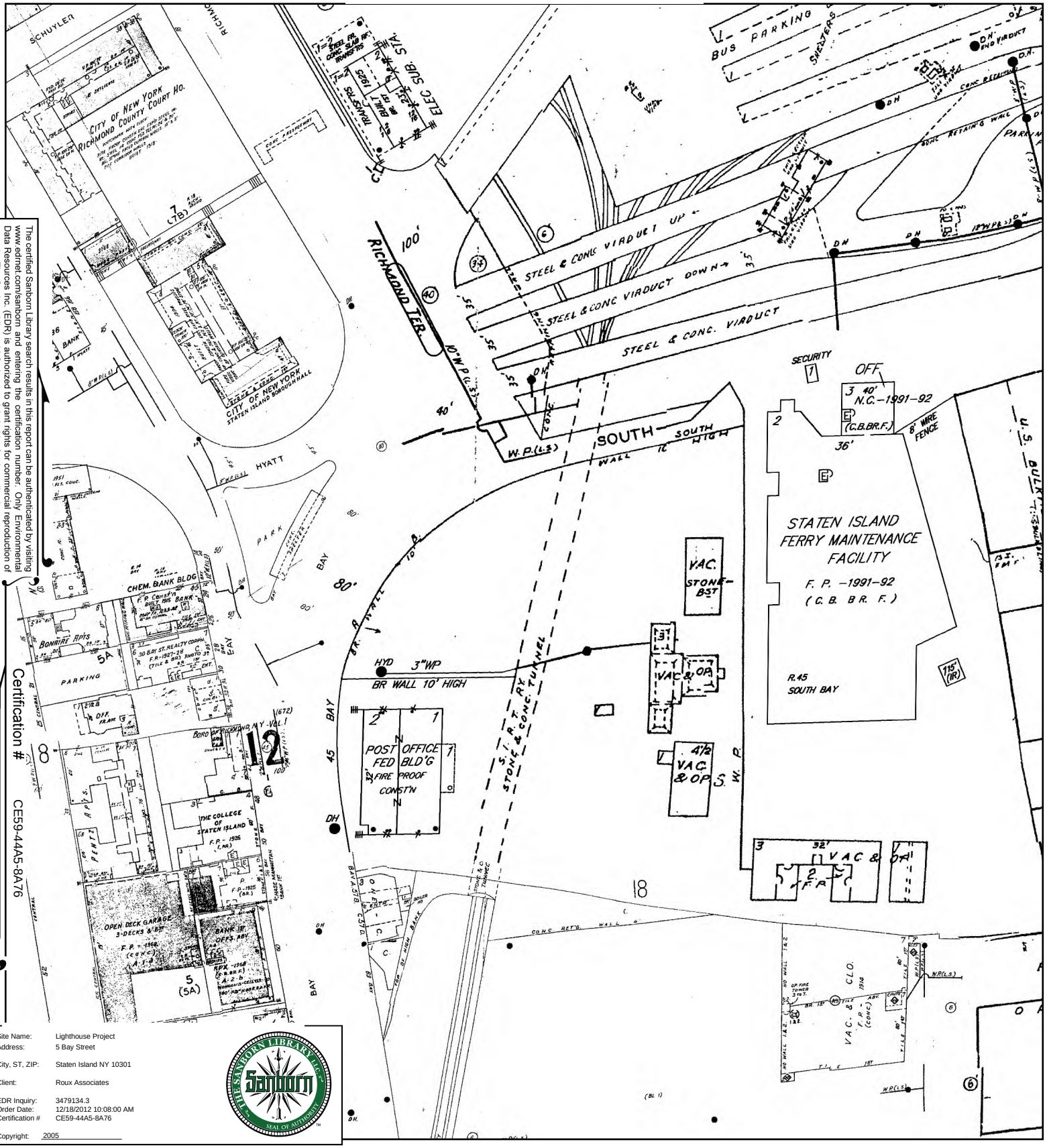
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

2005 Certified Sanborn Map



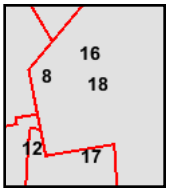
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2005

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

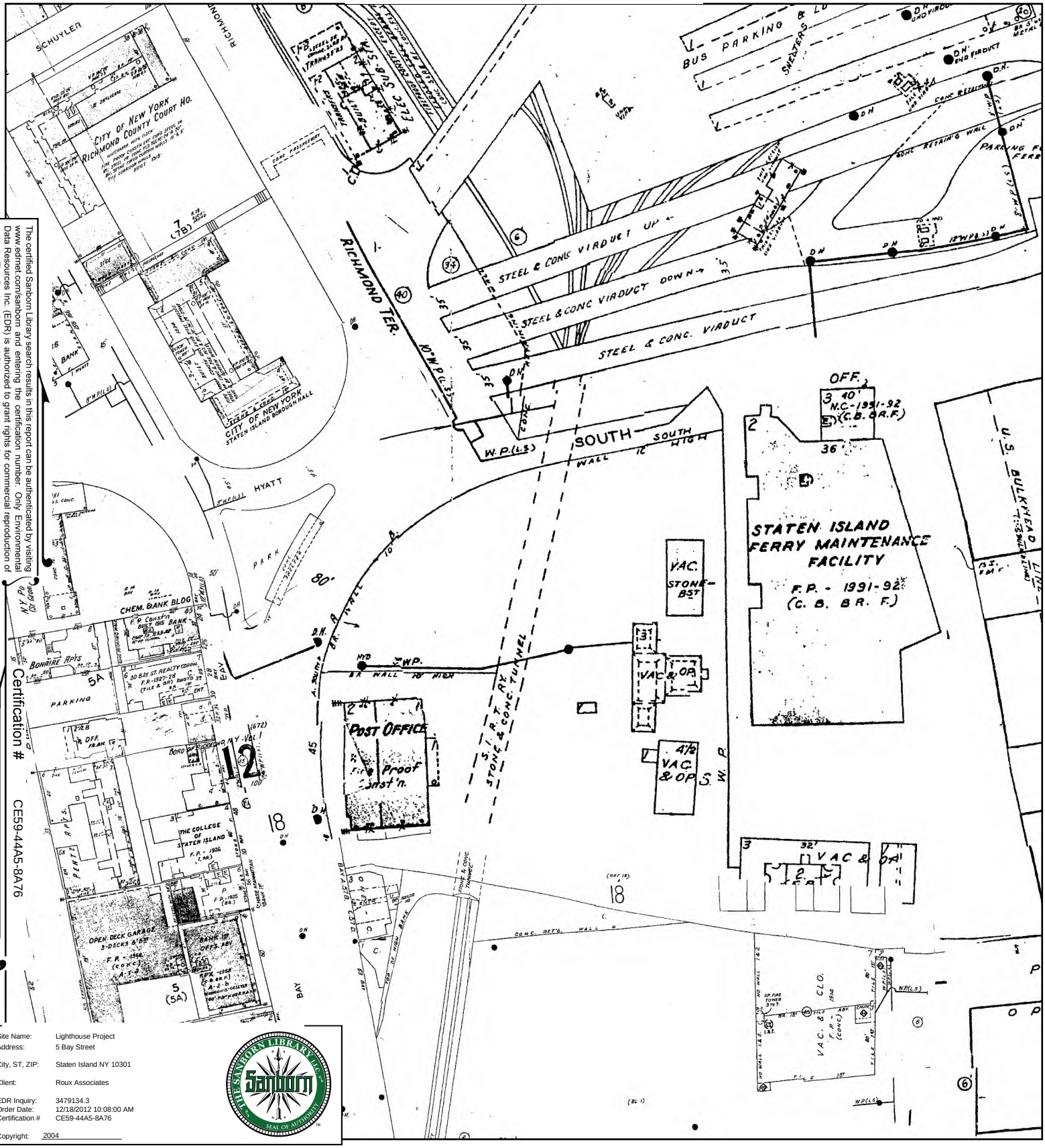
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

2004 Certified Sanborn Map



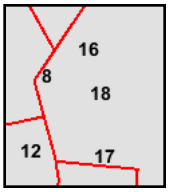
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2004

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

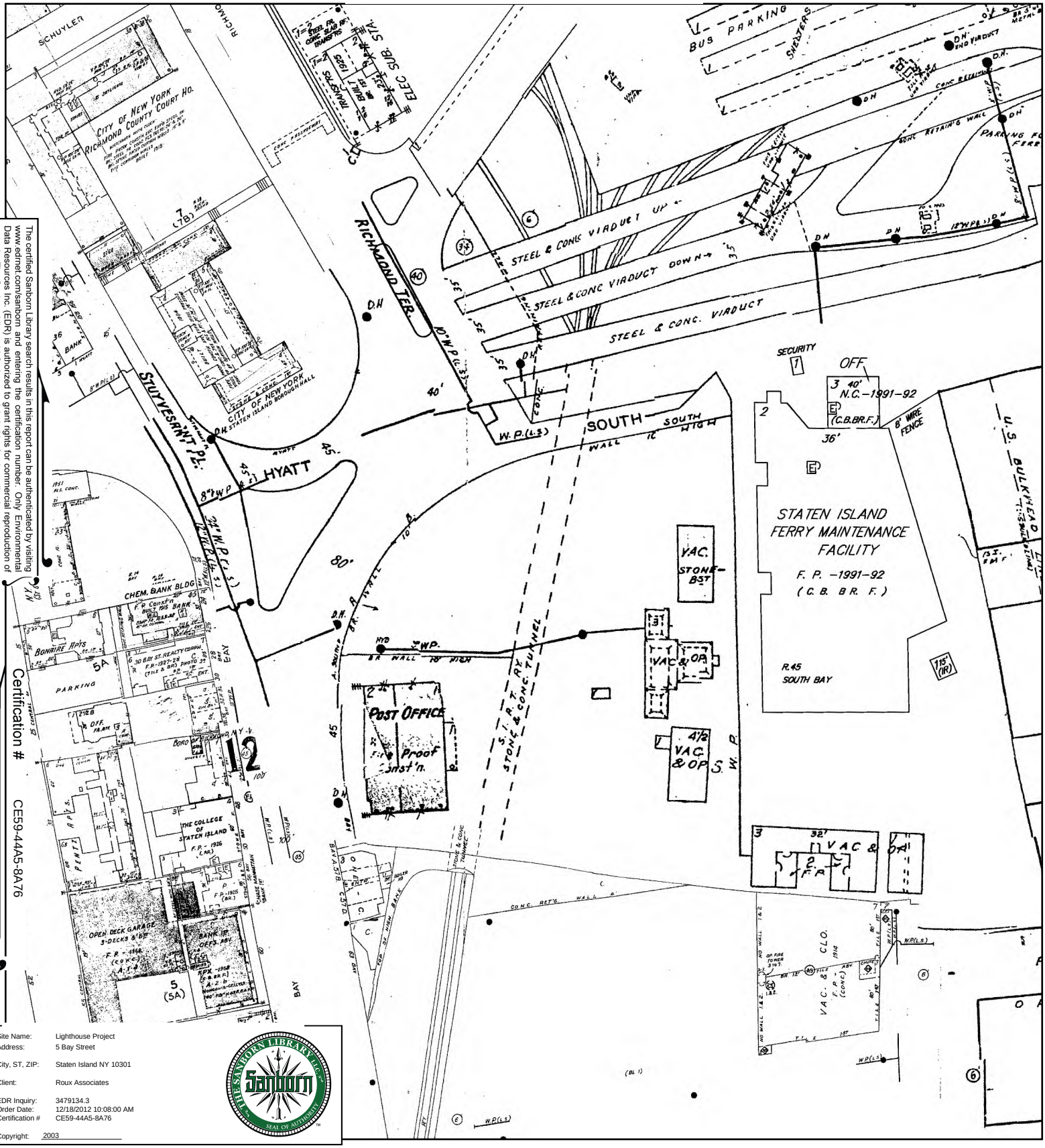
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

2003 Certified Sanborn Map



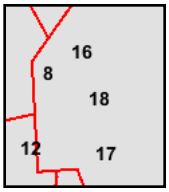
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2003

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

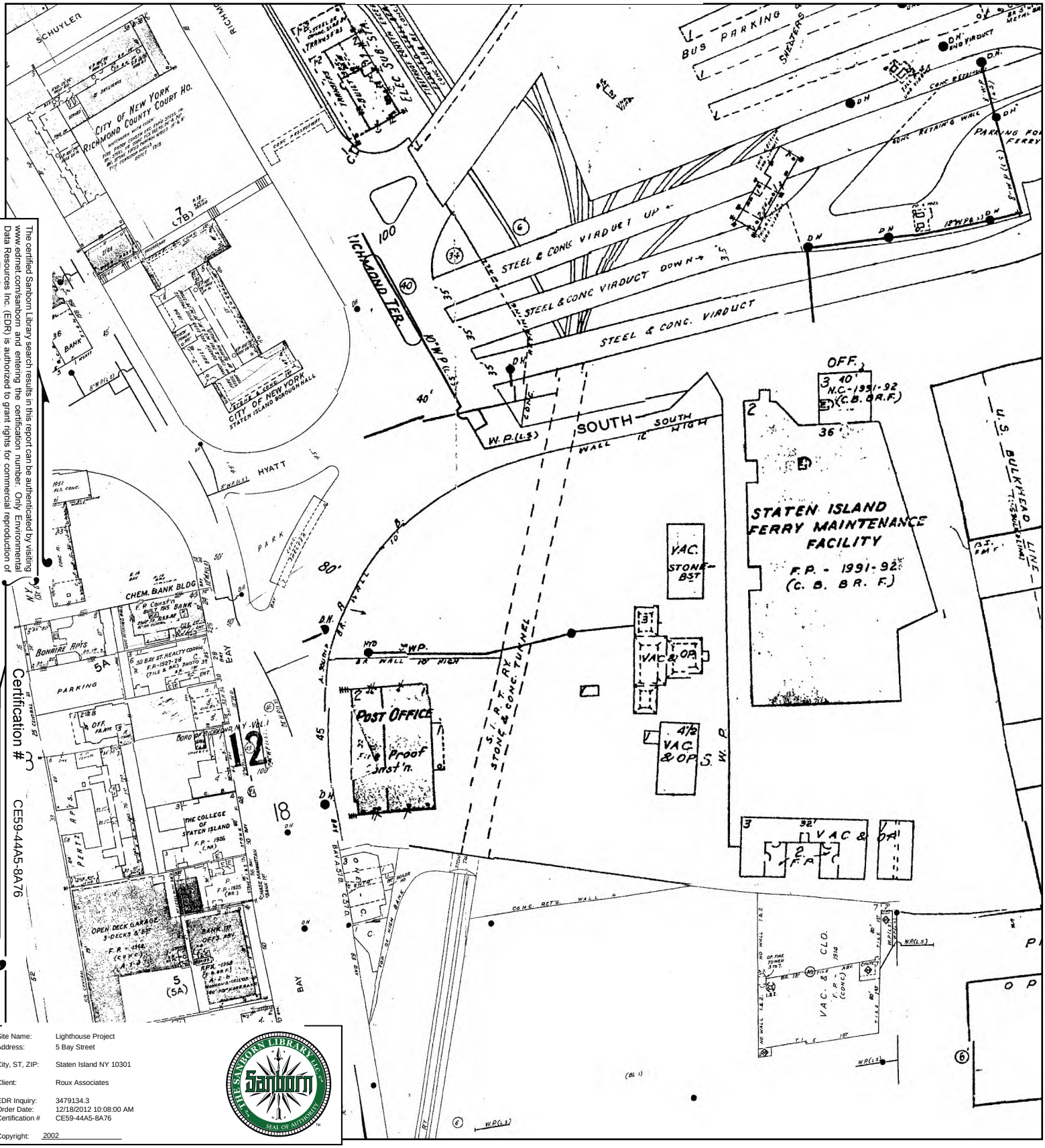
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

2002 Certified Sanborn Map

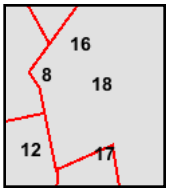


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2002

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

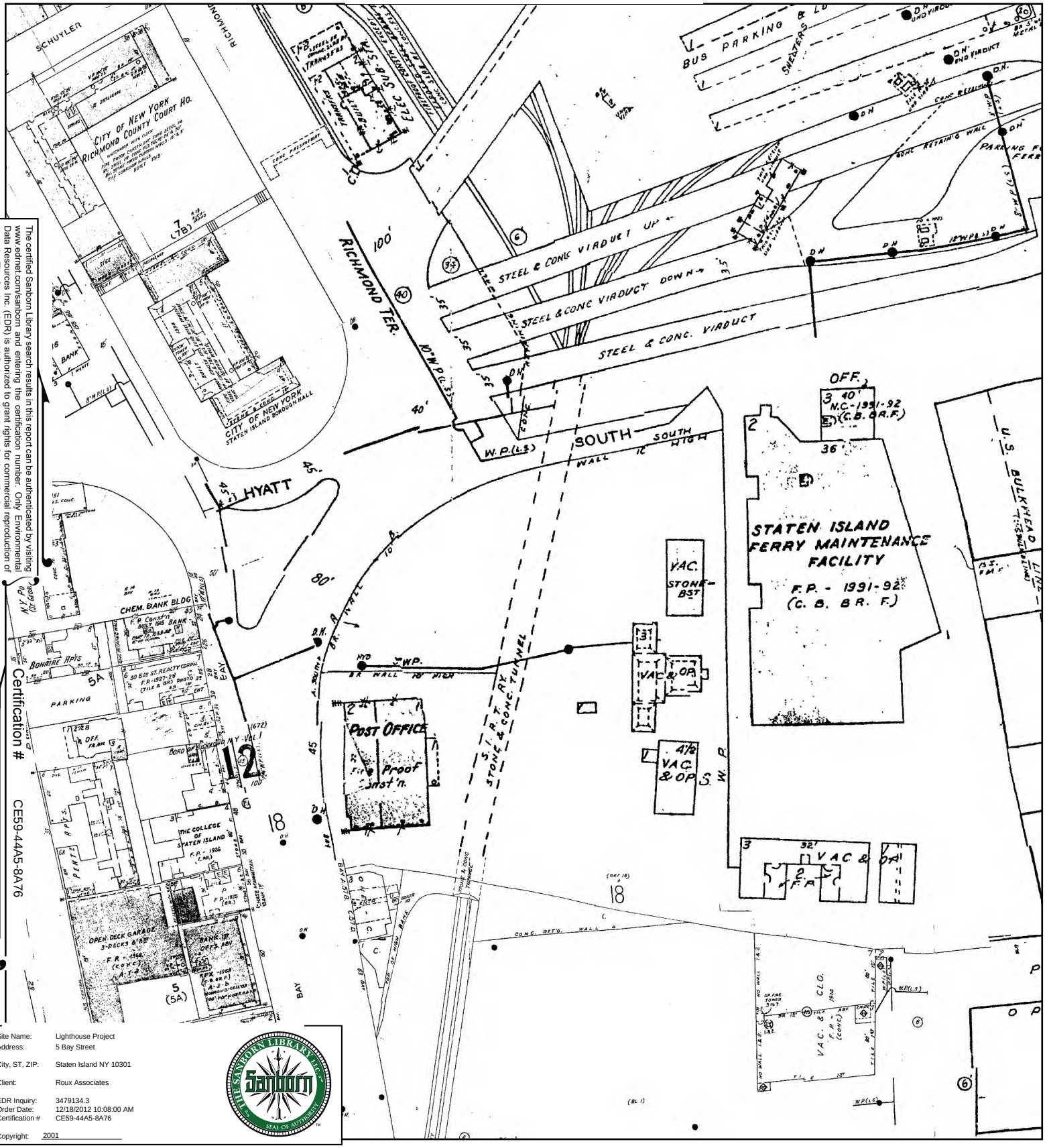


Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

0 Feet 150 300 600

N

2001 Certified Sanborn Map



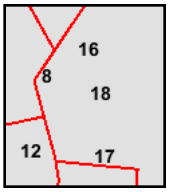
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	2001

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

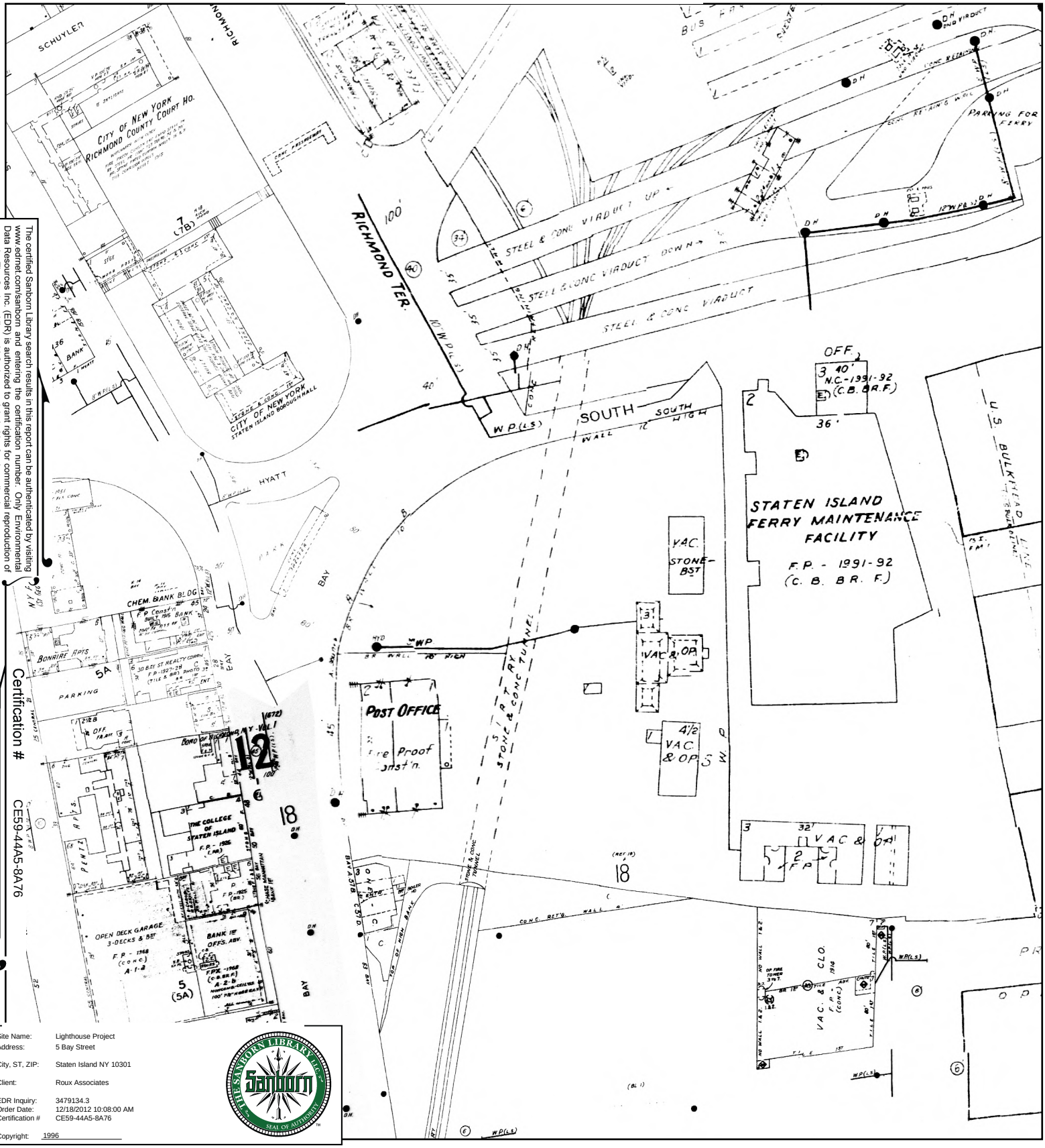
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1996 Certified Sanborn Map

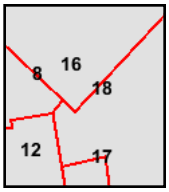


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1996

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

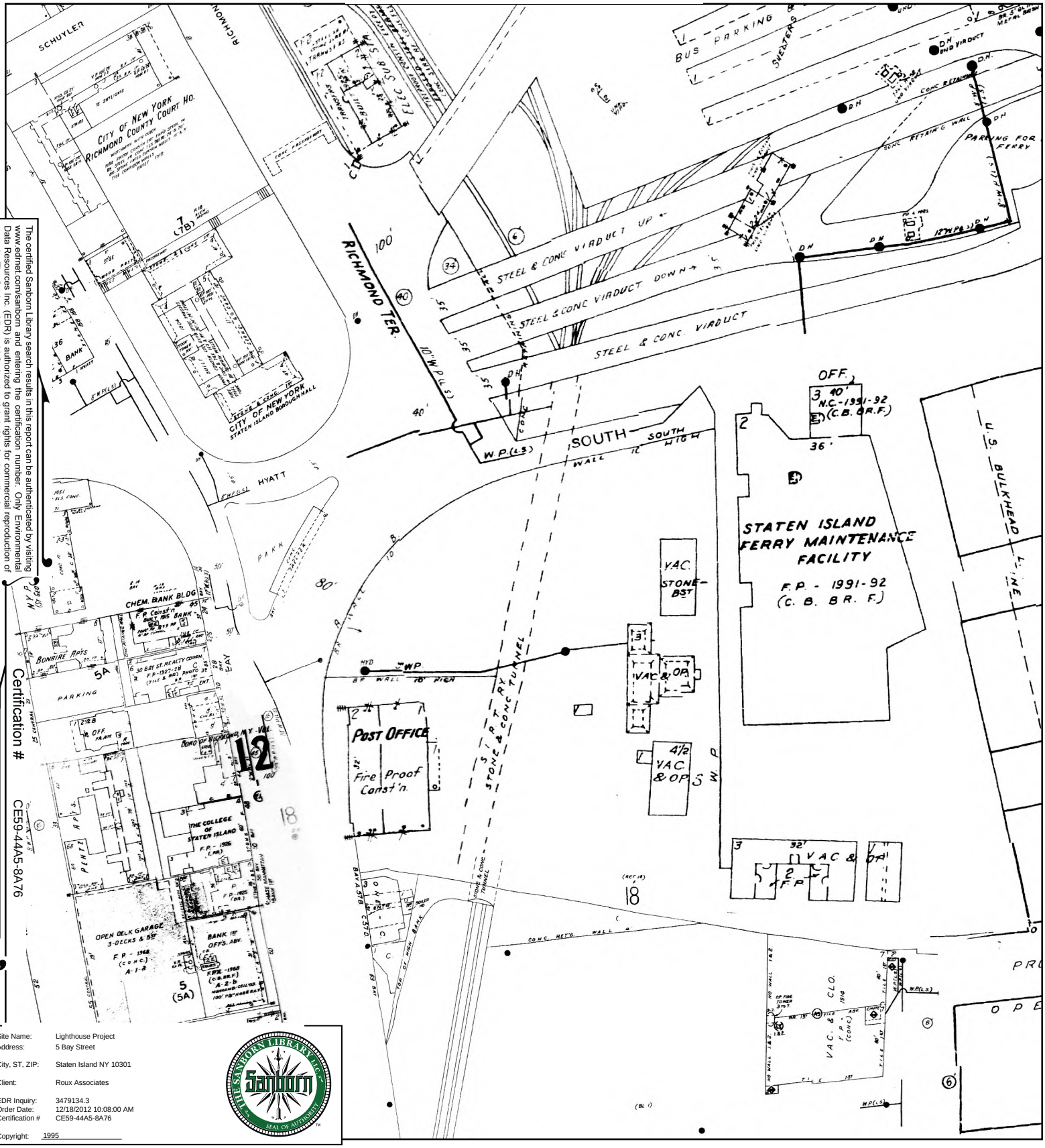


Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

0 Feet 150 300 600

N

1995 Certified Sanborn Map



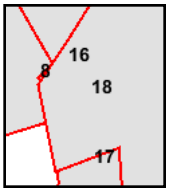
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1995

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

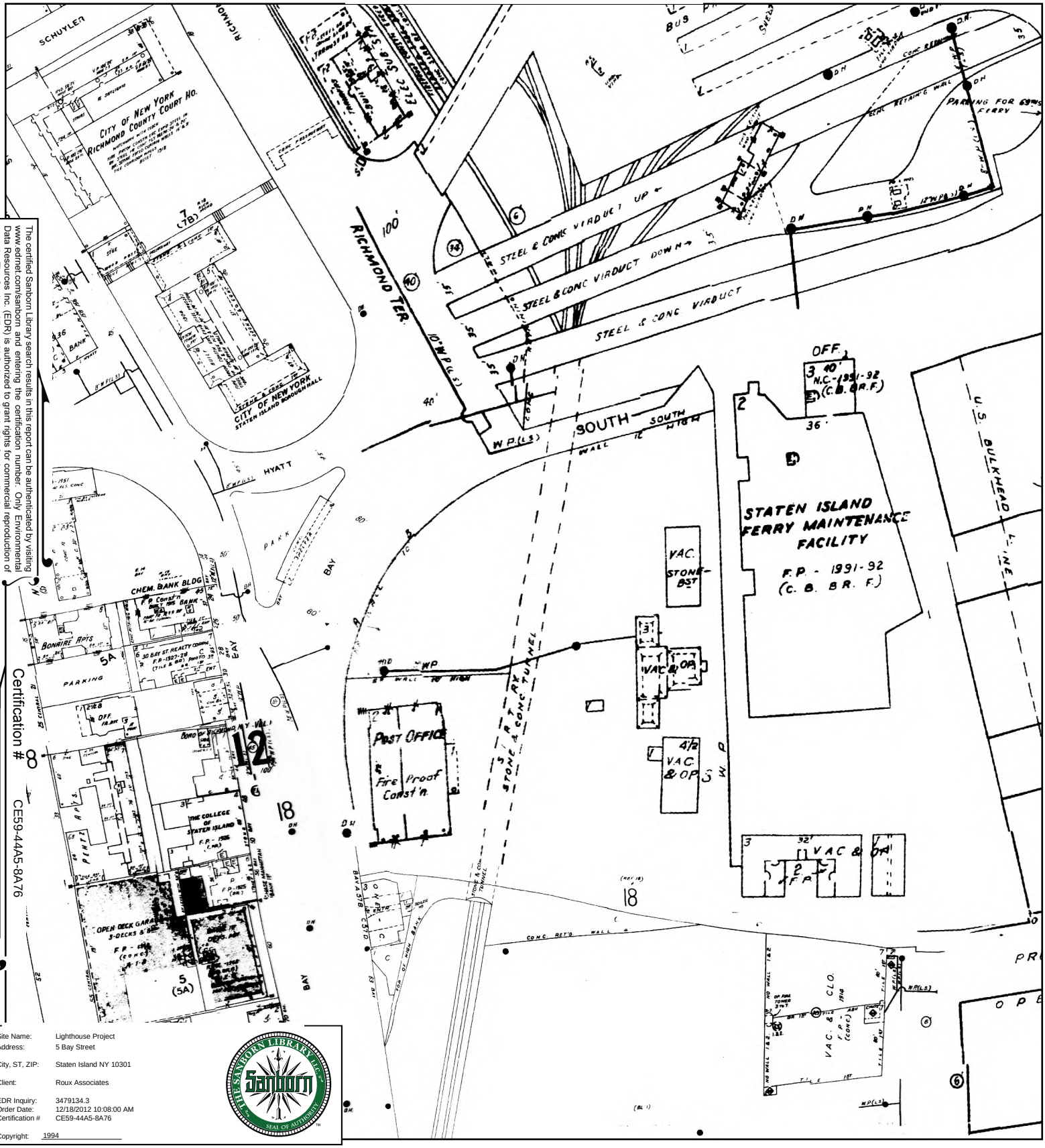
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1994 Certified Sanborn Map



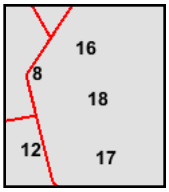
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1994

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

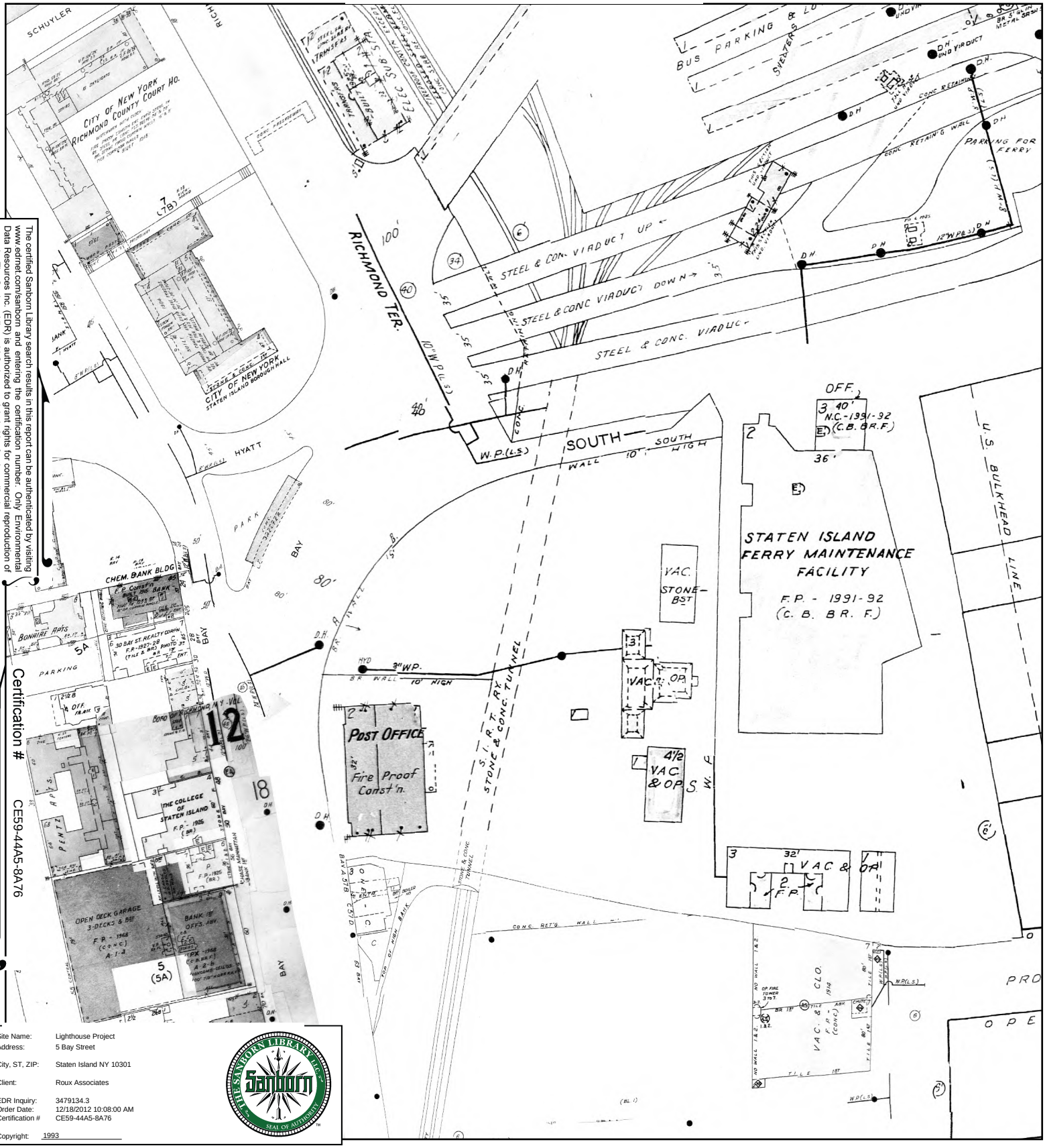
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1993 Certified Sanborn Map



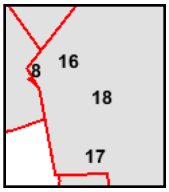
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1993

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

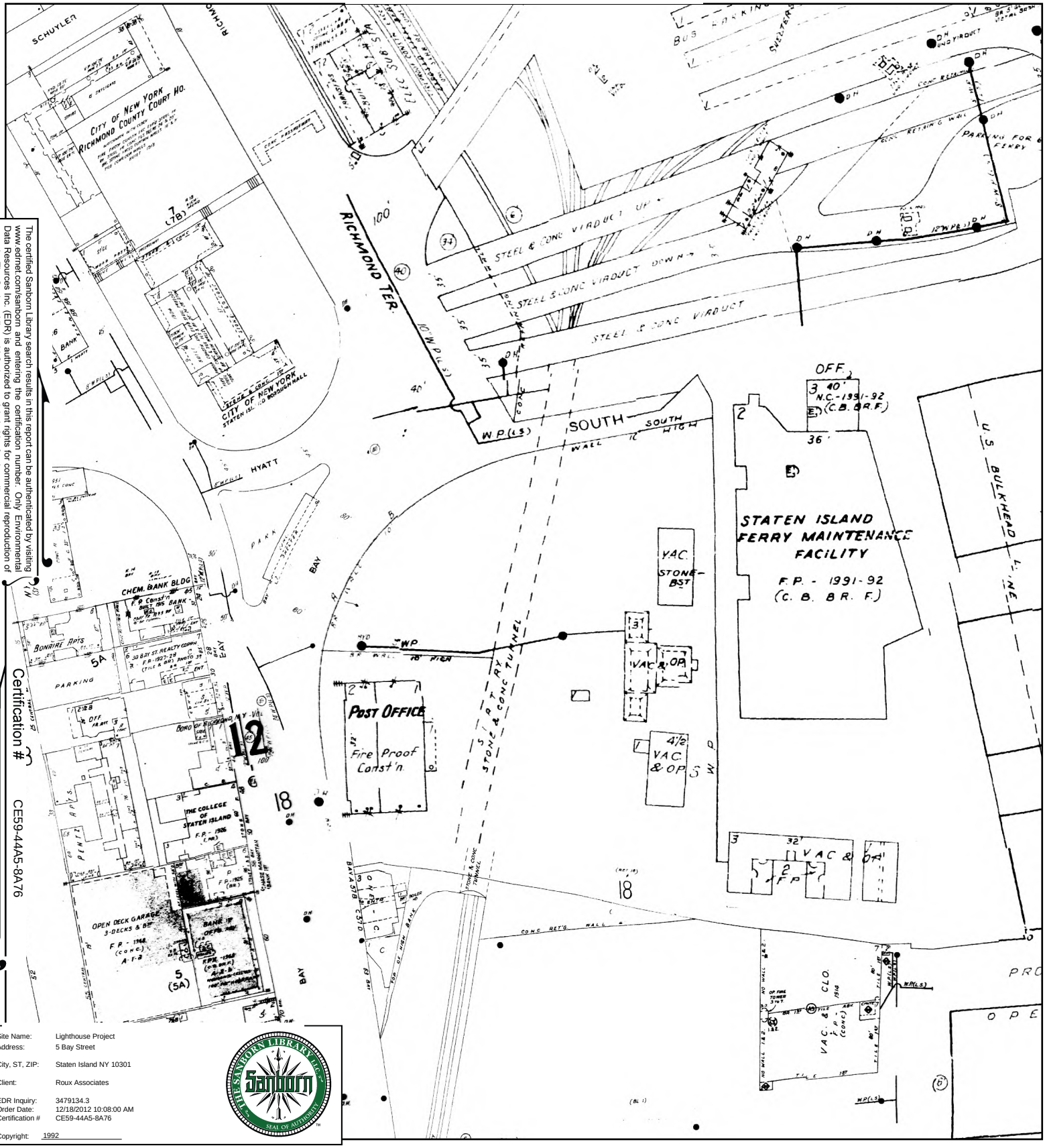
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1992 Certified Sanborn Map



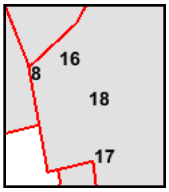
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1992

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

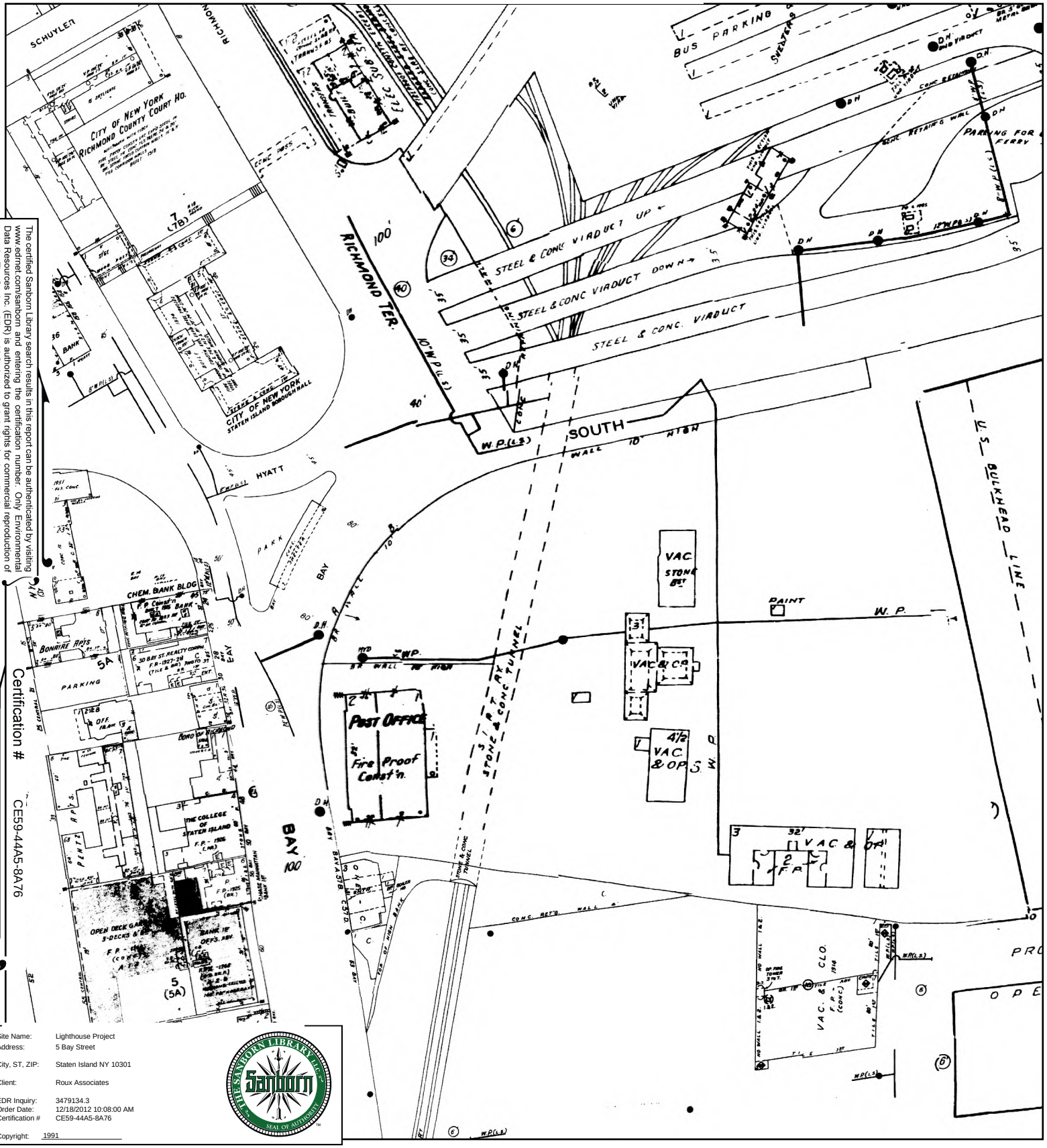
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1991 Certified Sanborn Map



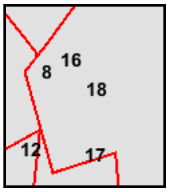
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1991

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

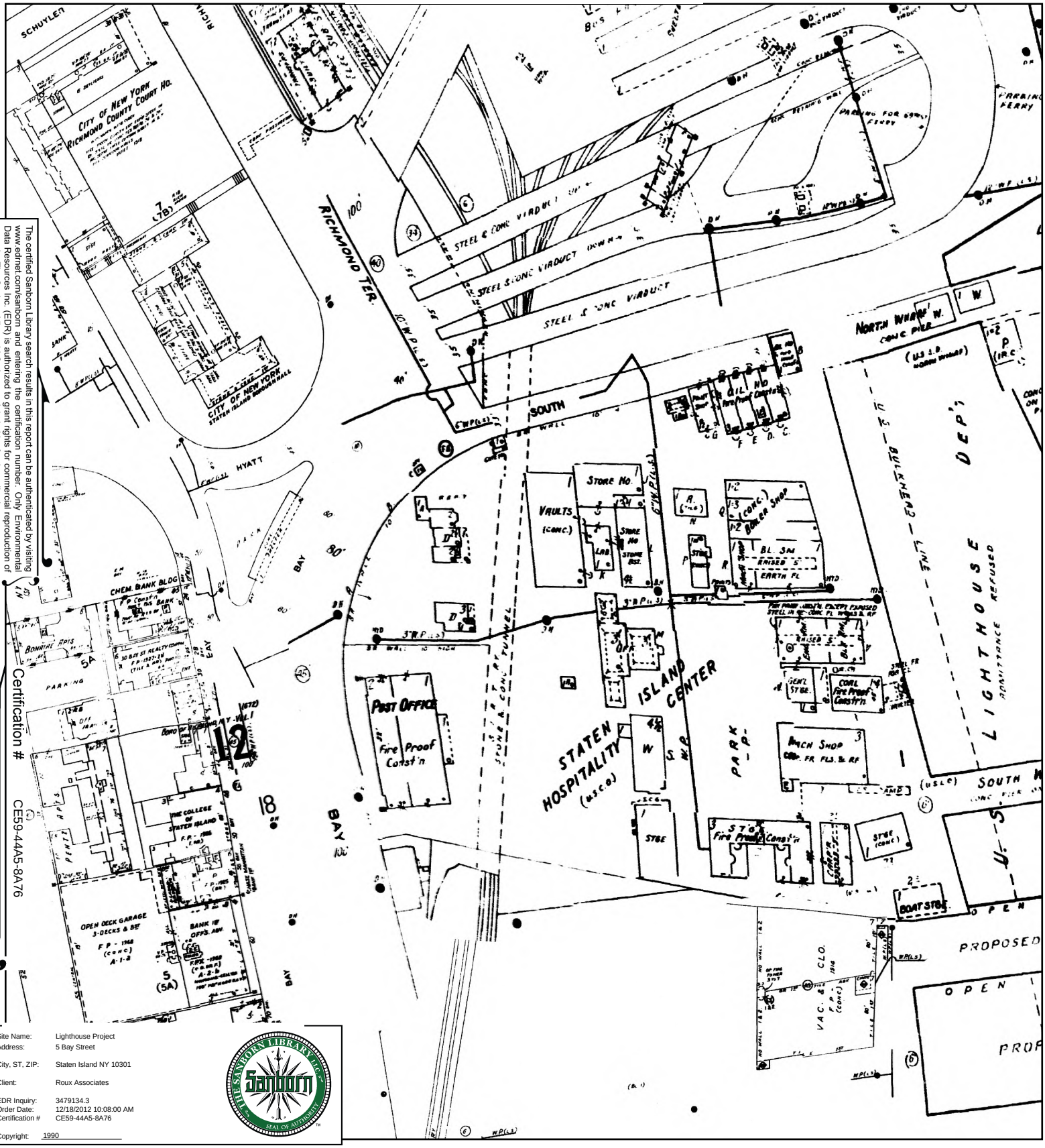
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1990 Certified Sanborn Map



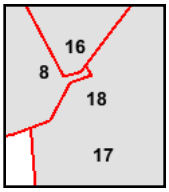
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1990

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

0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1989 Certified Sanborn Map

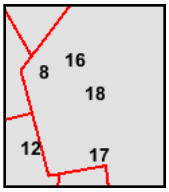
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1989

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

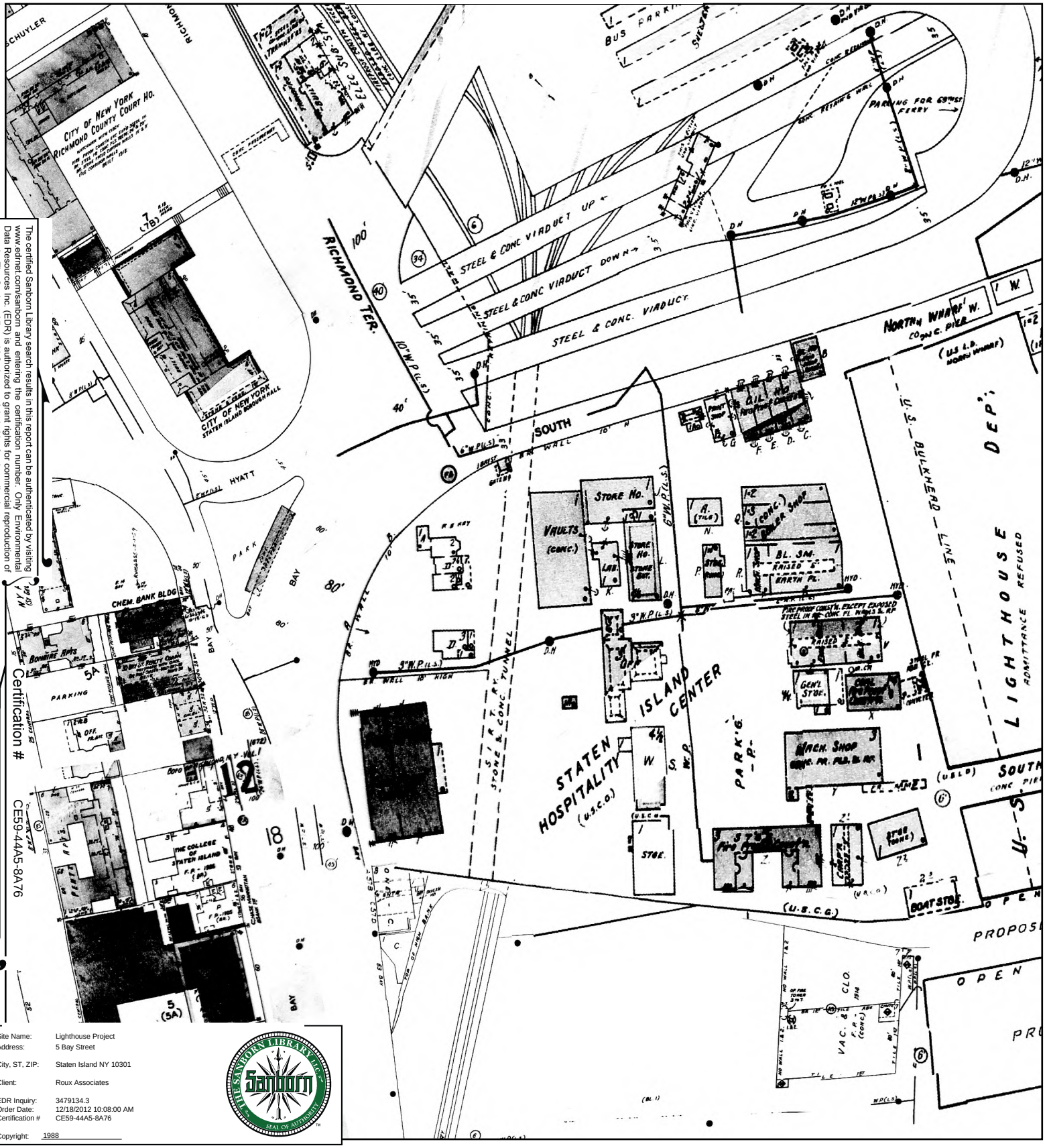
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1988 Certified Sanborn Map



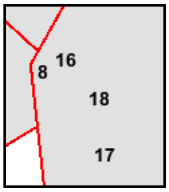
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1988

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

0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1987 Certified Sanborn Map

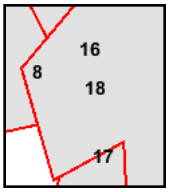
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1987

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

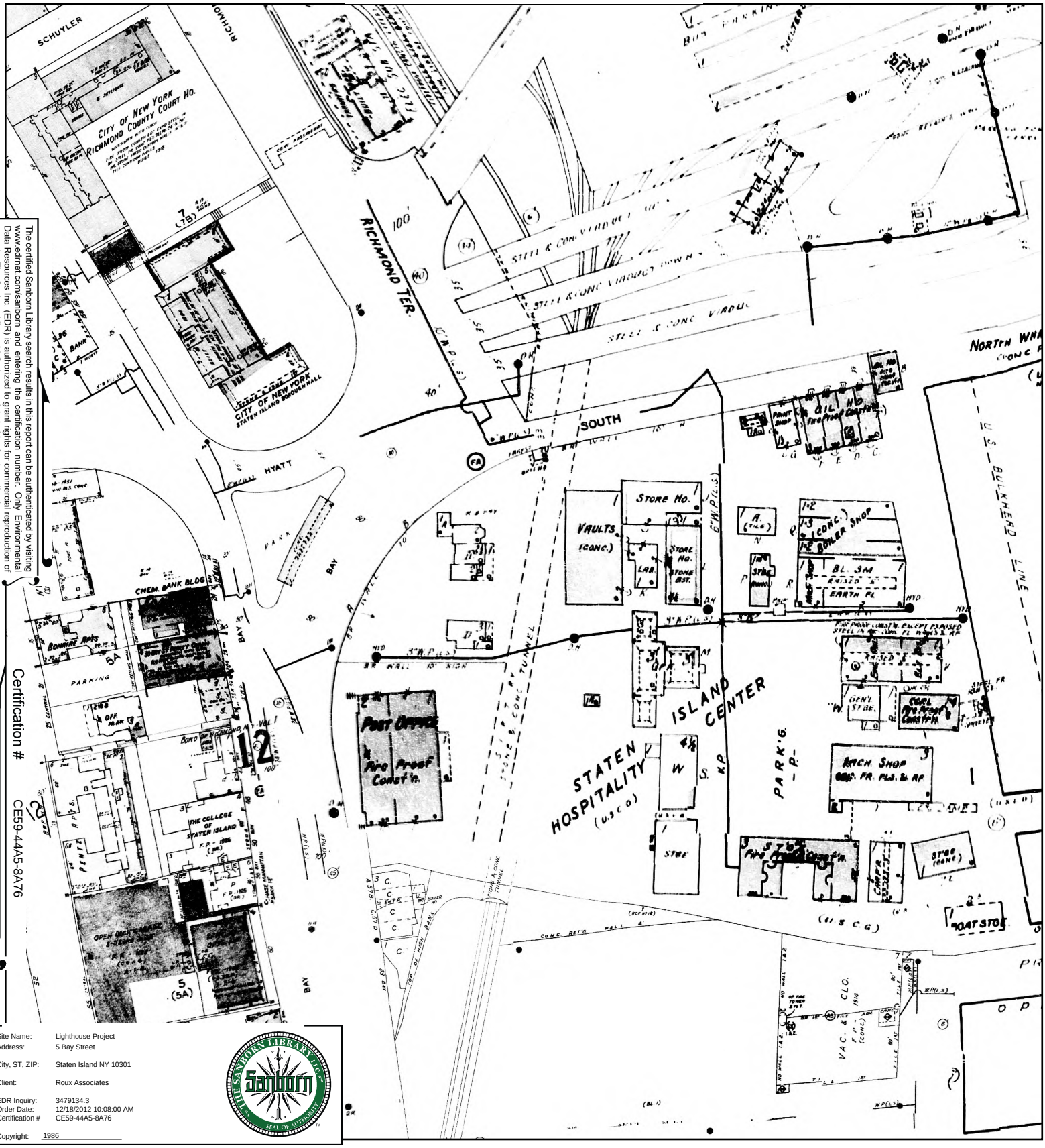
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1986 Certified Sanborn Map



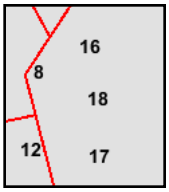
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1986

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

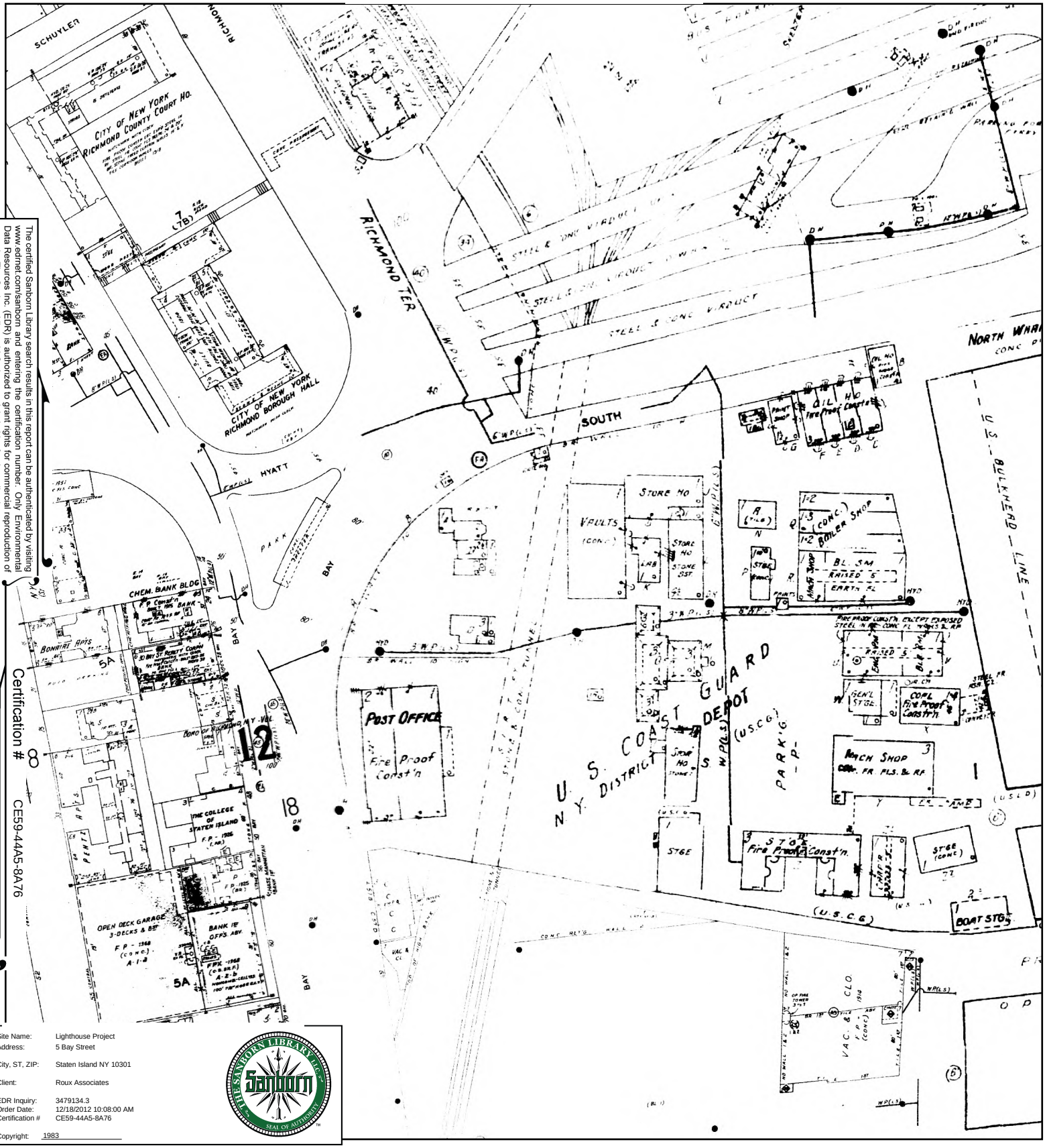
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1983 Certified Sanborn Map



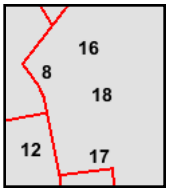
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1983

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

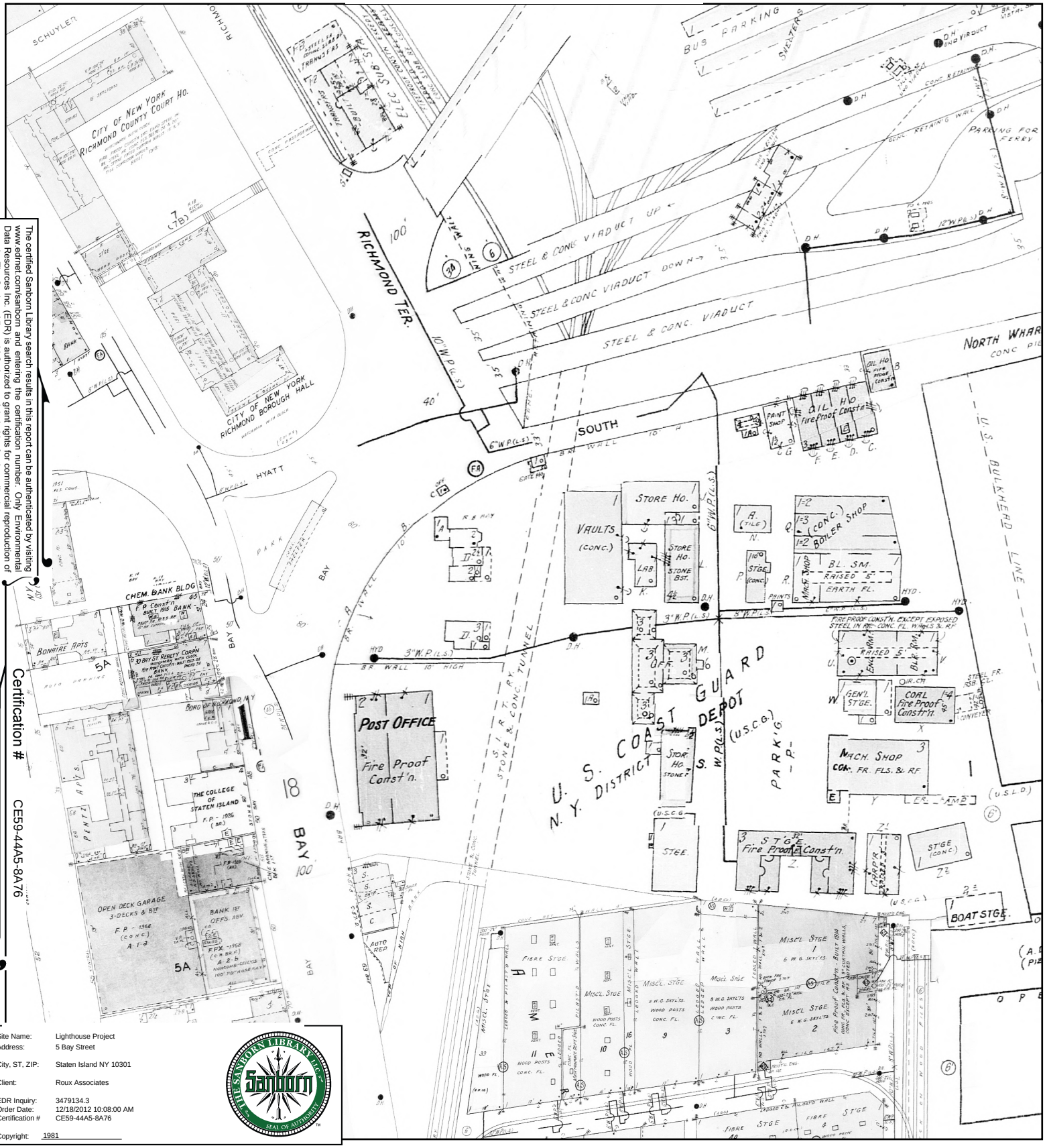
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1981 Certified Sanborn Map

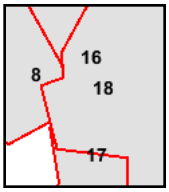


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1981

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

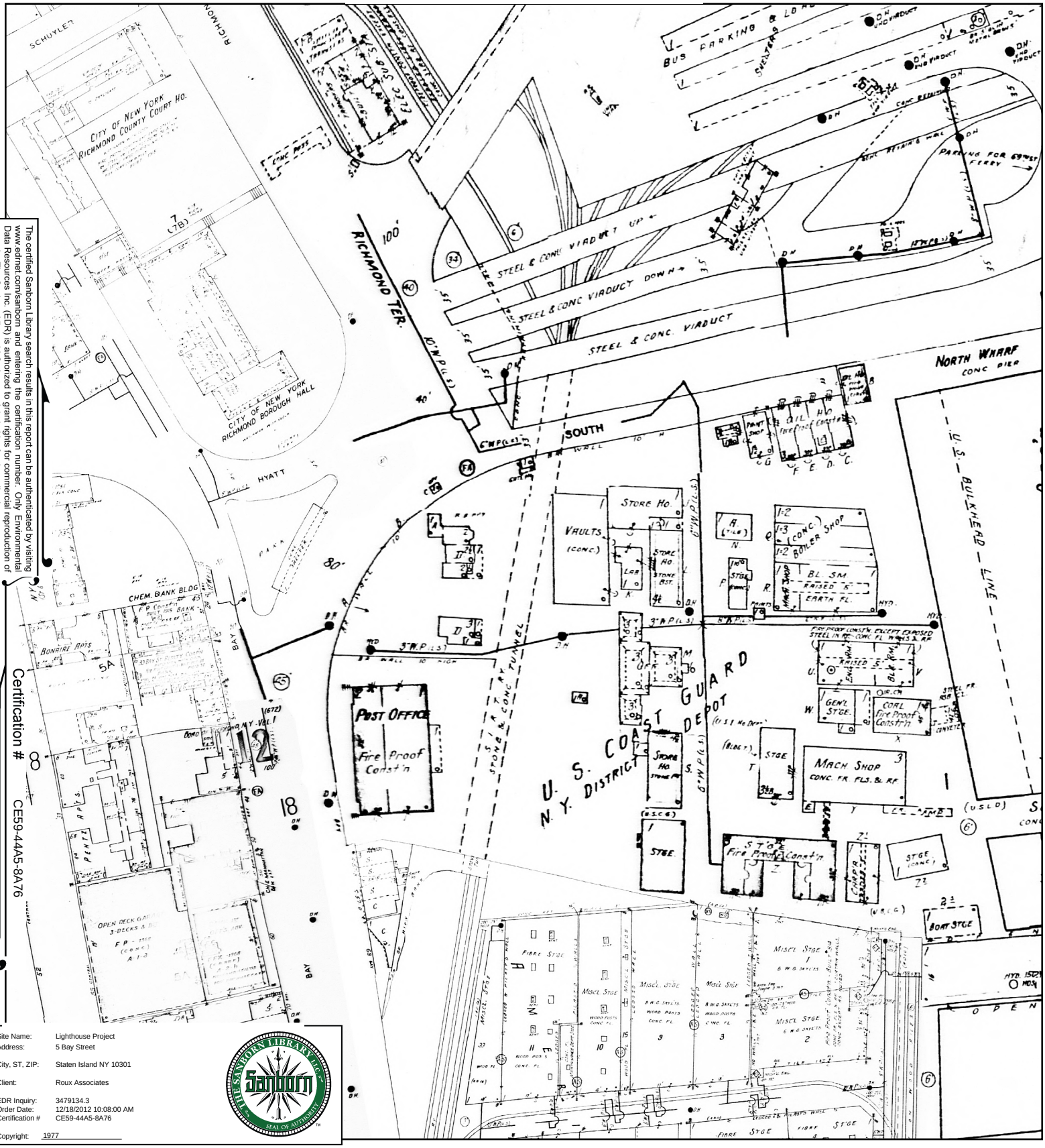


Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

0 Feet 150 300 600

N

1977 Certified Sanborn Map



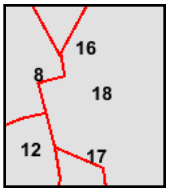
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1977

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

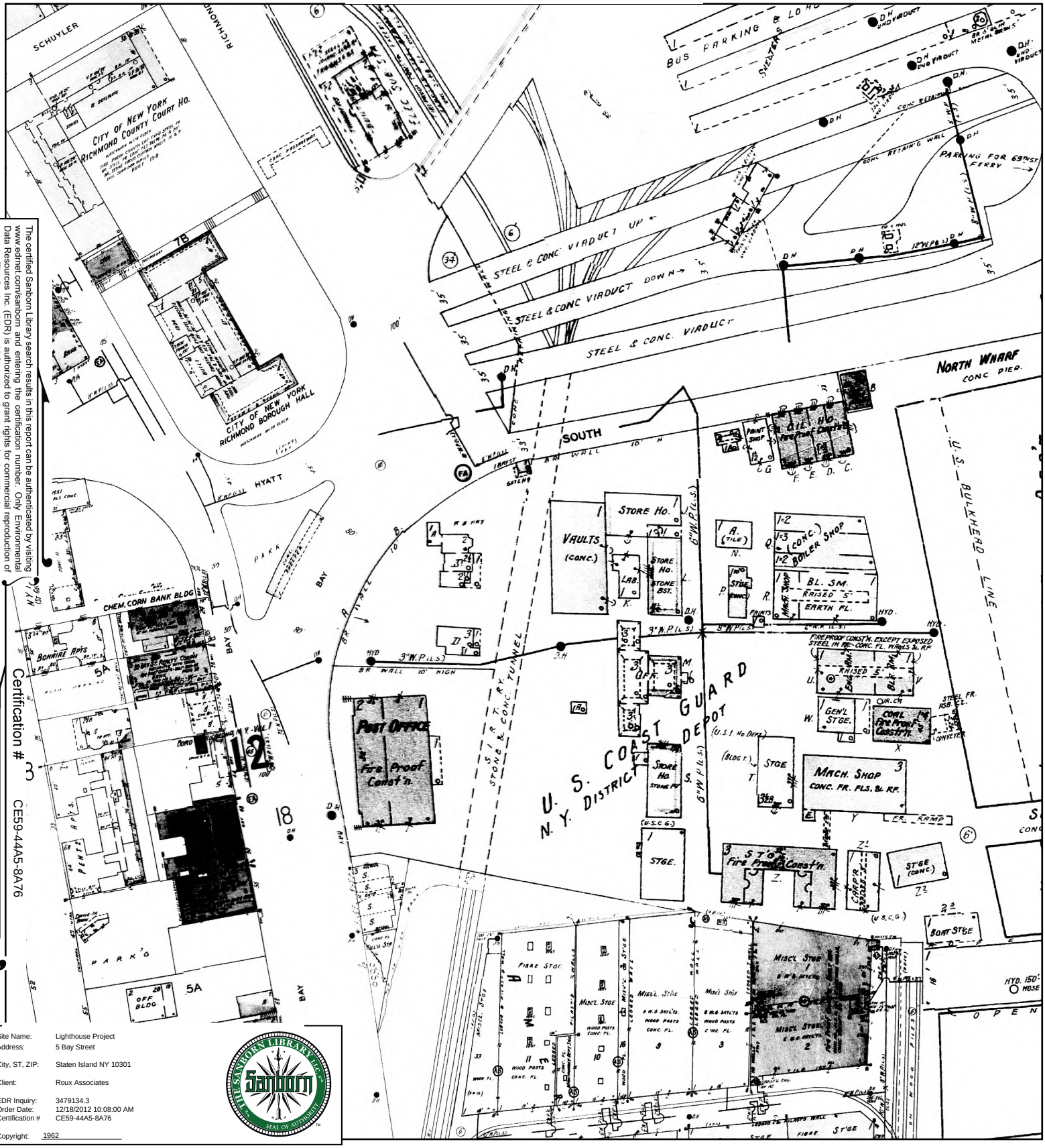
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1962 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.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.

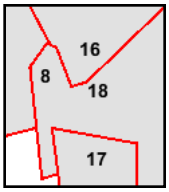
Certification # 3

CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1962

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

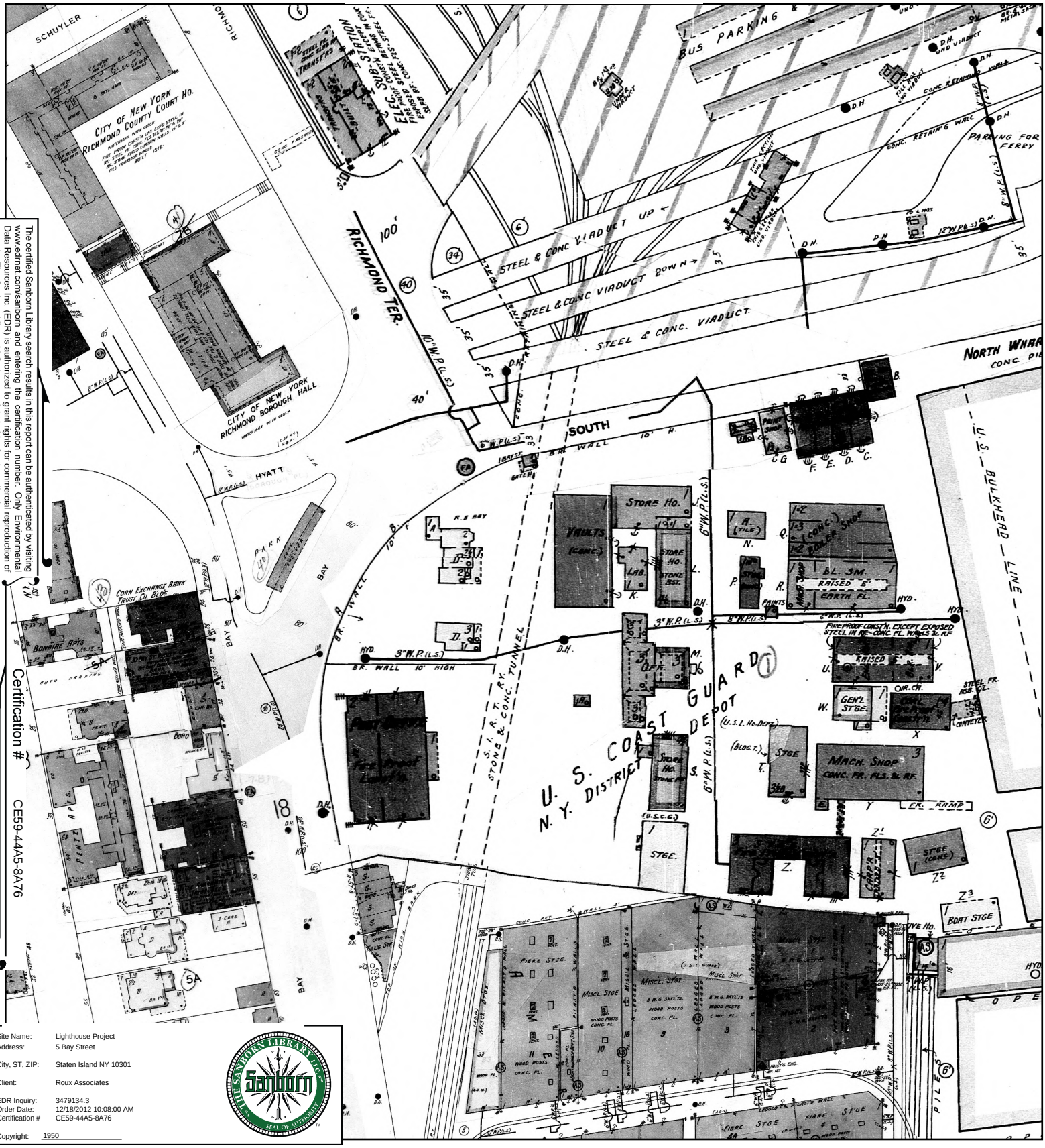
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1950 Certified Sanborn Map



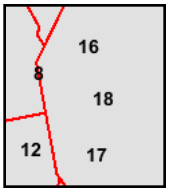
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1950

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

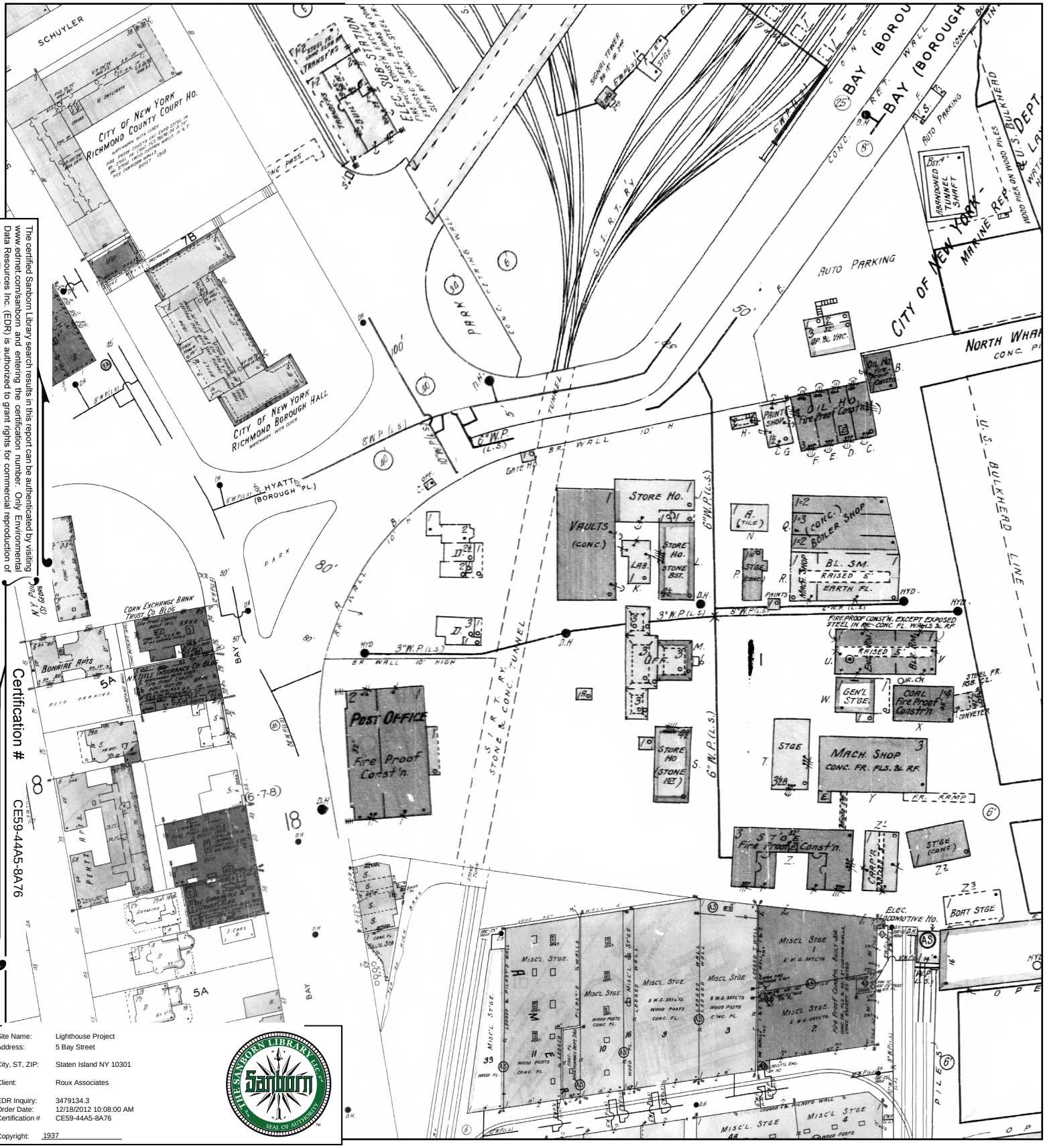
0 Feet 150 300 600



Volume 1, Sheet 8
Volume 1, Sheet 12
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

N

1937 Certified Sanborn Map

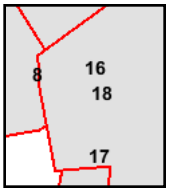


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1937

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

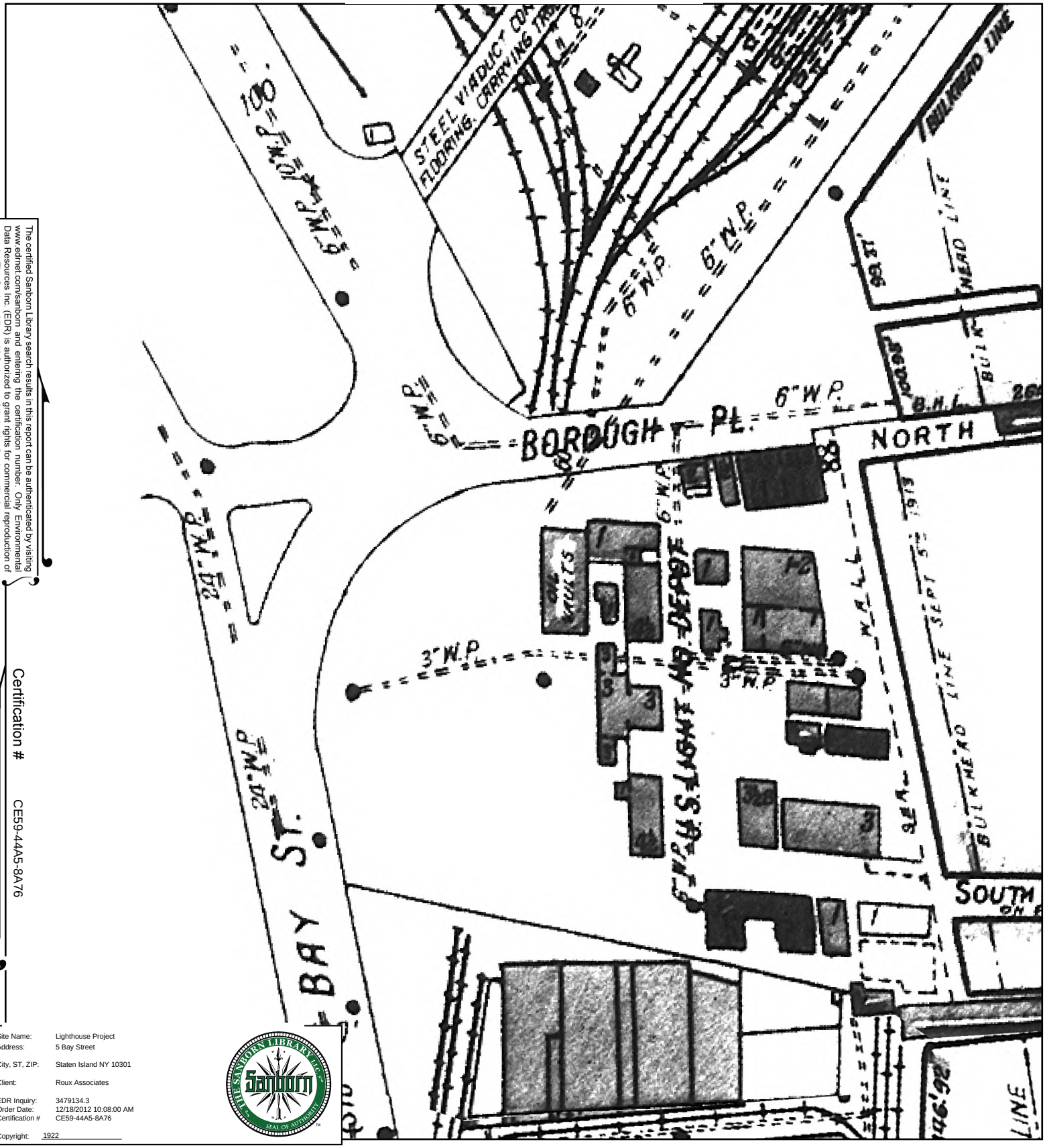


Volume 1, Sheet 8
Volume 1, Sheet 16
Volume 1, Sheet 17
Volume 1, Sheet 18

0 Feet 150 300 600

N

1922 Certified Sanborn Map



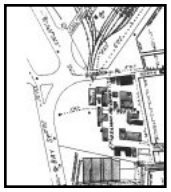
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

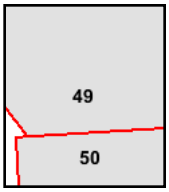
Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1922

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

0 Feet 150 300 600

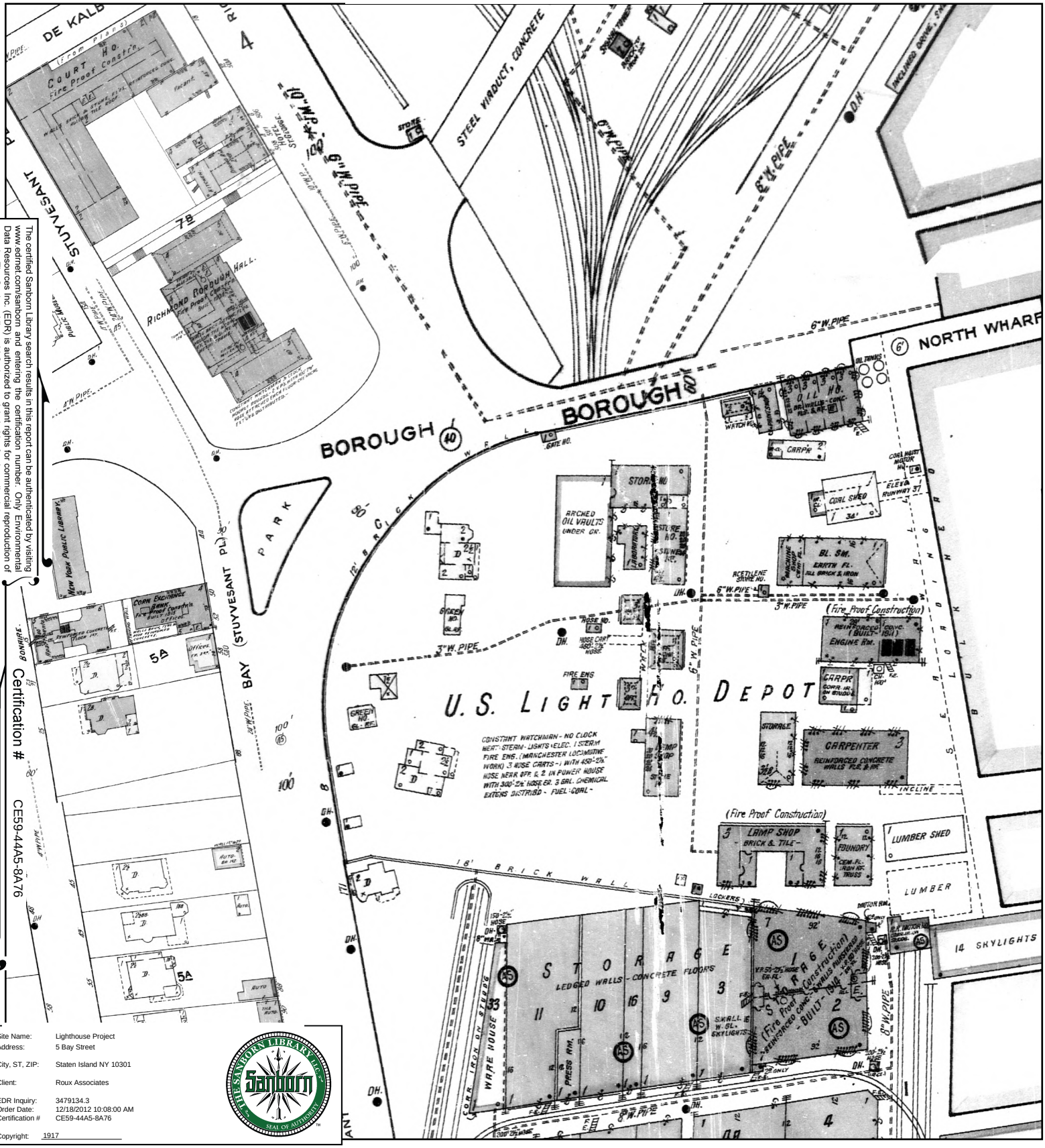




Volume Pier Maps, Sheet 49
Volume Pier Maps, Sheet 50

N

1917 Certified Sanborn Map



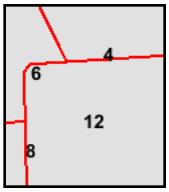
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1917

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

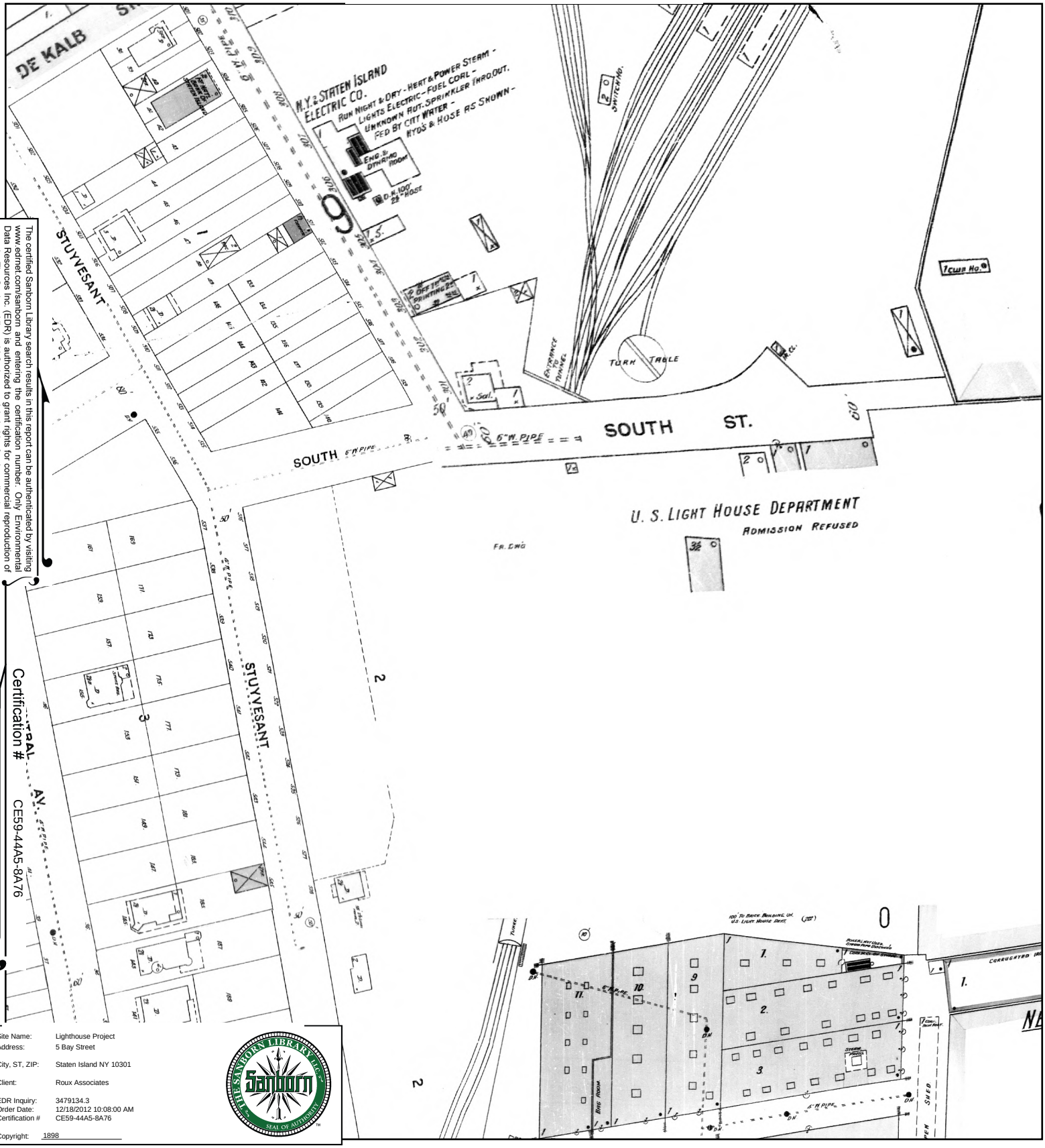
0 Feet 150 300 600



Volume 1, Sheet 4
Volume 1, Sheet 6
Volume 1, Sheet 8
Volume 1, Sheet 12

N

1898 Certified Sanborn Map

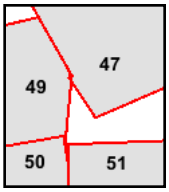


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright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

Certification # CE59-44A5-8A76

Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1898

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



Volume 1, Sheet 47
Volume 1, Sheet 49
Volume 1, Sheet 50
Volume 1, Sheet 51

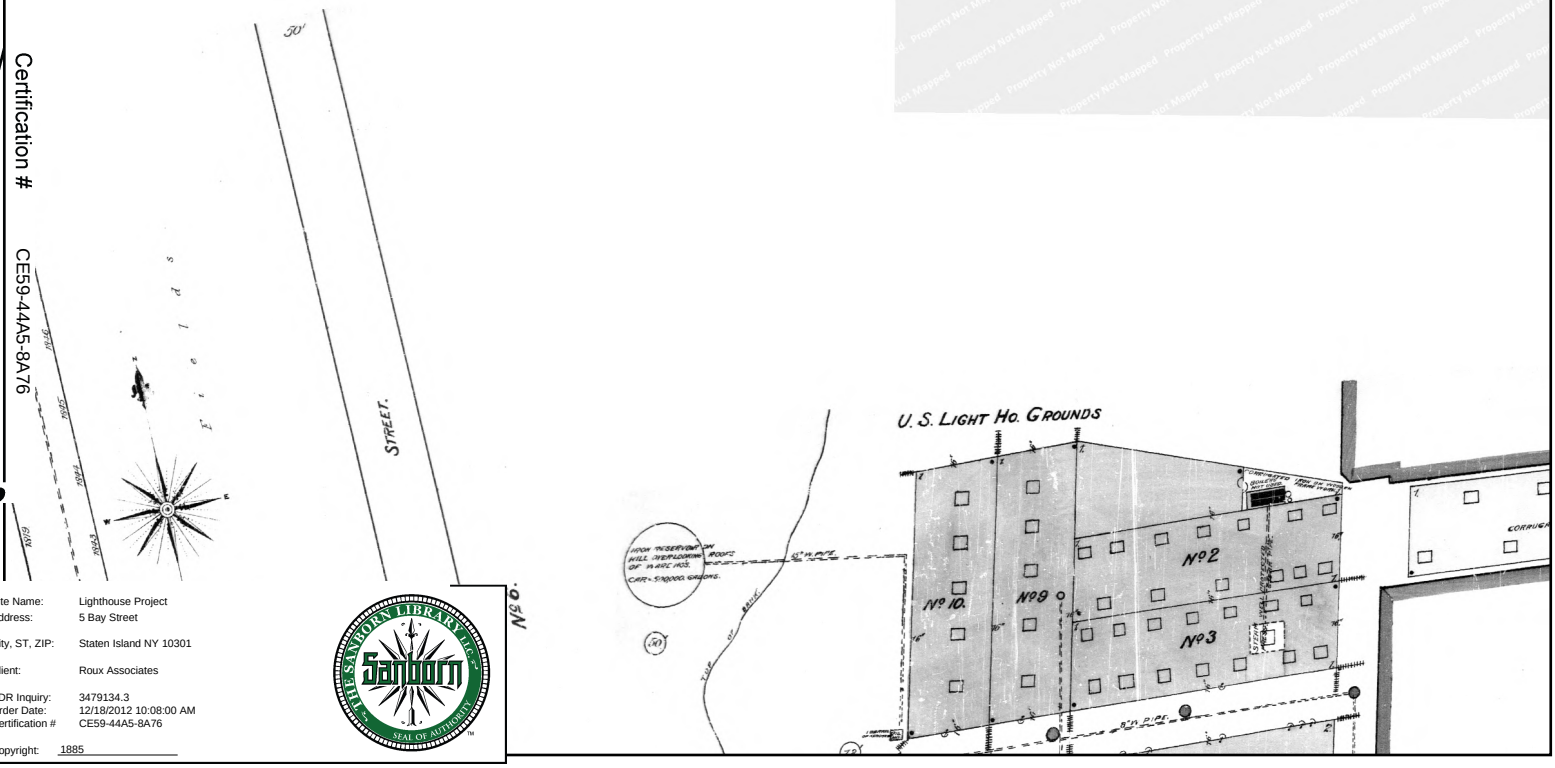
0 Feet 150 300 600

N

1885 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.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.

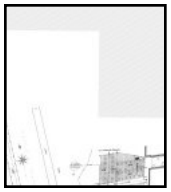
Certification # CE59-44A5-8A76

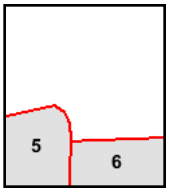


Site Name:	Lighthouse Project
Address:	5 Bay Street
City, ST, ZIP:	Staten Island NY 10301
Client:	Roux Associates
EDR Inquiry:	3479134.3
Order Date:	12/18/2012 10:08:00 AM
Certification #	CE59-44A5-8A76
Copyright:	1885

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

0 Feet 150 300 600





Volume 1, Sheet 5
Volume 1, Sheet 6

N

APPENDIX D

Historical Aerial Photographs

Lighthouse Project
5 Bay Street
Staten Island, NY 10301

Inquiry Number: 3479134.5
December 18, 2012

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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 OF 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.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

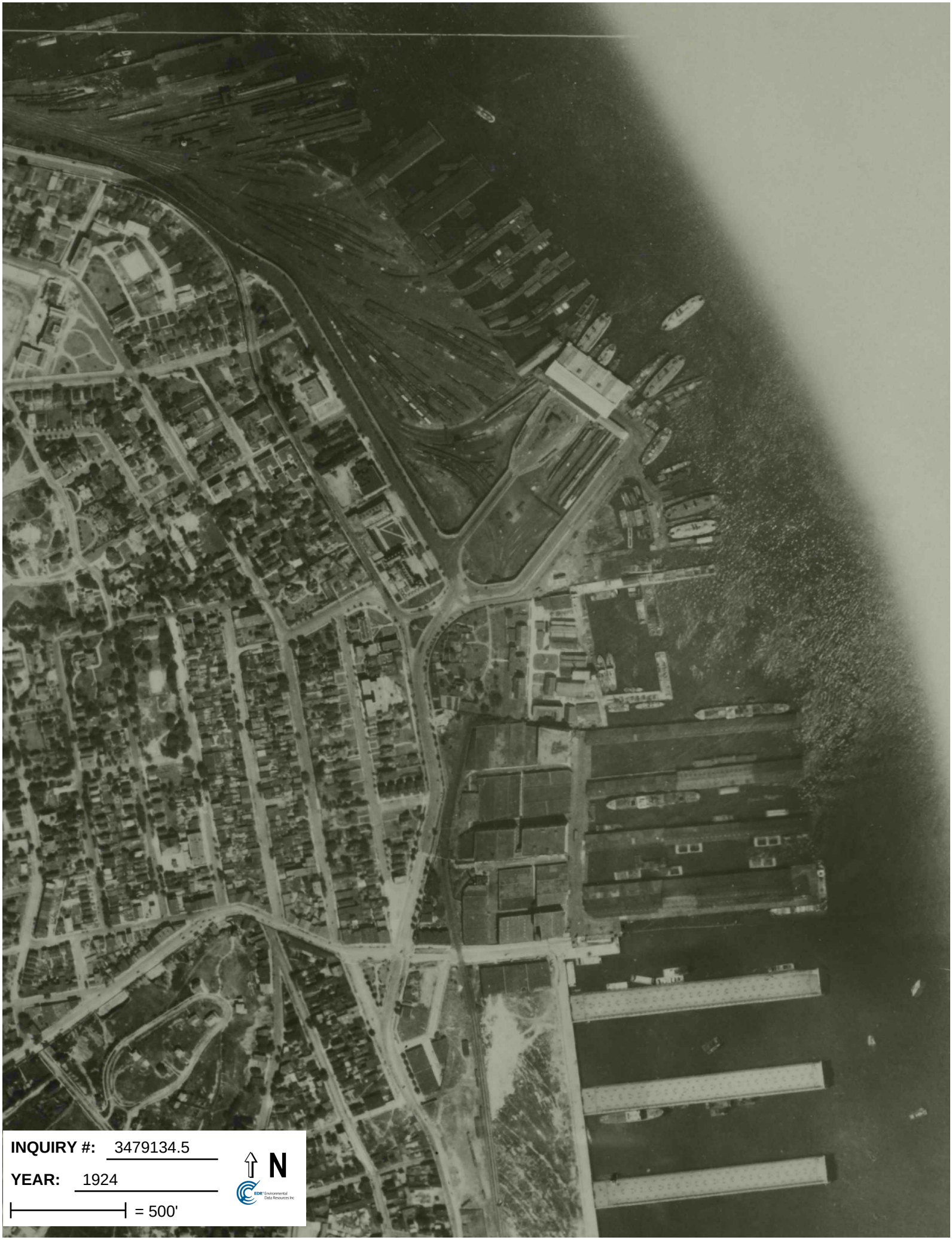
Aerial Photography December 18, 2012

Target Property:

5 Bay Street

Staten Island, NY 10301

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: July 01, 1924	EDR
1943	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: December 23, 1943	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: February 27, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: April 27, 1984	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Composite DOQQ - acquisition dates: March 29, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Year: 2008	EDR



INQUIRY #: 3479134.5

YEAR: 1924

= 500'

N

EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 1943
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 1954
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 1966
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 1975
= 500'
N
EDR Environmental Data Resources Inc

7-129
INQUIRY #: 3479134.5
YEAR: 1984
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5

YEAR: 1995

= 500'

N

EDR® Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 2006
= 500'
N
EDR Environmental Data Resources Inc

INQUIRY #: 3479134.5
YEAR: 2008
= 500'
N
EDR Environmental Data Resources Inc

APPENDIX E

Historical Topographic Maps

Lighthouse Project
5 Bay Street
Staten Island, NY 10301

Inquiry Number: 3479134.4
December 18, 2012

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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 OF 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.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map

N	TARGET QUAD NAME: STATEN ISLAND MAP YEAR: 1891 SERIES: 15 SCALE: 1:62500	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map

N	TARGET QUAD NAME: STATEN ISLAND MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

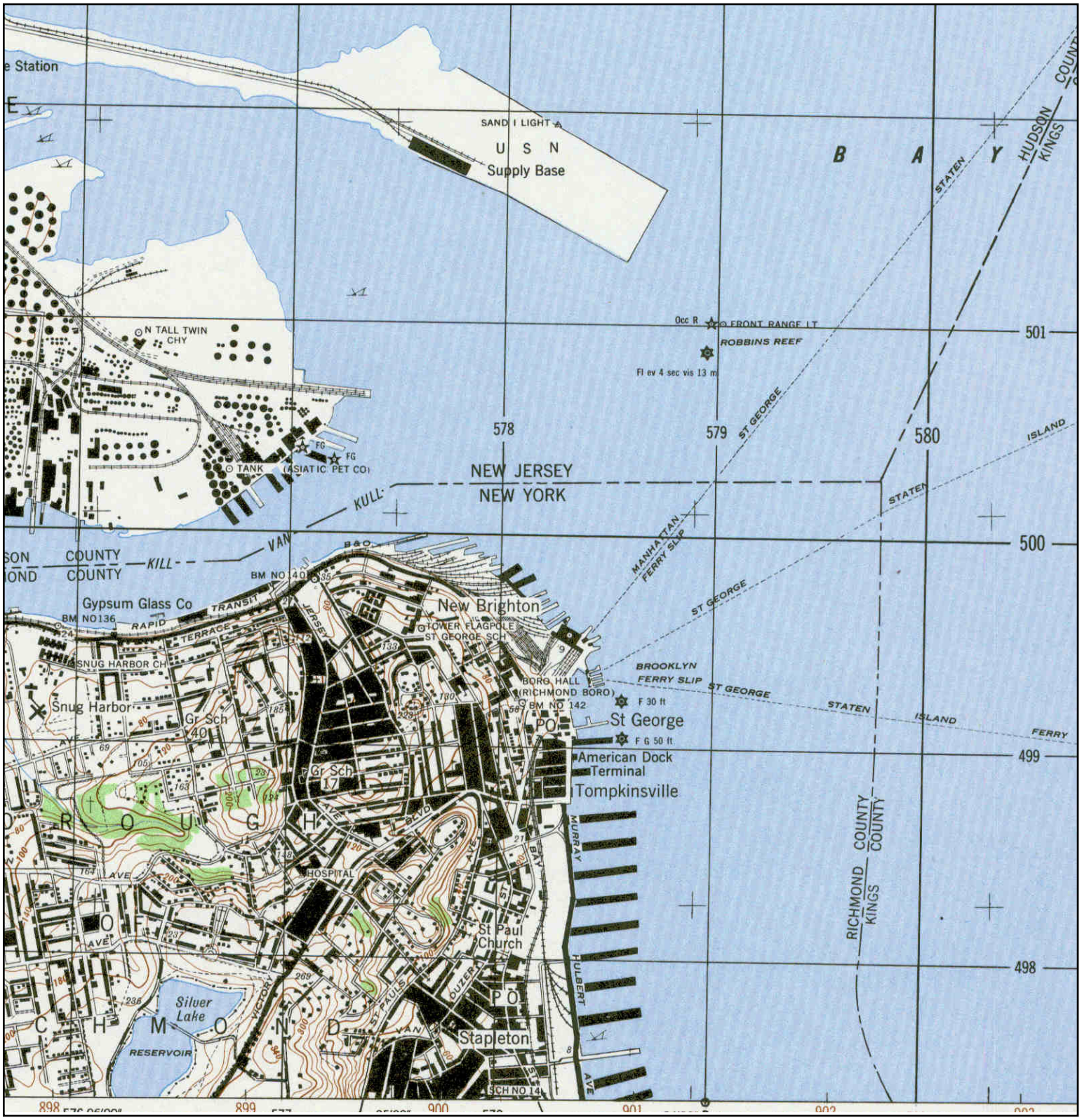
Historical Topographic Map

N ↑	TARGET QUAD NAME: PASSAIC MAP YEAR: 1900 SERIES: 30 SCALE: 1:125000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map

N	TARGET QUAD NAME: PASSAIC MAP YEAR: 1905 SERIES: 30 SCALE: 1:125000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map

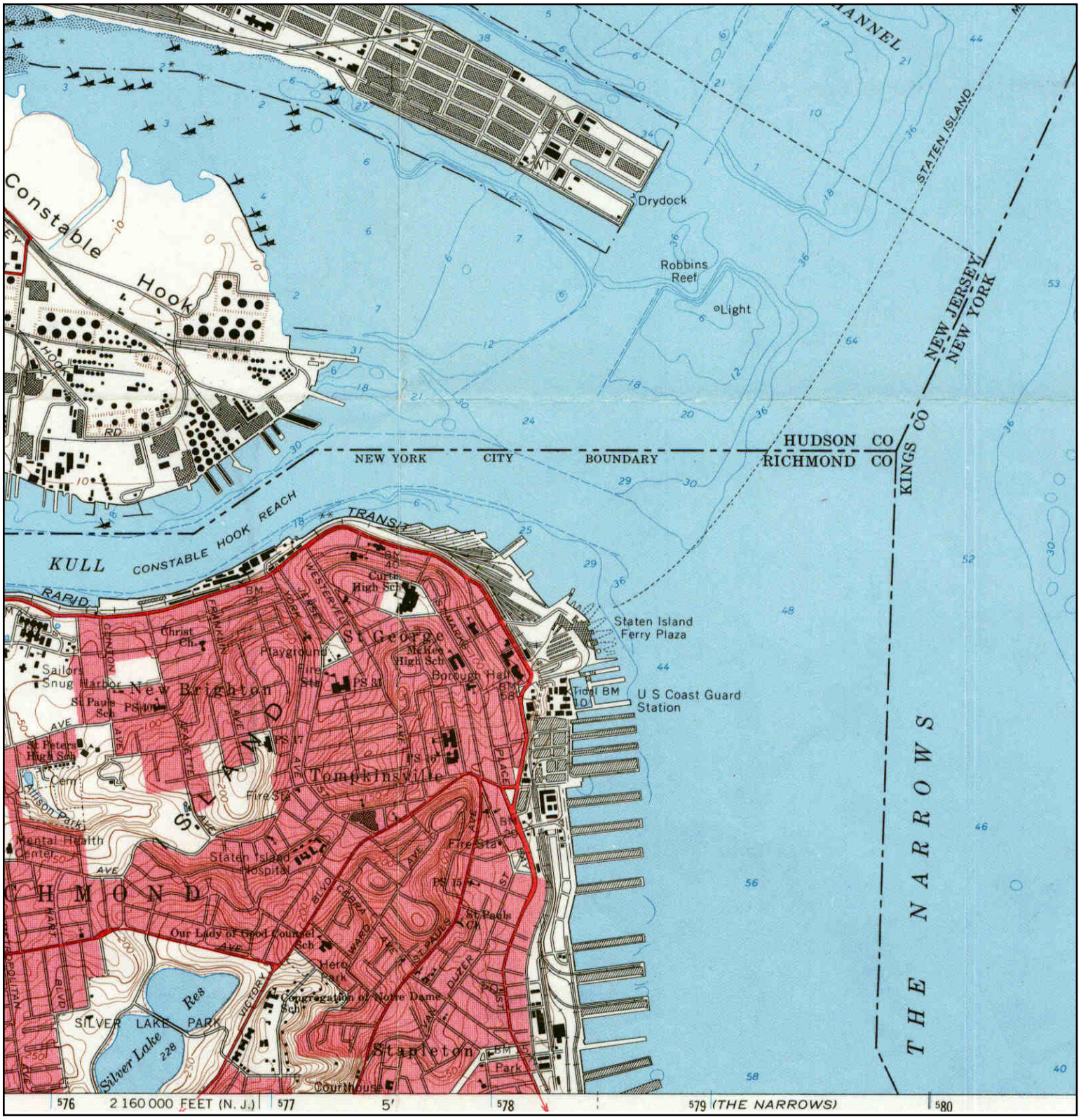


N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map

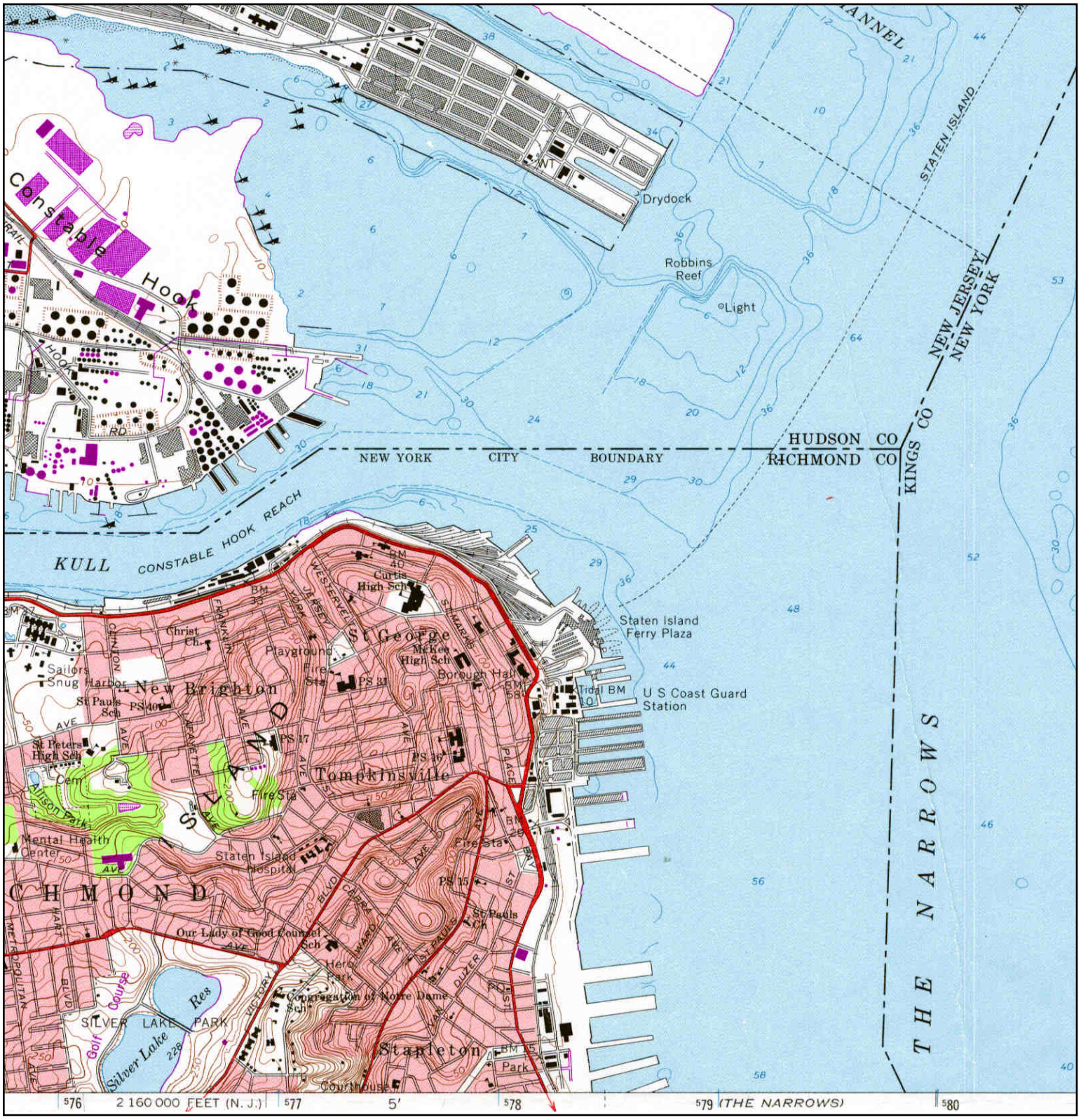
N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map



N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

Historical Topographic Map



N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1981 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Lighthouse Project ADDRESS: 5 Bay Street Staten Island, NY 10301 LAT/LONG: 40.6419 / -74.0751	CLIENT: Roux Associates CONTACT: Joseph Gavin INQUIRY#: 3479134.4 RESEARCH DATE: 12/18/2012

APPENDIX F

Lien Search Report

Lighthouse Project
5 Bay Street
Staten Island, NY

Inquiry Number: 3479134.7
December 22, 2012

The EDR Environmental LienSearch™ Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
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.

Disclaimer - Copyright and Trademark Notice

This report was prepared for the use of Environmental Data Resources, Inc., and Nationwide Environmental Title Research LLC, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WTH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and Nationwide Environmental Title Research LLC specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos are trademarks of Environmental Data Resources, Inc. or its affiliates.All other trademarks used herein are the property of their respective owners.

EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

Lighthouse Project
5 Bay Street
Staten Island, NY

RESEARCH SOURCE

Source 1: Richmond City Register
Source 2: Richmond County Clerk
Source 3: Richmond Department of Finance

DEED INFORMATION

Deed 1:

Type of Deed: Deed
Grantor: City of New York, Commissioner of General Services
Grantee: City of New York, a Municipal Corporation
Deed Recorded: 05/10/1984
Instrument: Book 26, Page 7534

LEGAL DESCRIPTION

Lot 60, Block 1, in the subdivision of Staten Island, Richmond NY, also commonly known as 5 Bay St., Staten Island, situated and lying in the City of Staten Island, Richmond County, State of New York

Property Identifier: Block 1 Lot 60

ENVIRONMENTAL LIEN

Found: ☐ Not Found: ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found: ☐ Not Found: ☒

EDR Environmental LienSearch™ Report

Deed - Exhibit

The People of the State of New York, by the Grace of God, Free and Independent, REL 26 PG 1750

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Know ye, *That* pursuant to Article 6, Section 75, subdivision 7 of the Public Lands Law, and Findings of the Deputy Commissioner of General Services dated September 21, 1983, and in consideration of the sum of Fifty-Five Thousand Dollars ($55,000.), lawful money of the United States of America, paid by City of New York, a municipal corporation organized under the laws of the State of New York, with its principal office and place of business at 100 Center Street, New York, New York, we have given and granted and by these presents do give and grant unto the said CITY OF NEW YORK, the owner of the land adjacent to the land hereinafter described, its successors or assigns, the following described premises:

All those lands now or formerly under the waters of New York Bay situate in the County of Richmond, City and State of New York, bounded and described as follows:

Beginning at a point on the original low water line of New York Bay and the northeast corner of a grant of uplands to the United States of America dated 18 June 1814, said point being North sixty-seven degrees fifty-four minutes eighteen seconds East six hundred ninety and ninety-nine hundredths feet from Richmond Co. Topo. Bureau Mon. #2630, coordinates S6035.548, W9128.817, running thence partially along a grant of lands under water to the United States of America dated June 18, 1867, North eighty degrees twelve minutes twenty-six seconds East eighty-seven and ninety-five hundredths feet to a point on the U.S. Bulkhead Line, approved by the Secretary of War 30 October 1915, thence along said bulkhead line South twelve degrees fifty-three minutes zero seconds East five hundred thirty-four and ninety-two hundredths feet to a point on the northerly line of a grant of land under water to the United States of America dated 25 August 1868, thence along said grant South eighty degrees thirty-two minutes twenty-six seconds West one hundred ninety-three and eighty-eight hundredths feet to its northwesterly corner, thence South fifteen degrees fifteen minutes twenty-nine seconds West forty-seven and fifty-one hundredths feet to a point on the division line between the property of the United States of America and Ari Staten, Inc., thence along said line North eighty-one degrees fourteen minutes zero seconds West thirty-two and eighty-five hundredths feet, thence along an easterly line of a grant of land to the United States of America dated 25 August 1868 North nine degrees two minutes twenty-six seconds East forty-seven and thirty-nine hundredths feet, thence along the northerly line of said grant North eighty degrees fifty-seven minutes thirty-four seconds West one hundred forty-four and one tenth feet to a point on the original low water mark, the southeasterly corner of a grant of land to the United States of America dated 18 June 1814, thence along said grant North thirty-five degrees two minutes twenty-six seconds East one hundred ninety-four and two hundredths feet, and North eight degrees forty-two minutes twenty-

51

six seconds East three hundred fifty-four and ninety-eight hundredths feet to the point of beginning, containing one hundred nine thousand seven hundred ninety-eight square feet, more or less of which sixty-eight thousand four hundred seventy square feet, more or less are filled in.

All bearings and coordinates are referred to the rectangular coordinate system established by the City of New York for the Borough of Richmond which is perpendicular and parallel to the meridian through U.S.C. & G.S. Sta. "Bogart" at Todt Hill, S.I.

REEL 26 PAGE 7531

BU 26 7532

IN WITNESS WHEREOF, our Deputy *Commissioner of General Services has executed these letters patent in our name this* 21st *day of* September, *19* 83

THE PEOPLE OF THE STATE OF NEW YORK

By .....

RICHARD J. VAN ZANDT
Deputy *COMMISSIONER OF GENERAL SERVICES*

STATE OF NEW YORK }
DEPARTMENT OF STATE } *ss.:*

I hereby certify that the Great Seal of the State of New York was hereto affixed on the 26th *day of* September, *19* 83

.....
James C. Aube, Special *Executive Deputy Secretary of State*

Approved as to form this 26th *day of* September, 19 83

ROBERT ABRAMS
Attorney General

By .....

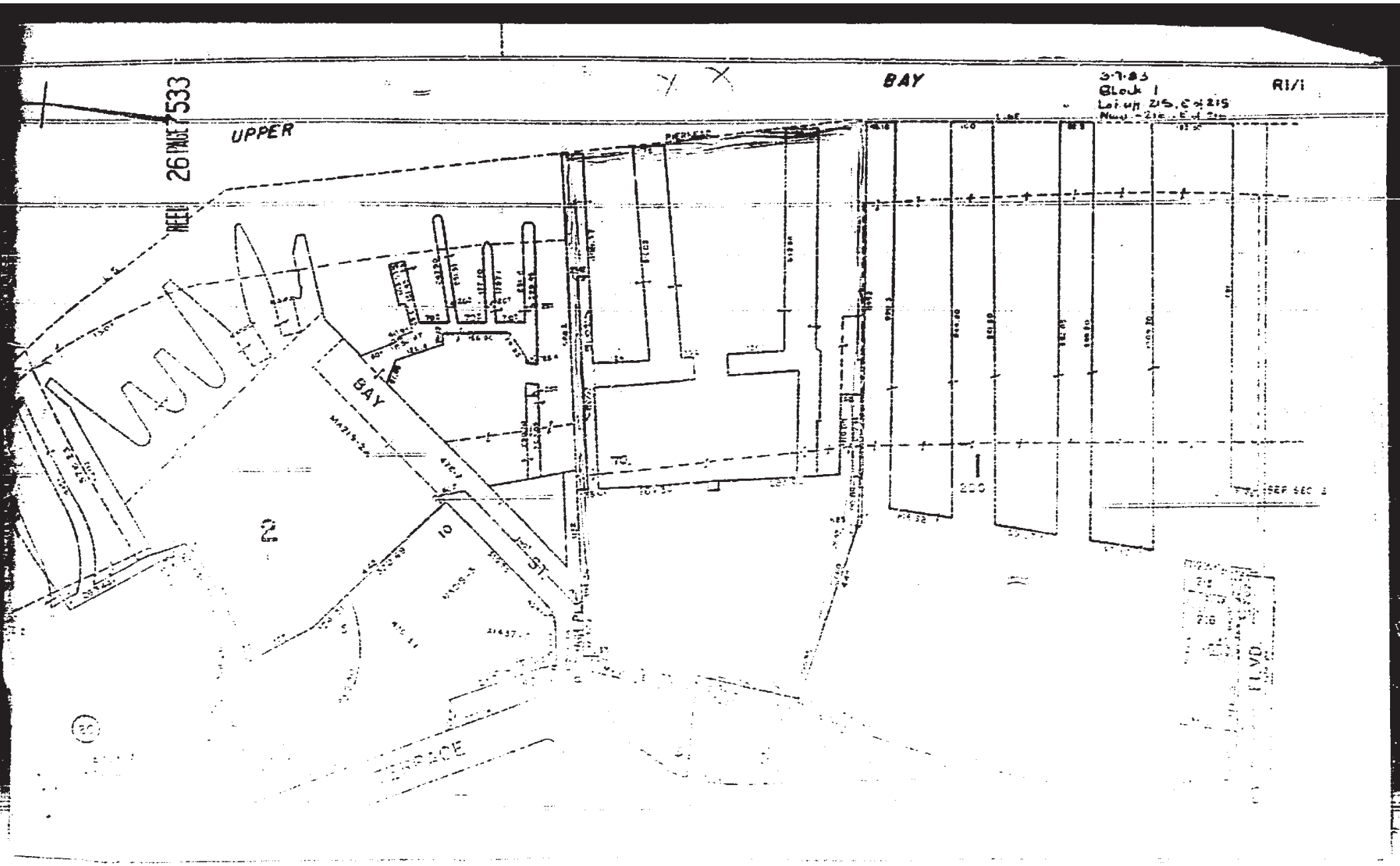
Assistant Attorney General

Approved this 27th *day of* October, 19 83

EDWARD V. REGAN
State Comptroller

By .....

53


26 PAGE 533
UPPER
BAY
3-7-83
Block 1
R1/1
BAY
ST
200

Recorded Fee $ NO FEE No. 36778

The People of the State of New York

TO

CITY OF NEW YORK

LETTERS PATENT

STATE OF NEW YORK
Department of State

May 1, 1984
Recorded in Book of Patents

No. 87 *at page* 51

GAIL S. SHAFFER
Secretary of State

By [signature]
Mrs. Lillian W. Countryman
~~Miscellaneous Records~~

TAX BLOCK 1
LOT 70 - P/O 60

STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
ALBANY, N.Y. 12242

RECORD & RETURN TO
FREDERICK A.O. SCHWARZ, JR.
CORPORATION COUNSEL
100 CHURCH STREET
NEW YORK, N.Y. 10007
5th FLOOR
SECTION D - R 25

DLU-16 (11/79)

RECORDED IN RICHMOND COUNTY
ON MAY 10 1984 A.M.
[signature]
COUNTY CLERK

54

EDR Environmental LienSearch™ Report

Property Profile - Exhibit

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

5 BAY STREET
BAY STREET 5 - 5

STATEN ISLAND 10301

Health Area	: 500
Census Tract	: 3
Community Board	: 501
Buildings on Lot	: 7

BIN# 5131766

Tax Block	: 1
Tax Lot	: 60
Condo	: NO
Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

- Elevator Records
- Electrical Applications
- Permits In-Process / Issued
- Illuminated Signs Annual Permits
- Plumbing Inspections
- Open Plumbing Jobs / Work Types
- Facades
- Marquee Annual Permits
- Boiler Records
- DEP Boiler Information
- Crane Information
- After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

ECB Query By Location

NO ECB RECORDS FOUND

Page:

Premises: 5 BAY STREET STATEN ISLAND **BIN: 5131766 Block: 1 Lot: 60 CB: 501**

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due

Compliance Status (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB Hearing Status and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	**ECB Hearing Status**
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX G

Historical City Directory

Lighthouse Project
5 Bay Street
Staten Island, NY 10301

Inquiry Number: 3479134.6
December 18, 2012

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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 orforecast 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.

Copyright 2012 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1928 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 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.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2012	Cole Information Services	-	X	X	-
2007	Cole Information Services	-	X	X	-
2005	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	X	X	X	-
1995	NYNEX	-	X	X	-
1990	NYNEX Information Resource Company	-	X	X	-
1984	New York Telephone	-	X	X	-
1979	New York Telephone	-	X	X	-
1975	New York Telephone Company	X	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone Company	-	X	X	-
1960	New York Telephone Company	-	X	X	-
1934	R. L. Polk Co.	-	X	X	-
1928	New York Telephone	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

5 Bay Street
Staten Island, NY 10301

FINDINGS DETAIL

Target Property research detail.

Bay

5 Bay

Year	*Uses*	*Source*
2000	3D B E Ashford	Cole Information Services
	B Richard L Murphy	Cole Information Services
	Bella H Villacorta	Cole Information Services
	C Joseph Anderson	Cole Information Services
	Daniel Bord	Cole Information Services
	Daniel Wogas	Cole Information Services
	F A Canino	Cole Information Services
	G Y F Payne	Cole Information Services
	J Schildnecht	Cole Information Services
	James J Stewart	Cole Information Services
	John Wall	Cole Information Services
	K Sheila Schechner	Cole Information Services
	M M Tully	Cole Information Services
	Michael Avitzur	Cole Information Services
	Michael Bittle	Cole Information Services
	Murray Brenner	Cole Information Services
	Patricia Bonadonna	Cole Information Services
	Robert Richards	Cole Information Services
	Robert Rovinsky	Cole Information Services
	Robert Sarro	Cole Information Services
	S Bokser	Cole Information Services
1975	JACOBS JOHN M	New York Telephone Company

FINDINGS

ADJOINING PROPERTY DETAIL

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

BAY

10 BAY

Year	Uses	Source
1995	B S L One Owners Cbro	NYNEX
	WOLFE N S	NYNEX

17 BAY

Year	Uses	Source
1995	Island Condo Management	NYNEX

19 BAY

Year	Uses	Source
1934	Lindinger Jos porter r	R. L. Polk Co.

20 BAY

Year	Uses	Source
1995	LOFFRENO Anne	NYNEX

26 BAY

Year	Uses	Source
1995	Nicklous & Nicholas	NYNEX
	Mystic Recording Studios Inc	NYNEX
	Nicklous & Nichlos	NYNEX
	Nexcom Naval Station	NYNEX
	Frey Lester T Inc	NYNEX
	Consultants Unlimited Inc	NYNEX
	Consultants Unlimited Inc	NYNEX
	Computer Resources & International Svcs Ltd	NYNEX
	Computer Resources & International Svcs Ltd	NYNEX
	Alpha Data Systems	NYNEX
	Nexcom Naval Station	NYNEX
	ANGELILES Stephen	NYNEX

FINDINGS

28 BAY

Year	Uses	Source
1995	Staten Isl Career Training	NYNEX
1990	CORNELL COOPERATIVE EXTENSION STATEN ISLAND	NYNEX Information Resource Company

30 BAY

Year	Uses	Source
1995	Gross Avery J lwyr	NYNEX
	BAKER Abraham A CPA	NYNEX
	De Boissiere Robert J & Assocs	NYNEX
	Murphy James T atty	NYNEX
	A Bankruptcy Analysis	NYNEX
	AMOURY ROBERT J atty General Practice Of Law	NYNEX
	Avins Industrial Prods Corp	NYNEX
	Baker Abraham A CPA	NYNEX
	Dataware Systems Lease Inc	NYNEX
	Freedom Finance Co Inc	NYNEX
	AMOURY Robert J atty	NYNEX
	Werb Lewis atty	NYNEX
	Werb Jos atty	NYNEX
	Tropp Charles R lwyr	NYNEX
	Sigelman Sidney atty	NYNEX
	Savage Bernard G atty	NYNEX
	Newell Title Agency Inc	NYNEX
1934	Staten Island Exhibition Co Inc NY Wm Jaenicke pres Hal J Squier v pres Walter P Kane sec Philiph H Hoblin treas	R. L. Polk Co.

32 BAY

Year	Uses	Source
1995	Bay Sreet Card Shop	NYNEX
	Saint George Mens Hair Stylists	NYNEX

36 BAY

Year	Uses	Source
1995	Mannys Shoe Repair	NYNEX
	Mannys Shoe Repair	NYNEX
	AA Best Income Tax Svc	NYNEX

FINDINGS

40 BAY

Year	Uses	Source
1995	Clipper The	NYNEX
	Saint George Clipper	NYNEX

45 BAY

Year	Uses	Source
1995	U S Govt Social Security Hearing And Appeals	NYNEX
	U S Gove IRS	NYNEX
	Fedcap Rehabilltation Services Inc	NYNEX
	Triad Project Management Svcs Inc	NYNEX

56 BAY

Year	Uses	Source
1995	Seigel Martin H atty	NYNEX
	Senior Care Corp	NYNEX
	Senior Housing Resource Corp	NYNEX
	Community Agency For Senior Citizens Of Staten Island	NYNEX
	Alexandria Intenational Trading Co	NYNEX
	Camelot Counseling Centers	NYNEX
	Camelot Of Staten Island Inc	NYNEX
	Casc Community Angeny For Senior Citizens	NYNEX
1934	Brubaker Arth treas Kiwanis Club of Staten Island r	R. L. Polk Co.

57 BAY

Year	Uses	Source
1995	Van den Houten W F atty	NYNEX
	Pavis Matthew lwyr	NYNEX
	MORSE NORMAN C atty	NYNEX
	MINARDO PHILIP G lwyr	NYNEX
	Legal Aid Society	NYNEX
	Brandes & Filler	NYNEX
	LEGAL AID SOCIETY Jurere Rights Division Manhattan Law Office	NYNEX
	Staten Island Office	NYNEX
	Filler Martin M	NYNEX
1934	Varon David archt	R. L. Polk Co.

FINDINGS

58 BAY

Year	Uses	Source
1934	Herrmann Saml r	R. L. Polk Co.

60 BAY

Year	Uses	Source
1995	Allied St George Corp	NYNEX
	American Parkinsons Disease Assoc Inc	NYNEX
	Angiuli Gary C atty	NYNEX
	Angiuli Poznansky Katkin Gentile & Serafino	NYNEX
	Best Care Inc	NYNEX
	C & S Business Svces	NYNEX
	Caruso Spillane Contrastano & Utaner atty	NYNEX
	Chemical Marketing Research Association	NYNEX
	Continental Auto Parts Inc	NYNEX
	Corash & Hollender PC	NYNEX
	Ducey Marylou atty	NYNEX
	Fadian & Assocs Inc	NYNEX
	Fonte Mark J atty	NYNEX
	Gaia Associates Inc	NYNEX
	Gardena Fruit Bar Corp	NYNEX
	GATEWAY STATE BANK	NYNEX
	GATEWAY STATE BANK	NYNEX
	Gateway State Bank	NYNEX
	Gent Line group bridging	NYNEX
	Gentile Anna Marie	NYNEX
	GILROY F ELIX T	NYNEX
	Hollender Paul atty	NYNEX
	International Insurance Brokers Inc	NYNEX
	Katkin Alan S atty	NYNEX
	LASSER MYRON GATTORNEY PROFESSIONAL CORP	NYNEX
	Lee David Olaf CPA	NYNEX
	Leventhal Jason	NYNEX
	Mckenna Jeremiah B atty	NYNEX
	Mckenna & Nachison attys	NYNEX
	Mc Vay George E atty	NYNEX
	Omni Computing Systems Inc	NYNEX
	Omni Computing Systems Inc Fax number	NYNEX

FINDINGS

Year	Uses	Source
1995	Palmiotto & Assocs Inc	NYNEX
	PETERSON DENNIS J lawyer	NYNEX
	Policy Sciences Center Inc	NYNEX
	Poznansky Johnathan H atty	NYNEX
	Richard Corash atty	NYNEX
	Richmond Benefits	NYNEX
	Saint Marks Enterprises	NYNEX
	Serafino Barbara	NYNEX
	Shalchi Hadi	NYNEX
	Sullivan John atty	NYNEX
	Sylvan Technology Center	NYNEX
	Titone Vito J Judge court of appeals	NYNEX
	Ungar Leonard CPA	NYNEX
	Allied St George Corp	NYNEX
	All Criminal Matters	NYNEX
1984	METROPOLITAN LIFE INSURANCE COMPANY STATEN ISLAND DATA CENTER ANNUITY BUSIN	New York Telephone

70 BAY

Year	Uses	Source
1995	N Y State Division Of Parole	NYNEX
	Sams Pizzeria & More	NYNEX
	Sams Pizza	NYNEX

BAY AVE

22 BAY AVE

Year	Uses	Source
1995	RUGGIERO Nick	NYNEX

BAY ST

1 BAY ST

Year	Uses	Source
2012	PETRIC & ASSOCIATES INC	Cole Information Services
	UNITED CARS	Cole Information Services
	REICON GROUP	Cole Information Services
	STATUE OF LIBERTY DELI	Cole Information Services
	ISLANDSOFT PRETZEL	Cole Information Services

FINDINGS

Year	Uses	Source
2012	SUBWAY SANDWICHES	Cole Information Services
2007	BARNEY SKANSKA CONSTRUCTION CO	Cole Information Services
2005	R h Kline RJ A	Hill-Donnelly Information Services
	h ULiao Diane AV	Hill-Donnelly Information Services
	Tax Prep Is	Hill-Donnelly Information Services
	Barney Skanska Construction Co	Hill-Donnelly Information Services
	PTL Construction Corp St	Hill-Donnelly Information Services
	Staten Island Ferry	Hill-Donnelly Information Services

10 BAY ST

Year	Uses	Source
2005	Mc Laughlin Philip W 0 oi	Hill-Donnelly Information Services
	BSL Owners Corp o oi	Hill-Donnelly Information Services
	Bekheit Soad v	Hill-Donnelly Information Services
1995	LIGHT Edward	NYNEX
	MAJOR Timothy G	NYNEX
1990	TUGETMAN MICHAEL	NYNEX Information Resource Company
	FICARRA JOSEPH	NYNEX Information Resource Company
1984	FULLER CANDICE & ROBERT	New York Telephone

2 BAY ST

Year	Uses	Source
2000	Isabel Iza	Cole Information Services
	Entrprnrs Elt Crps	Cole Information Services
	A Cristian Cnollo	Cole Information Services
	Y Washingtonwheat	Cole Information Services
	Rosebank Tavern	Cole Information Services
	Arthur Snyder	Cole Information Services
	Crown Trophy	Cole Information Services
	Marie Prevosti	Cole Information Services
	Rosebank Tavern	Cole Information Services
	New Classy Clnrs	Cole Information Services

20 BAY ST

Year	Uses	Source
2005	Peeples D vo	Hill-Donnelly Information Services
	HGraham M VI	Hill-Donnelly Information Services
	Chang Terry Vv	Hill-Donnelly Information Services
	Bromelmeier Martha	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2000	23 24 NP	Cole Information Services
1990	HILLESTAD JAMES A LDG	NYNEX Information Resource Company

24 BAY ST

Year	Uses	Source
2005	Chemical Bank I F	Hill-Donnelly Information Services

26 BAY ST

Year	Uses	Source
2012	THE CONTI GROUP	Cole Information Services
	2020 POWER VISION LIMITED	Cole Information Services
	NASDI LLC	Cole Information Services
	COMPUTER RESOURCES & INTERNATIONAL S	Cole Information Services
2007	CONNECT 2 INTERNET NETWORKS INC	Cole Information Services
2005	Premier Networks Inc Is	Hill-Donnelly Information Services
	Light Wave Studios	Hill-Donnelly Information Services
2000	Stephen Angelides	Cole Information Services
	Voson Inc	Cole Information Services
	Alpha Data Systems	Cole Information Services
1934	Watson Walter Reno Inc NY Walter R Watson pres treas Agnes L Watson v pres Chas L Watson see real est	R. L. Polk Co.
	Schneider Geo J lawyer	R. L. Polk Co.
	OConnell Danl R lawyer	R. L. Polk Co.
	Maloy Agency Inc NY Edw J Maloy pres Frank B Cassidy v pres treas Harold B Beves see Ins	R. L. Polk Co.
	Kelly Jas P Mabel lawyer	R. L. Polk Co.
	Hart Chas F & Son Chas F & Albert B engineers	R. L. Polk Co.
	Hall W S E Co Walter S E Hall real est and ins	R. L. Polk Co.
	Dullea Chas B Harda lawyer	R. L. Polk Co.

28 BAY ST

Year	Uses	Source
2007	SI EMPLOYMENT EDUCATION CONSORTIUM	Cole Information Services
	STATEN ISLAND EMPLOYEE ED CNSTRM	Cole Information Services
2005	Staten Island Employment Ed	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	S I Emp Ed Cnsrtm 1 a	Hill-Donnelly Information Services
2000	Statea Isle Emp	Cole Information Services
	S I Emp Ed Cnstrn	Cole Information Services

3 BAY ST

Year	Uses	Source
2000	B S One Owners Crp	Cole Information Services
	R M Wahtera	Cole Information Services
	R Carol Summar	Cole Information Services
	R Lee Nolan	Cole Information Services
	Storks Nest	Cole Information Services
	Eleganza Hairport	Cole Information Services
	M S Vonskal	Cole Information Services
	New Multiservices	Cole Information Services
	FL James J Rownan	Cole Information Services

30 BAY ST

Year	Uses	Source
2012	TROPP CHARLES R	Cole Information Services
	VOTTO & CASSATA LLP	Cole Information Services
	MUNICIPAL DATA SERVICES INCORPORATED	Cole Information Services
	STATEN ISLAND MENTAL HEALTH SOCIETY	Cole Information Services
	DE BOISSIERE ROBERT J	Cole Information Services
	ARBOR EDUCATION & TRAINING	Cole Information Services
	DEPENDABLE PEST EXTERMINATION SERVIC	Cole Information Services
	GROSS AVERY J	Cole Information Services
2007	THIRTY BAY STREET CO	Cole Information Services
	HORIZON MANAGEMENT OF NEWYORK INC	Cole Information Services
	DATAWARE SYSTEMS LEASE INC	Cole Information Services
	DE BOISSIERE ROBERT J	Cole Information Services
	AVERY J GROSS	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	A Bankruptcy Analysis P	Hill-Donnelly Information Services
	Dataware Systems Lease Inc	Hill-Donnelly Information Services
	E&T Arbor I Gross Avery I	Hill-Donnelly Information Services
	Gross Avery J IP	Hill-Donnelly Information Services
	h Gross Avery J	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Horizon Management Of Ny Inc	Hill-Donnelly Information Services
	Municipal Data Svc 2 F	Hill-Donnelly Information Services
	National Lighthouse Museum	Hill-Donnelly Information Services
	Northridge Supply	Hill-Donnelly Information Services
	Quality Domestic Help Inc	Hill-Donnelly Information Services
	Rackis Linda A v	Hill-Donnelly Information Services
	Rackis Linda A 1 P	Hill-Donnelly Information Services
	Robert 3 De Boissiere Law Ofc	Hill-Donnelly Information Services
	Safe Horizon is	Hill-Donnelly Information Services
	Staten Island Mental Health	Hill-Donnelly Information Services
	I P Tropp Charles R	Hill-Donnelly Information Services
2000	A Bankruptcy Anlys	Cole Information Services
	Avins Ind Prds Crp	Cole Information Services
	Dtwr Syst Ls Inc	Cole Information Services
	De Bssr Robert J	Cole Information Services
	Esquire Conslnt	Cole Information Services
	Gross A J Lawyer	Cole Information Services
	Gross Avery J Lwyr	Cole Information Services
	Mncpl Dt Svcs Inc	Cole Information Services
	Murphy J T Atty	Cole Information Services
	Quality Dom Help	Cole Information Services
	Ruckis A Attorney	Cole Information Services
	Redi Sf Sttn Isle	Cole Information Services
	Rohls Alfred F	Cole Information Services
	Savage B G Atty	Cole Information Services
	Soren Karen B Atty	Cole Information Services
	Soren S J Aty	Cole Information Services
	The Natl Ctr & Mus	Cole Information Services
	Tropp C R Lwyr	Cole Information Services
	Vstng Nur P L S Inc	Cole Information Services
1934	Anderson Eadie Mfg Corp NY Bertram G Eadie pres Tengel Anderson v pres tractor mfrs	R. L. Polk Co.
	Brennan Danl G Eliz H lawyer	R. L. Polk Co.
	Cantor Reuben Ethel B lawyer	R. L. Polk Co.
	Cantor Sidney lawyer	R. L. Polk Co.
	Casey Augustine B lawyer	R. L. Polk Co.
	Christian Science Church Reading Room Annie Laurie Anthony librarian	R. L. Polk Co.
	Dreyfus Chas H lawyer	R. L. Polk Co.

FINDINGS

Year	Uses	Source
1934	Eadie Bertram G Ethel M lawyer	R. L. Polk Co.
	First Church of Christ Scientist Reading Rooms Annie L Anthony librarian	R. L. Polk Co.
	Hancock John Mutual Life Ins Co Boston Mass Robt B Curtis dist mgr	R. L. Polk Co.
	Hausman Max lawyer	R. L. Polk Co.
	Hawkos Thos H Investments	R. L. Polk Co.
	Luloff Chas G Adele G lawyer	R. L. Polk Co.
	Luloff Zalme Mary lawyer	R. L. Polk Co.
	Mc Dermott Wm R lawyer	R. L. Polk Co.
	Methfessel Herman Nancy lawyer	R. L. Polk Co.
	Mulligan Chas A jr lawyer	R. L. Polk Co.
	Nunley Thos Hazel lawyer	R. L. Polk Co.
	Rianhard Henry W Amelia I P lawyer	R. L. Polk Co.
	br	R. L. Polk Co.
	Richmond Railways Inc NY Cap $3000000 Saml H Serena pres John Leonard v pres Edna Wallace sec Ralph H Welton treas	R. L. Polk Co.
	Rosen Paul H lawyer	R. L. Polk Co.
	Schleier Thos lawyer	R. L. Polk Co.
	Scolar Jos Shirley lawyer	R. L. Polk Co.
	Smith Wm A lawyer	R. L. Polk Co.

32 BAY ST

Year	Uses	Source
2012	TODERS CGRS	Cole Information Services
	BAY STREET CARD SHOP	Cole Information Services
2005	Bay Street Card Shop	Hill-Donnelly Information Services
	St George Unisex Hair Stylist	Hill-Donnelly Information Services
2000	Bay Stret Carl Shp	Cole Information Services
	St George Unsx Hr	Cole Information Services

36 BAY ST

Year	Uses	Source
2007	YOHO OF SOHO LLC	Cole Information Services
	EMPOWRED TO END DOM VLENCE INC	Cole Information Services
2005	Mail Depot USA Inc 1s	Hill-Donnelly Information Services
2000	Mannys Shoe Repair	Cole Information Services

FINDINGS

38 BAY ST

Year	Uses	Source
2012	ANYTIME LOCKS & LOCKSMITH	Cole Information Services

40 BAY ST

Year	Uses	Source
2012	KARLS KLIPPER	Cole Information Services
2007	KARLS KLIPPER	Cole Information Services
2005	Karis Klipper i	Hill-Donnelly Information Services
2000	Gibbs Ribs	Cole Information Services

44 BAY ST

Year	Uses	Source
2000	SLOSSON TER INTS	Cole Information Services

45 BAY ST

Year	Uses	Source
2012	U S GOVT MARINE CORP	Cole Information Services
2007	UNITED STATES POSTAL SERVICE	Cole Information Services
	UNITED STATES GOVERNMENT PASSPORT AC	Cole Information Services
	US GOVERNMENT SCL SECURITY HRNG	Cole Information Services
	INTERNAL REVENUE SERVICE	Cole Information Services
	ISS ENERGY SERVICES INC	Cole Information Services
	UNITED STATES GOVERNMENT NAVY	Cole Information Services
2005	US Passport Acceptance	Hill-Donnelly Information Services
	US Naval Recruiting Ia	Hill-Donnelly Information Services
	US Marine Corps Recruiting	Hill-Donnelly Information Services
	US Internal Revenue Svc	Hill-Donnelly Information Services
	US Govt Office Hmg & Appeals	Hill-Donnelly Information Services
	US Army Recruiting	Hill-Donnelly Information Services
	US Air Force Recruiting 1 G	Hill-Donnelly Information Services
	Iss Energy Svc Inc	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
2000	Iss Engry Svcs Inc	Cole Information Services
	Fedcap Rehab Serv	Cole Information Services
	US Govt Post Ofc	Cole Information Services
	Untd St Gvt Pssprt	Cole Information Services
	Triad Proj Mgmt	Cole Information Services
	U S Hearing & Appls	Cole Information Services

FINDINGS

Year	Uses	Source
2000	The US Govt Army	Cole Information Services
	The US Govt Navy	Cole Information Services
	The US Govt Air	Cole Information Services

50 BAY ST

Year	Uses	Source
2012	SEAMANS SOCIETY FOR CHILDREN & FA	Cole Information Services

56 BAY ST

Year	Uses	Source
2012	AIDS HOTLINE	Cole Information Services
	ST VINCENTS SERVICES INCORPORATED	Cole Information Services
	56 BAY ASSOCIATES	Cole Information Services
	SENIOR CARE CORP	Cole Information Services
	COMMERCIAL WILDLIFE TRAPPING PROS	Cole Information Services
	COMMUNITY HEALTH ACTION	Cole Information Services
	COMMUNITY AGENCY FOR SENIOR CITIZENS	Cole Information Services
	SENIOR HOUSING RESOURCE CORP	Cole Information Services
	ALEXANDRIA INTL	Cole Information Services
	ACTION COMMUNITY HEALTH	Cole Information Services
2007	SIBRO INC	Cole Information Services
	ST VINCENTS SERVICES GROUP HOME	Cole Information Services
	HIV CARE NETWORK	Cole Information Services
	SENIOR HOUSING RESOURCE CORP	Cole Information Services
	ALEXANDRIA INTL TRADING CO	Cole Information Services
	SENIOR CARE CORP	Cole Information Services
	COMMUNITY AGENCY SENIOR CITIZENS	Cole Information Services
	COMMUNITY HEALTH ACTION OF STATEN IS	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	56 Bay Assoc i F	Hill-Donnelly Information Services
	Alexandria International Trdng	Hill-Donnelly Information Services
	Community Action Staten Island	Hill-Donnelly Information Services
	Community Agency Senior Ctzns	Hill-Donnelly Information Services
	Gaia Assoc Inc	Hill-Donnelly Information Services
	Hiv Care Network 1 P	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Senior Care Corp i	Hill-Donnelly Information Services
	St Vincents Svc Inc	Hill-Donnelly Information Services
	US Sr Housing Resource Corp	Hill-Donnelly Information Services
2000	N Y City Plan Dept	Cole Information Services
	Alxndr Intrntl Co	Cole Information Services
	Alexandria Intl	Cole Information Services
	Alexandria Intl	Cole Information Services
	Caso Comm Agcy	Cole Information Services
	Cmmnty Agcy Ctzns	Cole Information Services
	Bay Associates	Cole Information Services
	Gaia Assoc Inc	Cole Information Services
	Mc Kenna J B Atty	Cole Information Services
	Policy Scncs Ctr	Cole Information Services
	St Vncnts Svcs Inc	Cole Information Services
	Seigel M H Atty	Cole Information Services
	Senior Care Corp	Cole Information Services
	Senior Hsng Resrc	Cole Information Services
1934	De Courcy Alf F Meta real est	R. L. Polk Co.
	Eiffertsen Christian P helen chiropractor	R. L. Polk Co.
	Kelley Edw T Alethia W lawyer	R. L. Polk Co.
	Neisner Benj lawyer	R. L. Polk Co.
	Pallister Chas F Florence real est	R. L. Polk Co.
	Staten Island Investment Service Corp A C Pouch pres Plerre Noel jr v pres Royal H Smith sec Jas Whitford treas mortgages	R. L. Polk Co.
	Thomson H S & Son Herbert S and Herbert S jr civil engs	R. L. Polk Co.

57 BAY ST

Year	Uses	Source
2012	BAY STREET HEALTH CENTER	Cole Information Services
2007	NYC SMILE DENTISTRY	Cole Information Services
	ARTISTS & PRODUCERS RECORD	Cole Information Services
2005	Staten Island University Hlth	Hill-Donnelly Information Services
	Staten Island University Hosp	Hill-Donnelly Information Services
2000	Wu Chrtbl Fndtn	Cole Information Services
	Van Den W F Atty	Cole Information Services
	States Isl Unv Hsp	Cole Information Services
	Parvis M S Lawyer	Cole Information Services
	Morse T K Atty	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Morse N C Atty	Cole Information Services
	Morse A S Atty	Cole Information Services
	Island Homes Rity	Cole Information Services
	Island Condo Mgmt	Cole Information Services
	Filler Martin M	Cole Information Services
	Bay Stret Hith Ctr	Cole Information Services
	Brandes & Filler	Cole Information Services

59 BAY ST

Year	Uses	Source
2000	Fishs Eddy	Cole Information Services

60 BAY ST

Year	Uses	Source
2012	HOUSEHOLD FINANCE CORPORATION	Cole Information Services
	ROMAGNOLO & CAMBIO LLP	Cole Information Services
	FONTE MARK J	Cole Information Services
	BARRAVECCHIA ALEXSIS	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
	LEGAL AID SOCIETY	Cole Information Services
	GENTILE ANNAMARIE G	Cole Information Services
	MURPHY JOHN M JR	Cole Information Services
	CARUSO SPILLANE LEIGHTON CONTRASTANO	Cole Information Services
	KATKIN ALAN S ATTORNEY	Cole Information Services
	OFFICE OF BATTISTE ARONOWSKY & SUCHO	Cole Information Services
	VETERANS ADMINISTRATION	Cole Information Services
	ANGIULI KATKIN GENTILE LLP	Cole Information Services
	ANGIULI GARY C ATTORNEY	Cole Information Services
	STATEN ISLAND RAILWAYMTA	Cole Information Services
	LASSER MYRON G ATTORNEY PROFESSIONAL	Cole Information Services
	GILROY FELIX T	Cole Information Services
	GLEN MANCUSO ALLSTATE AGENT	Cole Information Services
	BESTCARE INC	Cole Information Services
2007	MYRON G LASSER PC	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
	DANIELLE LEVANTHAL ELIAS	Cole Information Services
	BESTCARE INC	Cole Information Services

FINDINGS

Year	Uses	Source
2007	MARK J FONTE ESQ	Cole Information Services
	36 RECORDS LLC	Cole Information Services
	CONTINENTAL AUTO PARTS CO INC	Cole Information Services
	NY CITY OF DEPT OF ENVIRONMENTAL PRO	Cole Information Services
	INTERNATIONAL COSMETICS CORP	Cole Information Services
	GILROY FELIX T	Cole Information Services
	CARUSO & SPILLANE ETAL	Cole Information Services
	NEW YORK CITY TRANSIT AUTH	Cole Information Services
	ANGIULI KATKIN & GENTILE LLP	Cole Information Services
	JASON LEVENTHAL	Cole Information Services
	M T A STATEN ISLAND RAILWAY	Cole Information Services
	LEGAL AID	Cole Information Services
	STATEN IS RAPID TRANSIT OPRTN	Cole Information Services
2005	Tobin William 3 1 P	Hill-Donnelly Information Services
	h Tobin William J A	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Allied St George Corp	Hill-Donnelly Information Services
	Angiuli Katldkin & Gentile	Hill-Donnelly Information Services
	Arbor Employment & Training	Hill-Donnelly Information Services
	Barravecchia Alexsis v O os	Hill-Donnelly Information Services
	Barravecchia Alexsis 1 P	Hill-Donnelly Information Services
	BCM Agency Inc 20 506 Best Care Inc IP	Hill-Donnelly Information Services
	Career & Educational Consint	Hill-Donnelly Information Services
	Caruso Spillane Contrastano	Hill-Donnelly Information Services
	Comprehensive Medicare	Hill-Donnelly Information Services
	Continental Ap Co Inc	Hill-Donnelly Information Services
	Family Court Corp Counsel	Hill-Donnelly Information Services
	Fonte Mark 3 1 P	Hill-Donnelly Information Services
	h Fonte Mark J 0v	Hill-Donnelly Information Services
	Gliroy Fellx T	Hill-Donnelly Information Services
	Gilroy Felix T I P	Hill-Donnelly Information Services
	Household Finance 1 F	Hill-Donnelly Information Services
	Housing & Community	Hill-Donnelly Information Services
	International Cosmetics Corp	Hill-Donnelly Information Services
	John M Murphy Jr Law Office	Hill-Donnelly Information Services
	Juvenile Rights Div I a	Hill-Donnelly Information Services
	Katkln Alan S i P	Hill-Donnelly Information Services
	Klein Brett I P	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Legal Aid Society	Hill-Donnelly Information Services
	Leventhal Jason yv	Hill-Donnelly Information Services
	Leventhal Jason 1 P	Hill-Donnelly Information Services
	Leventhal Jason Jr	Hill-Donnelly Information Services
	Myron G Lasser Pro Corp	Hill-Donnelly Information Services
	New York City Transit Authority	Hill-Donnelly Information Services
	Ny City Law Dept Fam Ct Div	Hill-Donnelly Information Services
	93	Hill-Donnelly Information Services
	Pezzullo Nikole IP	Hill-Donnelly Information Services
	Romagnolo & Cambio 2 P	Hill-Donnelly Information Services
	Continued	Hill-Donnelly Information Services
	h Spillane Eugene P 0 oi	Hill-Donnelly Information Services
	Spillane Eugene P	Hill-Donnelly Information Services
	Staten Island Environmental	Hill-Donnelly Information Services
	Staten Island Law Dept Tort	Hill-Donnelly Information Services
	Staten Island Rapid Transit	Hill-Donnelly Information Services
	Staten Island Water Inspection	Hill-Donnelly Information Services
	Ungar Leonard 0 Ungar Leonard CPA 1 P 8 Workers Compensation	Hill-Donnelly Information Services
	Alexander Kelvin v	Hill-Donnelly Information Services
	Covenant House Of Staten Isind	Hill-Donnelly Information Services
	Hasson James J 1 P	Hill-Donnelly Information Services
	Uedy Robert E v	Hill-Donnelly Information Services
2000	Chase Manhattan	Cole Information Services
	Bank Bldg	Cole Information Services
	The N Cty Agng Dpt	Cole Information Services
	N Y City Environ	Cole Information Services
	NY Hsng & Cmnty Dv	Cole Information Services
	NY State Wrks Bd	Cole Information Services
	All Crmnl Matters	Cole Information Services
	Allied St Grg Crp	Cole Information Services
	Allied St Grg Grp	Cole Information Services
	Angiuli G C Atty	Cole Information Services
	Angiuli Gntl & Srfn	Cole Information Services
	Bcm Agency Inc	Cole Information Services
	Best Cars Inc	Cole Information Services
	Caruso Ulaner Atty	Cole Information Services
	Felig Norman J	Cole Information Services
	Fonte Mark J Atty	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Gentile Anna Marie	Cole Information Services
	Gilroy Felix T	Cole Information Services
	Gotham Gallery Ltd	Cole Information Services
	Hsng & Cmnty Dv Ofc	Cole Information Services
	Katkin Alan S Atty	Cole Information Services
	Lasser M Atty Corp	Cole Information Services
	Legal Aid Scty S	Cole Information Services
	Leventhal Jason	Cole Information Services
	Murphy J M Jr Atty	Cole Information Services
	Peterson D Lawyer	Cole Information Services
	Poznansky J H Atty	Cole Information Services
	Serafino Barbara	Cole Information Services
	Ungar Leonard CPA	Cole Information Services

69 BAY ST

Year	Uses	Source
2007	D E GULINO INC	Cole Information Services

70 BAY ST

Year	Uses	Source
2012	COVENANT HOUSE	Cole Information Services
2007	DADDY DOUGS PIZZA	Cole Information Services
	COVENANT HOUSE OF STATEN ISLAND	Cole Information Services
2000	Block H & R Offices	Cole Information Services
	Crmns Pza & Lnchatt	Cole Information Services

8 BAY ST

Year	Uses	Source
2000	B Ralph Babbitt	Cole Information Services
	G C Bartals	Cole Information Services
	A Siegal	Cole Information Services
	Sheryl Vinall	Cole Information Services
	Baby Boomers Acdmy	Cole Information Services

BAY STREET LNDG

10 BAY STREET LNDG

Year	Uses	Source
2012	B S L 1 OWNERS CORP	Cole Information Services

FINDINGS

Year	Uses	Source
2012	B S L 1 OWNERS CORP	Cole Information Services
2007	AMR INC	Cole Information Services
	BSL1 OWNERS CORP	Cole Information Services
	GATEWAY TO SOLUTIONS INC	Cole Information Services
	B S L ONE OWNERS CORP	Cole Information Services
	BSL1 OWNERS CORP	Cole Information Services
	GATEWAY TO SOLUTIONS INC	Cole Information Services
	B S L ONE OWNERS CORP	Cole Information Services
	AMR INC	Cole Information Services

20 BAY STREET LNDG

Year	Uses	Source
2012	B S L 1 OWNERS CORPORATION	Cole Information Services

30 BAY STREET LNDG

Year	Uses	Source
2012	BAY STREET LANDING SECURITY	Cole Information Services
2007	BAY STREET LANDING SECURITY	Cole Information Services

38 BAY STREET LNDG

Year	Uses	Source
2007	JO SOLUTIONS LLC	Cole Information Services
	JOSOLUTIONS	Cole Information Services

BOY ST

30 BOY ST

Year	Uses	Source
1934	Costantino Angelo lawyer	R. L. Polk Co.

CENTRAL

33 CENTRAL

Year	Uses	Source
1975	BRYNES ASHER	New York Telephone Company

CENTRAL AV

30 CENTRAL AV

Year	Uses	Source
1975	VANIMAN INC TRUCK BODY EQUIP	New York Telephone Company

FINDINGS

CENTRAL AVE

1 CENTRAL AVE

Year	Uses	Source
2000	198 CT	Cole Information Services
	F Marc Mc Cowan	Cole Information Services
	Witold Felski	Cole Information Services
	F Nicholas De La	Cole Information Services
	HAGSTROM MAP LOC	Cole Information Services

10 CENTRAL AVE

Year	Uses	Source
1970	THORN CHAS H MD OFC	New York Telephone
1928	SKERRITT M MRS R	New York Telephone

12 CENTRAL AVE

Year	Uses	Source
1928	YAMARONI M R	New York Telephone

13 CENTRAL AVE

Year	Uses	Source
2000	SLOSSON TER INTS	Cole Information Services
1934	Cleveland Conalie E h	R. L. Polk Co.
1928	CONWAY M M MISS R	New York Telephone

14 CENTRAL AVE

Year	Uses	Source
1928	ROBINSON E C R	New York Telephone

15 CENTRAL AVE

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
	Delibashvili Annette Jimi v	Hill-Donnelly Information Services
	h Digivid Roger Acosta v	Hill-Donnelly Information Services
	h Dodd Dirk	Hill-Donnelly Information Services
	h Later Les	Hill-Donnelly Information Services
	Monteiro Elezia v	Hill-Donnelly Information Services
	h Nealy Dwayne v	Hill-Donnelly Information Services
	h Nicoella Michael	Hill-Donnelly Information Services
	Roxby Jared v	Hill-Donnelly Information Services
	h Voorspuy C	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Woods William C	Hill-Donnelly Information Services
	Xhani S	Hill-Donnelly Information Services
2000	Apartments	Cole Information Services
	Dirk Dodd	Cole Information Services
	Les Later	Cole Information Services
	Steve Mac Aluso	Cole Information Services
	Bruce Mattia	Cole Information Services
	Dwayna Nealy	Cole Information Services
	Michael Regan H	Cole Information Services
	2D Asghar Saysteh	Cole Information Services
	C J Voorspuy	Cole Information Services
1995	DANIEL Tracey	NYNEX
	DODD Dirk	NYNEX
	GAUGHRAN Arthur	NYNEX
	HER Binmer Judia	NYNEX
	HIGGINBOTTOM Robert	NYNEX
	HUANG HUI Min	NYNEX
	LATER Les	NYNEX
	SHAYSTEH Asghar	NYNEX
	VOORSPUY C J	NYNEX
	WANG Anqin	NYNEX
	YU We Hong	NYNEX
1990	CRUSH PRISCILLA	NYNEX Information Resource Company
	CUMMINS WILLIAM	NYNEX Information Resource Company
	EGELHOF T	NYNEX Information Resource Company
	GAUGHRAN PATRICK	NYNEX Information Resource Company
	GIANNINI V	NYNEX Information Resource Company
	HIGGINBOTTOM ROBERT R	NYNEX Information Resource Company
	MC COLE STEVEN	NYNEX Information Resource Company
	PERSONS RICK	NYNEX Information Resource Company
	SCAFFIDI E	NYNEX Information Resource Company
	VOORSPUY C J	NYNEX Information Resource Company
1984	VANSTOLK RICHARD SI	New York Telephone
	ADOLPH B	New York Telephone
	BELFORT R	New York Telephone
	CUMMINS WILLIAM	New York Telephone
	FLORIN P	New York Telephone
	GIANNINI V	New York Telephone

FINDINGS

Year	Uses	Source
1984	GOLDEN B	New York Telephone
	HOWARD ROBERT	New York Telephone
	KONRAD L	New York Telephone
	ME COLE STEVEN	New York Telephone
	PLOTCH A L	New York Telephone
	TIMPONE THOMAS FRANCIS	New York Telephone
	VOORSPUY C J	New York Telephone
	VORMAN EJ	New York Telephone
1979	FERRERI M	New York Telephone
	JOHNSON P	New York Telephone
	KILOH JOHN M	New York Telephone
	LEVENSON PAUL	New York Telephone
	MARCO R	New York Telephone
	PAUL MARGUERITE	New York Telephone
	RUSSO C	New York Telephone
	TAVAREZ J	New York Telephone
1975	ARGENZIANO VINCENT	New York Telephone Company
	DELUCA DOMINICK	New York Telephone Company
	FERRERI M	New York Telephone Company
	HANDLEY DANIEL	New York Telephone Company
	HENSLER GEORGE JR	New York Telephone Company
	HOWARD A	New York Telephone Company
	KILOH JOHN M	New York Telephone Company
	MYERS ROBERT	New York Telephone Company
	NASH SAML	New York Telephone Company
	PAUL MARGUERITE	New York Telephone Company
	RUSSO C	New York Telephone Company
	TAVAREZ J	New York Telephone Company
	VOLLMUTH S	New York Telephone Company
	WHITKOWSKI B	New York Telephone Company
	WINZLER KAY	New York Telephone Company
1970	ARGENZIANO CHICK V	New York Telephone
	BLOOM C	New York Telephone
	CURRAN GARY N	New York Telephone
	DE LUCA DOMINICK	New York Telephone
	FERRERI M	New York Telephone
	HOWARD A	New York Telephone
	JACOBSEN OLAF M JR	New York Telephone

FINDINGS

Year	Uses	Source
1970	KILOH JOHN M	New York Telephone
	MYERS ROBERT	New York Telephone
	NASH SAML	New York Telephone
	PAUL MARGUERITE	New York Telephone
	REED DAVID F	New York Telephone
	TAVAREZ J	New York Telephone
	WINZLER KAY	New York Telephone
1965	HOWARD A	New York Telephone Company
	JONES GEO L	New York Telephone Company
	KILLEEN CHAS	New York Telephone Company
	MCGRATH WM J	New York Telephone Company
	NASH SAML	New York Telephone Company
	PAUL MARGUERITE	New York Telephone Company
	PAVLOFF PAUL	New York Telephone Company
	REIGI RICHD R LWYR	New York Telephone Company
	REILLY JOHN J	New York Telephone Company
	WINZLER KAY	New York Telephone Company
	YOURTH LOUIS J SR	New York Telephone Company
	YOURTH M	New York Telephone Company
	ALMSTAEDT EMILY M	New York Telephone Company
	DAVIS FLORENCE V	New York Telephone Company
	DE LUCA DOMINICK	New York Telephone Company
1960	ALMSTAEDT EMILY A	New York Telephone Company
	DAVIS FLORENCE V	New York Telephone Company
	DRISCOLL KATHRINE	New York Telephone Company
	JONES GEO L	New York Telephone Company
	KILLEEN CHAS	New York Telephone Company
	LINDEMANN THOS JR	New York Telephone Company
	MCGRATH WM J	New York Telephone Company
	PAUL MARGUERITE	New York Telephone Company
	PEASE M L MISS	New York Telephone Company
	SCOTT ALICE M	New York Telephone Company
	WELCH WM N	New York Telephone Company
	YOURTH MARIE	New York Telephone Company
1934	Almstaedt Emily h	R. L. Polk Co.
	Bonaire Apartments	R. L. Polk Co.
	Chamberlain Mary L tchr r	R. L. Polk Co.
	Covert Clermont C civ eng h	R. L. Polk Co.

FINDINGS

Year	Uses	Source
1934	Di Crocco Chris J Kemba phys	R. L. Polk Co.
	Doods Mary L h	R. L. Polk Co.
	Dowd Iva tchr r	R. L. Polk Co.
	Friedel Herman Esther phys	R. L. Polk Co.
	Greenbere Margt r	R. L. Polk Co.
	Hanrahan Cath wid Timothy h	R. L. Polk Co.
	Huber H R slsmn r	R. L. Polk Co.
	Jensen Henry B Walborg supt h	R. L. Polk Co.
	Leach Mary tchr r	R. L. Polk Co.
	Le Quesne Laura r	R. L. Polk Co.
	Lonergan Mae tchr h	R. L. Polk Co.
	Lundberg Helen E tchr h	R. L. Polk Co.
	Marts Saml B h	R. L. Polk Co.
	Nevius Hal Chloe vet h	R. L. Polk Co.
	Pease Mary J wid Edgar W h	R. L. Polk Co.
	Pease Mary L tchr r	R. L. Polk Co.
	Plase Mary L tchr East Side Contn Sch r	R. L. Polk Co.
	Tenney Herbert S Clara L clk r	R. L. Polk Co.
1928	DI CROCCO C J MD OFF	New York Telephone
	EMMENS W I MRS R	New York Telephone
	FETHERSTON G B MISS R	New York Telephone
	FETHERSTON JAS J R	New York Telephone
	FLAG EO R	New York Telephone
	FRIEDEL H DR R	New York Telephone
	GORDON E M MISS R	New York Telephone
	HANRAHON L L MISS R	New York Telephone
	LUNDBERG M E MISS R	New York Telephone
	MUSSON M B MISS R	New York Telephone
	O CONNOR P C R	New York Telephone
	TENNEY HERBERT S R	New York Telephone
	YOUNG JOHN R	New York Telephone
	CAHILL J J R	New York Telephone
	CARROLL MARY M MRS R	New York Telephone
	COVERT C C R	New York Telephone

15-20 CENTRAL AVE

Year	Uses	Source
1975	CAREFREE CRUISE WARDROBE SVCE FR RKWY	New York Telephone Company

FINDINGS

16 CENTRAL AVE

Year	Uses	Source
1934	Whelihan Wm Jane clk h	R. L. Polk Co.
	Wright Ethel Mrs tel opr r	R. L. Polk Co.
1928	PEASO M L MISS R	New York Telephone
	REGESS WM R	New York Telephone

17 CENTRAL AVE

Year	Uses	Source
1934	Young Edw opr United Dry Docks Inc h	R. L. Polk Co.

18 CENTRAL AVE

Year	Uses	Source
1934	Mayo Aureillo Beatrice cook r	R. L. Polk Co.
	Mc Kee Ralph R Nora member Bd of Edue h	R. L. Polk Co.
1928	MEKEE RALPH R R	New York Telephone
	PROBATION BUR VILGE HALL STAPLETON	New York Telephone

19 CENTRAL AVE

Year	Uses	Source
1928	BOSCO M R	New York Telephone

2 CENTRAL AVE

Year	Uses	Source
2000	J Zurawski	Cole Information Services
	Baby Boomers	Cole Information Services
	Andrzej Zajac	Cole Information Services
	Maciek Wyszynska	Cole Information Services
	A Jaroslaw Grabowski	Cole Information Services
	B M A Hazlett	Cole Information Services
	Jason Hewitt	Cole Information Services
	F Mary White	Cole Information Services

20 CENTRAL AVE

Year	Uses	Source
1934	Kvenvlk Ole T v pres Stapleton Constr Co Inc r	R. L. Polk Co.
	Schneider Fredk W tinsmith r	R. L. Polk Co.
	Nissen Ida L wid Geo h	R. L. Polk Co.
	Mc Enerey John sta eng r	R. L. Polk Co.

FINDINGS

Year	Uses	Source
1934	Mason Alf slsmn r	R. L. Polk Co.
	Mac Millian Jack reporter r	R. L. Polk Co.

21 CENTRAL AVE

Year	Uses	Source
2000	Rizvan Ruci	Cole Information Services
	Jan Przybylowski	Cole Information Services
	Mariusz Pyrycz	Cole Information Services
	I Rivers Sierra	Cole Information Services
	Emila Roslan	Cole Information Services
	Ilye Shevchenko	Cole Information Services
	Jodi Santarella	Cole Information Services
	B Seifert	Cole Information Services
	Bettina Seifert	Cole Information Services
	Ilya Shevchenko	Cole Information Services

22 CENTRAL AVE

Year	Uses	Source
1979	JONES A R	New York Telephone

24 CENTRAL AVE

Year	Uses	Source
1934	Hoffman Kurt reporter r	R. L. Polk Co.
	Kennerknecht Chas meat ctr h	R. L. Polk Co.
	Lynch Gene Mrs r	R. L. Polk Co.
	Oppenheim Felix cash r	R. L. Polk Co.
	Rebel Henry Gertrude cabtmeler h	R. L. Polk Co.
	Sutton Francis clk r	R. L. Polk Co.
	Woerner Geo clk r	R. L. Polk Co.
	Christensen Robt clk r	R. L. Polk Co.
	Lynch Irene sten r	R. L. Polk Co.

25 CENTRAL AVE

Year	Uses	Source
2012	PROJECT HOSPITALITY OUTREACH CENTER	Cole Information Services
2007	PROJECT HOSPITALITY OUTREACH CENTER	Cole Information Services
2005	Project Hospitality Outreach	Hill-Donnelly Information Services
2000	Project Hospty Ctr	Cole Information Services
1995	Project Hospitality Outreach Center	NYNEX

FINDINGS

Year	Uses	Source
1990	SOCIETY FOR SEAMENS CHILDRN OFC	NYNEX Information Resource Company
1984	BIRNBAUM DONALD DDS PC	New York Telephone
	COSENTINO SAMUEL J ACCTNT & INC	New York Telephone
	JENKINS CARLOS	New York Telephone
	PAULLY DAVID J LWYR	New York Telephone
	SCHOENEMAN B DDS	New York Telephone
1979	BIRNBAUM DONALD DDS OFC	New York Telephone
	BRIGGIN H MD OFC	New York Telephone
	CASPER WOLFGANG A MD OFC	New York Telephone
	CHAMPION FILMS	New York Telephone
	MORSE READING CNTR	New York Telephone
	READING LAB	New York Telephone
	SCHOENEMAN B DDS	New York Telephone
1975	MORSE READING CNTR	New York Telephone Company
	SCHOENEMAN B DDS	New York Telephone Company
	BIRNBAUM DONALD DDS OFC	New York Telephone Company
	BRIGGIN H MD OFO	New York Telephone Company
	CASPER WOLFGANG A MD OFC	New York Telephone Company
	FLORES ROBERT	New York Telephone Company
1970	BARRETT Y	New York Telephone
	BIRNBAUM DONALD DDS OFC	New York Telephone
	BRIGGIN H MD OFC	New York Telephone
	CASPER ANNE F MD OFC	New York Telephone
	CASPER WA MD OFC	New York Telephone
	MC LEOD EVANGELINE ELECTRLSIS	New York Telephone
	SCHOENEMAN B DDS	New York Telephone
1965	BIRNBAUM DONALD DDS OFC	New York Telephone Company
	BRIGGIN H MD OFC	New York Telephone Company
	CASPER ANNE F M D OFC	New York Telephone Company
	CASPER W A M D OFC	New York Telephone Company
	FRANK JACOB LEO LWYR	New York Telephone Company
	KAWAI DONNA J	New York Telephone Company
	LUCEY J J DDS OFC	New York Telephone Company
	MC LEOD EVANGELINE ELECTRLSIS	New York Telephone Company
	NASTASI ANTHONY MD	New York Telephone Company
	SCHOENEMAN B DDS	New York Telephone Company
1960	BIRNBAUM DONALD DDS OFC	New York Telephone Company
	BRIGGIN H MD OFC	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	CASPER ANNE F MD OFC	New York Telephone Company
	CASPER W A MO OFC	New York Telephone Company
	LUCEY J J DDS OFC	New York Telephone Company
	MC LEOD EVNGLINE ELECTRISIS	New York Telephone Company
	ST GEORGE MEDICAL CNTR	New York Telephone Company
	SCHOENEMAN B DDS B	New York Telephone Company
1934	Bertorelli J	R. L. Polk Co.
	Bertorelli Julia fctywkr Belle Fleur Hat Co Inc h	R. L. Polk Co.
	Catalano Danato V phys	R. L. Polk Co.
	Cott Delzon N Grace phys	R. L. Polk Co.
	Goller John J Mary A phys	R. L. Polk Co.
	Lucey John D Augusta phys	R. L. Polk Co.
	Lucey Jos J Mita G dentist	R. L. Polk Co.
	Lyons M A phys	R. L. Polk Co.
	Medical Center Building	R. L. Polk Co.
	Peggs Mc Donald Helen phys	R. L. Polk Co.
	Repetti Lena D tel opr r	R. L. Polk Co.
	Repetti Rose L wid Dominick h	R. L. Polk Co.
	Severance Robt phys	R. L. Polk Co.
1928	BACHE M R	New York Telephone
	BERTORELLI JOS R	New York Telephone

3 CENTRAL AVE

Year	Uses	Source
2000	E J Vetter	Cole Information Services
	Peter Pawlowski	Cole Information Services
	F Vadirn Pavliouk	Cole Information Services
	B Vadim Orlov	Cole Information Services
1995	HILL M	NYNEX
1979	DOLGIN JOS MD OFC	New York Telephone

32 CENTRAL AVE

Year	Uses	Source
1934	Tunkens Emma clk r	R. L. Polk Co.
	Hinson Irving sta eng r	R. L. Polk Co.
	Hinson Marie Mrs h	R. L. Polk Co.
	Hinson Christopher Josephine lab r	R. L. Polk Co.
	Hinson Clyde lab r	R. L. Polk Co.

FINDINGS

33 CENTRAL AVE

Year	Uses	Source
2007	MA2ENTERPRISES	Cole Information Services
	HAPPY THIGHS PUBLG	Cole Information Services
	AM CARPENTER SERVICE	Cole Information Services
	OVER THE RAINBOW DAY CARE CENTER INC	Cole Information Services
	RICKS CLEANING INC	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Xhani S	Hill-Donnelly Information Services
	Borejczuk Zofia v	Hill-Donnelly Information Services
	h Brechka E AV	Hill-Donnelly Information Services
	Brzvski Marek v	Hill-Donnelly Information Services
	Cadenas Virginia v	Hill-Donnelly Information Services
	E Caruso Robert Av	Hill-Donnelly Information Services
	h Cice Abib	Hill-Donnelly Information Services
	B Fertek 3anina +v	Hill-Donnelly Information Services
	F Forienza Robert Av	Hill-Donnelly Information Services
	A Frank R v	Hill-Donnelly Information Services
	A Grabowski Jaroslaw v	Hill-Donnelly Information Services
	h Hiazlett M A A	Hill-Donnelly Information Services
	h Iewitt 3ason v	Hill-Donnelly Information Services
	Klepacki Janusz v	Hill-Donnelly Information Services
	Knap Leokadia v	Hill-Donnelly Information Services
	E Konarzewski Ryszard	Hill-Donnelly Information Services
	Michniewlicz Irena	Hill-Donnelly Information Services
	Ah Navazzo N A	Hill-Donnelly Information Services
	C h 1 Oliva James A	Hill-Donnelly Information Services
	C Ortutay Daniel A	Hill-Donnelly Information Services
	Over The Rainbow Daycare Ctr	Hill-Donnelly Information Services
	h Papir Samuel	Hill-Donnelly Information Services
	C Parsh Robert A	Hill-Donnelly Information Services
	Pawlowski Peter vo	Hill-Donnelly Information Services
	Plela Lucyna v	Hill-Donnelly Information Services
	Ricks Cleaning Inc Carpet	Hill-Donnelly Information Services
	Santarella Jodi	Hill-Donnelly Information Services
	Shevchenko Ilya	Hill-Donnelly Information Services
	H Shevchenko Ilya v	Hill-Donnelly Information Services
	Sklbniewska Marianna	Hill-Donnelly Information Services
	E Standos Joanna	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	E Vetter J Al	Hill-Donnelly Information Services
	H White Mary A	Hill-Donnelly Information Services
	Winogrodzka Halina	Hill-Donnelly Information Services
	h Zawisza Tadeusz	Hill-Donnelly Information Services
	h Zielik Teresa v	Hill-Donnelly Information Services
	G Zurawski J V	Hill-Donnelly Information Services
	No Current Listing	Hill-Donnelly Information Services
	Hotel Richmond I s	Hill-Donnelly Information Services
1995	Dino Roofing & Constr	NYNEX
	ACEVEDO Adalberto	NYNEX
	ANDERSON Mary Ann	NYNEX
	BRECHKA E	NYNEX
	BYRNE John	NYNEX
	CICE Abib	NYNEX
	CORTEZ DELVALLE Zaria	NYNEX
	CZYSZKIAWICZ Bogdan	NYNEX
	DURAKU Jeton	NYNEX
	DZIOBAN Rafal	NYNEX
	EDENFIELD A	NYNEX
	FORLENZA Robt	NYNEX
	HAGGIAG Michael	NYNEX
	HALL Raymond	NYNEX
	HAZLETT M A	NYNEX
	KOSOVRASTI Engie	NYNEX
	MCCOWAN Marc	NYNEX
	NAVAZZIO N	NYNEX
	OROURKE John J	NYNEX
	PAPIR Samuel	NYNEX
	RAMKU Petrit	NYNEX
	REID D	NYNEX
	REILLY E	NYNEX
	ROCKWOOD K	NYNEX
	RODRIGUEZ Fedael	NYNEX
	ROLDAN Jose & Cristian	NYNEX
	RUCI Rizvan	NYNEX
	SEIFERT B	NYNEX
	SIDDIQ Arshad	NYNEX
	SMITH Paul	NYNEX

FINDINGS

Year	Uses	Source
1995	STANDOS J	NYNEX
	STRANDBERG Louis	NYNEX
	VAUGHN Robert	NYNEX
	VIDLER L	NYNEX
	WHITE Mary	NYNEX
1990	ANDERSON MARY AVN	NYNEX Information Resource Company
	BALANCA BURAN	NYNEX Information Resource Company
	BALANCA NEAT	NYNEX Information Resource Company
	BALANCA SHABAN	NYNEX Information Resource Company
	BRECHKA E	NYNEX Information Resource Company
	CAHILL CLYDE	NYNEX Information Resource Company
	CASSIMY JOAN M	NYNEX Information Resource Company
	CORBIN J	NYNEX Information Resource Company
	COSTELLO MARIE	NYNEX Information Resource Company
	COYNE KEVIN	NYNEX Information Resource Company
	DALY JOSEPH	NYNEX Information Resource Company
	DAVISON THOS H	NYNEX Information Resource Company
	DELAND PAUL	NYNEX Information Resource Company
	DOERR I A	NYNEX Information Resource Company
	FORLENZA ROBT	NYNEX Information Resource Company
	GIANIKOS PHILIP C	NYNEX Information Resource Company
	GUZMAN RALPH	NYNEX Information Resource Company
	HANDLEY DANIEL	NYNEX Information Resource Company
	HAZLETT M A	NYNEX Information Resource Company
	HILL M	NYNEX Information Resource Company
	HORGAN E F	NYNEX Information Resource Company
	HORN KENNETH J	NYNEX Information Resource Company
	JACOBS V LOUISE	NYNEX Information Resource Company
	KANE M	NYNEX Information Resource Company
	KOSOVRASTI ENGIE	NYNEX Information Resource Company
	LAMBERSON LESTER G	NYNEX Information Resource Company
	MATTFELD VICTOR H	NYNEX Information Resource Company
	MERRIFIELD I	NYNEX Information Resource Company
	NAVAZIO MICHL	NYNEX Information Resource Company
	O BRIEN L	NYNEX Information Resource Company
	RAMKU PETRIT	NYNEX Information Resource Company
	REDOLFI B	NYNEX Information Resource Company
	REILLY EDWIN V	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1990	SCHMIDT JOHN C W	NYNEX Information Resource Company
	SCHMIDT W D	NYNEX Information Resource Company
	SLAGHT J	NYNEX Information Resource Company
	STRADFORD TERRANCE DR	NYNEX Information Resource Company
	TIRADO KEN	NYNEX Information Resource Company
	TREBISHTA MUGMI	NYNEX Information Resource Company
	VAUGHN ROBERT	NYNEX Information Resource Company
	VIDLER L	NYNEX Information Resource Company
	VINCI FRANK	NYNEX Information Resource Company
	WHITE LAWRENCE T	NYNEX Information Resource Company
	WHITE MARY	NYNEX Information Resource Company
	WROBLESKI THOMAS	NYNEX Information Resource Company
1984	CLIFFORD CORALIE E	New York Telephone
	CORBIN J	New York Telephone
	CRABTREE G A	New York Telephone
	DALY JOSEPH	New York Telephone
	DAVISON THOS H	New York Telephone
	DELAND PAUL	New York Telephone
	DOERR I A	New York Telephone
	DOLGIN JOS MD OFC	New York Telephone
	DUCASSE M A	New York Telephone
	ESPLIN EDWIN C MRS	New York Telephone
	FORLENZA ROBT	New York Telephone
	GLUCK B	New York Telephone
	GUINAN W	New York Telephone
	GUZMAN RALPH	New York Telephone
	HANDLEY DANIEL	New York Telephone
	HANNA CHARLES A	New York Telephone
	HAZLETT M A	New York Telephone
	HILL M	New York Telephone
	HOLTKAMP A E	New York Telephone
	HORGAN E F	New York Telephone
	HORN HERMON A	New York Telephone
	JACOBS V LOUISE	New York Telephone
	JOYNER S T	New York Telephone
	KANE M	New York Telephone
	LAMBERSON LESTER G	New York Telephone
	MAKSUTI MUNIR	New York Telephone

FINDINGS

Year	Uses	Source
1984	MATTTELD VICTOR H	New York Telephone
	MARRIFIELD I	New York Telephone
	MEYER LEWIS	New York Telephone
	MULLEN ELIZ A MRS	New York Telephone
	NAVAZIO MICHL	New York Telephone
	PAINE LEWIS C	New York Telephone
	REDOLFI I B	New York Telephone
	REICHICK EDWARD	New York Telephone
	REILLY EDWIN V	New York Telephone
	REILLY R	New York Telephone
	SEPULVEDA ANTHONY F JR	New York Telephone
	SLAGHT J	New York Telephone
	SMITH PAUL	New York Telephone
	VAUGHN ROBERT	New York Telephone
	VIDLER L	New York Telephone
	VINCI FRANK	New York Telephone
	WEYAND L R	New York Telephone
	WHITE MARY	New York Telephone
1979	AUERNHAMMER ROSE	New York Telephone
	BALANCA SHABAN	New York Telephone
	BORYSKO ANDREW	New York Telephone
	BRECHKA E	New York Telephone
	BRYNES ASHER	New York Telephone
	CLARK WALTER A	New York Telephone
	CLIFFORD CORALIE E	New York Telephone
	CRABTREE G A	New York Telephone
	DAVISON R T	New York Telephone
	DAVISON THOS H	New York Telephone
	DOERR I A	New York Telephone
	EGAN E	New York Telephone
	ESPLIN EDWIN C MRS	New York Telephone
	FORLENZA ROBT	New York Telephone
	FORTIN R M	New York Telephone
	GLUCK BLANCHE	New York Telephone
	GRIFFIN J	New York Telephone
	GUINAN W	New York Telephone
	HANDLEY DANIEL	New York Telephone
	HAZLETT M A	New York Telephone

FINDINGS

Year	Uses	Source
1979	HILL M	New York Telephone
	HOLTKAMP A E	New York Telephone
	HORGAN E F	New York Telephone
	HORN HERMON A	New York Telephone
	JACOBS V LOUISE	New York Telephone
	JOYNER S T	New York Telephone
	KANE M	New York Telephone
	KER D G	New York Telephone
	LAMBERSON LESTER G	New York Telephone
	MANN J R	New York Telephone
	MATTFELD VICTOR H	New York Telephone
	MCCRACKEN THOMAS E	New York Telephone
	MERRIFIELD I	New York Telephone
	MORSE KENNETH E	New York Telephone
	MULLEN ELIZ A MRS	New York Telephone
	NAVAZLO MICHL	New York Telephone
	NEEDHAM CHESTER T	New York Telephone
	O BRIEN EUGENE F	New York Telephone
	PAINE LEWIS C	New York Telephone
	RAPP KENNETH	New York Telephone
	REDOLFI I B	New York Telephone
	REILLY EDWIN V	New York Telephone
	SEPULVEDA ANTHONY F JR	New York Telephone
	SLAGHT J	New York Telephone
	STAFFER P	New York Telephone
	VIDLER L	New York Telephone
	WALKER B B	New York Telephone
	WALL ALENE F	New York Telephone
	WEYAND L R	New York Telephone
1975	SLAGHT J	New York Telephone Company
	STAFFER P	New York Telephone Company
	VIDLER L	New York Telephone Company
	WALKER B B	New York Telephone Company
	WALL ALLENE F	New York Telephone Company
	WEYAND JUNE MRS	New York Telephone Company
	ARCHER W	New York Telephone Company
	AUERNHAMMER ROSE	New York Telephone Company
	BENTSEN M	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	BORYSKO ANDREW	New York Telephone Company
	BRECHKA E	New York Telephone Company
	CARROLL G	New York Telephone Company
	CLARK JOS M	New York Telephone Company
	CLARK WALTER A	New York Telephone Company
	CLIFFORD CORALIE E	New York Telephone Company
	COCO CHAS J	New York Telephone Company
	CRABTREE G A	New York Telephone Company
	DAVISON R T	New York Telephone Company
	DAVISON THOS H	New York Telephone Company
	DOERR IA	New York Telephone Company
	DOLGIN JOS MD OFC	New York Telephone Company
	DUCASSE M A	New York Telephone Company
	ESPLIN EDWIN C MRS	New York Telephone Company
	FERGUSON M	New York Telephone Company
	FORLENZA ROBT	New York Telephone Company
	GLUCK BLANCHE	New York Telephone Company
	HARRIGAN D J	New York Telephone Company
	HAZLETT M A	New York Telephone Company
	HILL M	New York Telephone Company
	HOLTKAMP ALICE E	New York Telephone Company
	HORGAN E F	New York Telephone Company
	HORN HERMON A	New York Telephone Company
	JACOBS V LOUISE	New York Telephone Company
	JOYNER S T	New York Telephone Company
	KANE M	New York Telephone Company
	LAMBERSON LESTER G	New York Telephone Company
	MCCRACKEN THOMAS E	New York Telephone Company
	MCGIRR F C	New York Telephone Company
	MERRIFIELD I	New York Telephone Company
	MONAHAN C T	New York Telephone Company
	MORRIS L K	New York Telephone Company
	MORSE KENNETH E	New York Telephone Company
	MULLEN ELIZ A MRS	New York Telephone Company
	NAVAZIO MICHL	New York Telephone Company
	NEEDHAM CHESTER T	New York Telephone Company
	NEVINS CHLOE Y	New York Telephone Company
	O BRIEN EUGENE F	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	PAINE LEWIS C	New York Telephone Company
	REDOLFI I B	New York Telephone Company
	REILLY EDWIN V	New York Telephone Company
1970	BARBER EDITH W	New York Telephone
	BENTSEN M	New York Telephone
	BORYSKO ANDREW	New York Telephone
	BRYANT J A	New York Telephone
	BRYNES ASHER	New York Telephone
	CARROLL G	New York Telephone
	CLARK JOS M	New York Telephone
	CLARK WALTER A	New York Telephone
	CLIFFORD CORALIE E	New York Telephone
	COATES E V MRS	New York Telephone
	CRABTREE G A	New York Telephone
	DAVISON THOS H	New York Telephone
	DOLGIN JOS MD OFC	New York Telephone
	DUCASSE HENRI J	New York Telephone
	DUCASSE M A	New York Telephone
	EGAN JOHN P	New York Telephone
	ESPLIN EDWIN C MRS	New York Telephone
	FERGUSON MARGUERITE	New York Telephone
	FERRE M	New York Telephone
	FREY AUSTIN M	New York Telephone
	GLUCK BLANCHE	New York Telephone
	GOEBEL JACOB	New York Telephone
	HARRIGAN D J	New York Telephone
	HAZLETT MARY A	New York Telephone
	HOLTKAMP ALICE E	New York Telephone
	HORGAN E F	New York Telephone
	HORN HERMON A	New York Telephone
	JACOBS V LOUISE	New York Telephone
	JENSEN EDITH MRS	New York Telephone
	JOYNER ST	New York Telephone
	KANE M	New York Telephone
	LAMBERSON LESTER G	New York Telephone
	MCCAULEY A	New York Telephone
	MCCRACKEN THOMAS E	New York Telephone
	MCGIRR F C	New York Telephone

FINDINGS

Year	Uses	Source
1970	MERRIFIELD I	New York Telephone
	MONAHAN C T	New York Telephone
	MORRIS L K	New York Telephone
	MORSE KENNETH E	New York Telephone
	MULLEN ELIZ A MRS	New York Telephone
	NAVAZIO MICHL	New York Telephone
	NEEDHAM CHESTER T	New York Telephone
	NEVIUS CHLOE Y	New York Telephone
	PAINE LEWIS C	New York Telephone
	POWERS JOSEPH T	New York Telephone
	REDOLFI I B	New York Telephone
	ROSEMUND A MRS	New York Telephone
	SCHOENBUCHER F A	New York Telephone
	VIDLER W J	New York Telephone
	WALKER STUART H JR	New York Telephone
	WALL ALLENE F	New York Telephone
	WEYAND JUNE MRS	New York Telephone
	WIDDECOMBE A B	New York Telephone
	WILLARD E M	New York Telephone
1965	BAHJEJIAN ZAROUHI P MRS	New York Telephone Company
	BAILEY WM H	New York Telephone Company
	BARBER EDITH W	New York Telephone Company
	BENTSEN M	New York Telephone Company
	BERGEN MARTIN J	New York Telephone Company
	BRYANT J A	New York Telephone Company
	CLARK WALTER A	New York Telephone Company
	CLIFFORD CORALIE E	New York Telephone Company
	COATES E V MRS	New York Telephone Company
	COTTER JESSE A MRS	New York Telephone Company
	CRABTREE G A	New York Telephone Company
	DAVISON THOS H	New York Telephone Company
	DOLGIN JOS MD OFC	New York Telephone Company
	DUCASSE HENRI J	New York Telephone Company
	DUCASSE M A	New York Telephone Company
	EGAN JOHN P	New York Telephone Company
	ERSKINE A H	New York Telephone Company
	ESPLIN EDWIN C MRS	New York Telephone Company
	FERGUSON MARGUERITE	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	FERRE MARGARET	New York Telephone Company
	FITZPATRICK LEO	New York Telephone Company
	FREY AUSTIN M	New York Telephone Company
	GLUCK BLANCHE	New York Telephone Company
	HARRIGAN DJ	New York Telephone Company
	HICKS JOHN M	New York Telephone Company
	HOLTKAMP ALICE E	New York Telephone Company
	HORGAN ELEANOR F	New York Telephone Company
	HORN HERMON A	New York Telephone Company
	JACOBS V LOUISE	New York Telephone Company
	JENSEN EDITH MRS	New York Telephone Company
	KANE M	New York Telephone Company
	KIRKLEY CHAS L	New York Telephone Company
	LAMBERSON LESTER G	New York Telephone Company
	LAWLER HARRIET M	New York Telephone Company
	MERRIFIELD IRENE	New York Telephone Company
	MONAHAN C T	New York Telephone Company
	MORSE KENNETH E	New York Telephone Company
	MULLEN ELIZ A MRS	New York Telephone Company
	NAVAZIO MICHL	New York Telephone Company
	NEEDHAM CHESTER T	New York Telephone Company
	NEVINS CHLOE Y	New York Telephone Company
	PAINE LEWIS C	New York Telephone Company
	PRATT MARION MISS	New York Telephone Company
	ROBINSON H G	New York Telephone Company
	ROSEMUND A MRS	New York Telephone Company
	SCHOENBUCHER F A	New York Telephone Company
	SILBER M	New York Telephone Company
	VIDLER W J	New York Telephone Company
	WALKER STUART H JR	New York Telephone Company
	WALL ALLENE F	New York Telephone Company
	WEYAND JUNE MRS	New York Telephone Company
	WIDDECOMBE A B	New York Telephone Company
	ZEREGA DI ZEREGA L A MRS	New York Telephone Company
	ZIVELLI JOS E	New York Telephone Company
1960	COTTER JESSE A MRS	New York Telephone Company
	CRABTREE G A	New York Telephone Company
	DALLAS S J	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	DAVISON THOS H	New York Telephone Company
	DOLGIN JOS MD OFT	New York Telephone Company
	DUCASSE F MRS	New York Telephone Company
	DUCASSE HENRI J	New York Telephone Company
	EGAN JOHN P	New York Telephone Company
	ERSKINE A C MRS	New York Telephone Company
	ESPLIN EDWIN C MRS	New York Telephone Company
	FERGUSON MARGUERITE	New York Telephone Company
	FERRE MARGARET	New York Telephone Company
	FREY AUSTIN M	New York Telephone Company
	HARRIGAN D J	New York Telephone Company
	HATFIELD EVELYN M	New York Telephone Company
	HICKS JOHN M	New York Telephone Company
	HOLTKAMP ALICE E	New York Telephone Company
	HORGAN ELEANOR F	New York Telephone Company
	HORN HERMON A	New York Telephone Company
	JACOBS V LOUISE	New York Telephone Company
	KANE M	New York Telephone Company
	LAMBERSON LESTER G	New York Telephone Company
	LAWLER HARRIET M	New York Telephone Company
	MONAHAN CATHERINE T	New York Telephone Company
	MULLEN ELIZ A MRS	New York Telephone Company
	NAVAZIO MICHL	New York Telephone Company
	NEEDHAM CHESTER T	New York Telephone Company
	NEVIUS CHLOE Y	New York Telephone Company
	PRATT MARION MISS	New York Telephone Company
	ROBINSON HELEN G	New York Telephone Company
	ROSEMUND A MRS	New York Telephone Company
	SPRATT T H MRS	New York Telephone Company
	STANKE ELLY MRS	New York Telephone Company
	THOMAS A H MRS	New York Telephone Company
	TOMPKINS GEO G	New York Telephone Company
	VIDLER W J	New York Telephone Company
	VOORHEES SLOCUM	New York Telephone Company
	WALKER STUART H JR	New York Telephone Company
	WALL ALLENE F	New York Telephone Company
	WEYAND JUNE MRS	New York Telephone Company
	WIDDECOMBE A B	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	WILLIAMS JAS B	New York Telephone Company
	YAWGER FREDK C	New York Telephone Company
	ZEREGA DI ZEREGA L A MRS	New York Telephone Company
	ZIVELLI JOS E	New York Telephone Company
	BAILEY WM H	New York Telephone Company
	BARBER EDITH W	New York Telephone Company
	BRYANT J A	New York Telephone Company
	CARLIN S F	New York Telephone Company
	CLIFFORD CORALIE E	New York Telephone Company
	COATES E V MRS	New York Telephone Company
1934	Anderson Wm L Annie tchr Curtis HS h	R. L. Polk Co.
	Bante Clara H r	R. L. Polk Co.
	Bonner Reginald E h	R. L. Polk Co.
	Cleveland Beatrice A clk h	R. L. Polk Co.
	Dexter Dwight H Dorothy Heut US Coast Guard h	R. L. Polk Co.
	Eadie Bertram G Ethel M lawyer	R. L. Polk Co.
	h	R. L. Polk Co.
	Farnsworth Edna A prin h	R. L. Polk Co.
	Farnsworth Irma tchr r	R. L. Polk Co.
	Farquhar Robt Pauline credit mgr h	R. L. Polk Co.
	Fisher Ruth B tchr Curtis HS r	R. L. Polk Co.
	France Raymond B Susan J artist h	R. L. Polk Co.
	Handy Edith B clk Curtis HR r	R. L. Polk Co.
	Handy Howard R adv h	R. L. Polk Co.
	Hayward Florence N clk h	R. L. Polk Co.
	Hennig Josephine r	R. L. Polk Co.
	Holmes Thos Grace writer h	R. L. Polk Co.
	Holtkamp Alice B bkpr h	R. L. Polk Co.
	Jacobsen Annie dom r	R. L. Polk Co.
	Johnson Harry S Maude D ins brower h	R. L. Polk Co.
	Junius Harper Lillian Int decorator h	R. L. Polk Co.
	Junius Teressa student r	R. L. Polk Co.
	La Pointe Arth L Emma interior decorator	R. L. Polk Co.
	h	R. L. Polk Co.
	Leonard Florence M Blue Macaw Shop h	R. L. Polk Co.
	Leonard Mary J wid Chas H h	R. L. Polk Co.
	Lonergan H Jos firemn S I Rapid Transit Ry Co h	R. L. Polk Co.

FINDINGS

Year	Uses	Source
1934	Matthews Iris dom r	R. L. Polk Co.
	Mella Anthony elev opr r	R. L. Polk Co.
	Muller Chas H sec Muller Hdw Co Inc r	R. L. Polk Co.
	Muller Mary Etta wid Julius C h	R. L. Polk Co.
	Navazio Michl Felimina supt Pentz Apts h	R. L. Polk Co.
	NELSON Jos M May B civ eng h	R. L. Polk Co.
	NICHOLS Eda wid Wm h	R. L. Polk Co.
	NICHOLS Edna L tchr Curtis HS r	R. L. Polk Co.
	NICHOLS Wm A clergymn	R. L. Polk Co.
	Norton Avis wid Lieut Harmon student r	R. L. Polk Co.
	Pentz Apartmaents	R. L. Polk Co.
	Reed Teressa wid Geo r	R. L. Polk Co.
	Reichard J Davis Pansy phys h	R. L. Polk Co.
	Reilly Anna r	R. L. Polk Co.
	Reilly Mary h	R. L. Polk Co.
	Royal Peyton K Amelia mortgage broker h	R. L. Polk Co.
	Simonson Chas E Mary ins broker	R. L. Polk Co.
	h	R. L. Polk Co.
	Simonson Cortelyoy Ladd r	R. L. Polk Co.
	White Chas G r	R. L. Polk Co.
	White Sophia B h	R. L. Polk Co.
	Widecombe Margt wid John h	R. L. Polk Co.
	Williams Helen W tchr Curtis HS r	R. L. Polk Co.
1928	PENTZ APARTMENTS	New York Telephone
	REID D P R	New York Telephone
	SCHMIDT WILL C T R	New York Telephone
	SCHRAMME CARL J MRS R	New York Telephone
	SIMONSON CHAS E R	New York Telephone
	SMITH KENNETH D R	New York Telephone
	SPRIGG C C R	New York Telephone
	SPRIGG W O MRS R	New York Telephone
	WALKER S H R	New York Telephone
	WIDDECOMBE M MRS R	New York Telephone
	WILLIAMS H W MISS R	New York Telephone
	WOLFF CHAS L R	New York Telephone
	YOUNG WM MACBRIDE R	New York Telephone
	ATTERBURY J FRANCIS R	New York Telephone
	BANGHART CHAS S R	New York Telephone

FINDINGS

Year	Uses	Source
1928	BARKER FREDK W R	New York Telephone
	BELL GEO R	New York Telephone
	BONNE R E R	New York Telephone
	BOAS HARS F R	New York Telephone
	CRAPSTER T G COM R	New York Telephone
	DENISON H C R	New York Telephone
	DEVER J E R	New York Telephone
	DICK GLADYS F R	New York Telephone
	DICK J N R	New York Telephone
	DRISCOLL ARTHUR S MD R	New York Telephone
	FARNSWORTH E A MISS R	New York Telephone
	FARQUHAR ROBT R	New York Telephone
	FITZSIMONS A M R R	New York Telephone
	HANDY E B MISS R	New York Telephone
	HANDY H R R	New York Telephone
	HYDE M E MISS R	New York Telephone
	IWERSEN J R R	New York Telephone
	JOHNSON H S R	New York Telephone
	JONES E D COMDR	New York Telephone
	KINKELE R A R	New York Telephone
	LE JEUNE BRYCE R	New York Telephone
	LONG HENRY R	New York Telephone
	LYTLE J H R	New York Telephone
	MERSEREAU N A R	New York Telephone
	MORSE E P JR R	New York Telephone
	NELSON JOS M R	New York Telephone
	NOEL PIERRE JR	New York Telephone

34 CENTRAL AVE

Year	Uses	Source
1934	Baxton Philip civil eng r	R. L. Polk Co.
	Mullins Thos mgr Title Guarantee and Trust Co r	R. L. Polk Co.
	Carghan Edw Charlotte electn r	R. L. Polk Co.
	Fidelity Raymond clk r	R. L. Polk Co.
	Garner Jas E Mary mtrmn h	R. L. Polk Co.
	Stowell Jos Helen mach hlpr r	R. L. Polk Co.
	Steer Carl gdnr r	R. L. Polk Co.
1928	KANE M A MISS R	New York Telephone

FINDINGS

35 CENTRAL AVE

Year	Uses	Source
1979	DUCASSE M A	New York Telephone
1928	EADIE BERTRAM G R	New York Telephone

38 CENTRAL AVE

Year	Uses	Source
1934	Burkholder Louise wid Louis clk r	R. L. Polk Co.
	Capitelli Dullio Sunrise Dairy r	R. L. Polk Co.
	Dickson Charlotte E wid Stewart r	R. L. Polk Co.
	Henderics Wm Police r	R. L. Polk Co.
	Highee Mason A Julia slsmn h	R. L. Polk Co.
	Allen John r	R. L. Polk Co.
	Lonergan Jos H Ida loco eng h	R. L. Polk Co.
	Mc Kinney Thos br mgr Thoa Roulston Inc r	R. L. Polk Co.
	Skerritt Michl H Mae police h	R. L. Polk Co.
	Van Vechten Jessie wid Cuyler h	R. L. Polk Co.
	Van Vetchen Jessie wid Cuyler r	R. L. Polk Co.
	Kaucher Harriet r	R. L. Polk Co.
1928	PARKER E E MRS R	New York Telephone
	DULLEA CHAS B R	New York Telephone
	BRINKMAN H R	New York Telephone

4 CENTRAL AVE

Year	Uses	Source
2000	5D E Brechka	Cole Information Services
	A Zofia Borejczuk	Cole Information Services
	Abib Cice	Cole Information Services
	C Kevin Coyne	Cole Information Services

41 CENTRAL AVE

Year	Uses	Source
2000	John Lopez	Cole Information Services
	R Konarzewski	Cole Information Services

44 CENTRAL AVE

Year	Uses	Source
1934	Reaver Henry slswn r	R. L. Polk Co.
	Radoff Saml Cath pntr r	R. L. Polk Co.
	ONiel Frank auto mech r	R. L. Polk Co.

FINDINGS

Year	Uses	Source
1934	Hannell Arnold lab r	R. L. Polk Co.
	Lyon Raymond r	R. L. Polk Co.
	Lyon Everett Celia acct r	R. L. Polk Co.
	Longbammer Jahn fctywkmr r	R. L. Polk Co.
	Lenman Jolin H Heldwig furn rms	R. L. Polk Co.
	Lehman John H Hedwig furn rms	R. L. Polk Co.
	Megerian Arman Clara lab r	R. L. Polk Co.
1928	SANJOUR THEO R	New York Telephone
	JACKSON EDW W BRDG	New York Telephone

45 CENTRAL AVE

Year	Uses	Source
1934	Meyer Leon Frances h	R. L. Polk Co.
	Backston Phll eng Mhn h	R. L. Polk Co.

48 CENTRAL AVE

Year	Uses	Source
1934	Lusse John Edna barber h	R. L. Polk Co.
	Ormsby Jos meat ctr r	R. L. Polk Co.
	Brown Harry slsmn r	R. L. Polk Co.
	Kirk Glen first aid doctor r	R. L. Polk Co.
1928	STERNS M H MISS R	New York Telephone

49 CENTRAL AVE

Year	Uses	Source
1934	Thomen Otto J Ingrid banker Mhn h	R. L. Polk Co.
	Thomen Beatrice student r	R. L. Polk Co.
1928	THOMEN OTTO J R	New York Telephone

5 CENTRAL AVE

Year	Uses	Source
2012	NEW YORK PUBLIC LIBRARY	Cole Information Services
2005	Staten Island Borough Library	Hill-Donnelly Information Services
	New York Public Library	Hill-Donnelly Information Services
2000	NY Pub Library Br	Cole Information Services
	NY Public Library	Cole Information Services
	NY Pub Library St	Cole Information Services
	NY Pub Library Sttn	Cole Information Services
	A N Navazzio	Cole Information Services
	Michael Nowicki	Cole Information Services

Year	Uses	Source
2000	C James Oliva	Cole Information Services
1995	New York Public Library Branch Library Systems Staten Island Borough Office	NYNEX
1970	MITCHELL JOS	New York Telephone
1965	MITCHELL JOS	New York Telephone Company
1960	MITCHELL JOS	New York Telephone Company
1928	GARVEY MARIE MISS R	New York Telephone
	N Y PUBLIC LIBRARIES BORO OF RICHMOND	New York Telephone
	ST GEORGE BRCH N Y PUBLIC LIBRARY	New York Telephone

51 CENTRAL AVE

Year	Uses	Source
2000	Robert Vaughn	Cole Information Services
	Zofia Surowiec	Cole Information Services
	Louis Strandberg	Cole Information Services

6 CENTRAL AVE

Year	Uses	Source
2000	H Mary A Anderson	Cole Information Services
	F Robert Forlenza	Cole Information Services
	Emesto Paredes H	Cole Information Services
	C Daniel Ortutay	Cole Information Services
	Samuel Papir	Cole Information Services
	N Gonzalez	Cole Information Services

CENTRAL PL

30 CENTRAL PL

Year	Uses	Source
1928	PEDERSON M R	New York Telephone

50 CENTRAL PL

Year	Uses	Source
1934	Douglas Gertrude Mrs nurse	R. L. Polk Co.

FINDINGS

CENTRL AVE

33 CENTRL AVE

Year	Uses	Source
1984	BRECHKA E	New York Telephone
1979	CARROLL G	New York Telephone

HYATT

1 HYATT

Year	Uses	Source
1984	FIRST NATIONWIDE SAVINGS & LOAN ASSOCIATION	New York Telephone
1979	WEST SIDE FEDERAL SAVINGS & LOAN ASSN-	New York Telephone
1975	WEST SIDE FEDERAL SAVINGS & LOAN ASSN	New York Telephone Company
1970	NEW BRIGHTON STATEN ISLAND SAVING S & LOAN ASSN-	New York Telephone
	TURVEY SAML A B	New York Telephone
1965	TURVEY SAML A B	New York Telephone Company
	NEW BRIGHTON-SI SAVINGS & LOAN ASSN	New York Telephone Company
1960	TURVEY SAML A B	New York Telephone Company
	NEW BRIGHTON-SI SAVINGS & LOAN ASSN	New York Telephone Company

10 HYATT

Year	Uses	Source
1990	NEW YORK PUBLIC LIBRARY	NYNEX Information Resource Company
1984	NEW YORK PUBLIC LIBRARY -	New York Telephone
	NEW YORK PUBLIC LIBRARY -	New York Telephone
	NEW YORK PUBLIC LIBRARY -	New York Telephone
1979	SMITH ALBERT	New York Telephone
	NEW YORK PUBLIC LIBRARY -	New York Telephone
	NEW YORK PUBLIC LIBRARY -	New York Telephone
	NEW YORK PUBLIC LIBRARY	New York Telephone
	NEW YORK PUBLIC LIBRARY	New York Telephone
1975	NEW YORK PUBLIC LIBRARY NEW DORP	New York Telephone Company
	NEW YORK PUBLIC LIBRARY INFORMATION REFERENCE SVCE	New York Telephone Company
	NEW YORK PUBLIC LIBRARY INFORMATION REFERENCE SVCE	New York Telephone Company

FINDINGS

Year	Uses	Source
1970	N Y PUBLIC LIBRARY	New York Telephone
	N Y PUBLIC LIBRARY	New York Telephone
	N Y PUBLIC LIBRARY	New York Telephone
	N Y PUBLIC LIBRARY	New York Telephone
1965	NY PUBLIC LIBRARY	New York Telephone Company
	NY PUBLIC LIBRARY	New York Telephone Company
	NY PUBLIC LIBRARY	New York Telephone Company
1960	NY PUBLIC LIBRARY DONGAN HILLS	New York Telephone Company
	NY PUBLIC LIBRARY CENTRL BLDG	New York Telephone Company
	NY PUBLIC LIBRARY CENTRL BLDG	New York Telephone Company

15 HYATT

Year	Uses	Source
1990	SI SAVINGS BANK	NYNEX Information Resource Company
	SI SAVINGS BANK	NYNEX Information Resource Company
1984	SI SAVINGS BANK	New York Telephone
1979	SI SAVINGS BANK	New York Telephone
1975	S I SAVINGS BANK	New York Telephone Company
1970	S I SAVINGS BANK	New York Telephone
1965	SI SAVINGS BANK	New York Telephone Company
1960	SI SAVINGS BANK	New York Telephone Company

19 HYATT

Year	Uses	Source
1984	COUNTRY COLLECTION FURNITURE	New York Telephone
1979	ST GEORGE LIQUOR STORE	New York Telephone
1975	ST GEORGE LIQUOR STORE	New York Telephone Company
1970	ST GEORGE LIQUOR STORE	New York Telephone

2 HYATT

Year	Uses	Source
1928	HOPKINS VICTOR R	New York Telephone

23 HYATT

Year	Uses	Source
1960	FINGADO RAYMOND C B	New York Telephone Company
	NEW YORK TELEPHONE COMPANY BUSINESS OFFICE	New York Telephone Company
	MILBREDT FREDK W B	New York Telephone Company

25 HYATT

Year	Uses	Source
1990	CITIBANK N A 24 HOUR CITICARD BANKING CENTERS	NYNEX Information Resource Company
	AMOURY ROBT J ATTY GENERAL PRACTICE OF LAW	NYNEX Information Resource Company
	BELMONT REAL ESTATE CO	NYNEX Information Resource Company
	CULLEN & DYKMAN	NYNEX Information Resource Company
	LEGAL AID SOCIETY-	NYNEX Information Resource Company
	ST GEORGE THEATRE PRODCTNS INC	NYNEX Information Resource Company
	STATEN ISLAND T A S C	NYNEX Information Resource Company
1984	BELMONT REAL ESTATE CO	New York Telephone
	CITIBANK N A MONEY MARKET BRANCH SALES	New York Telephone
	STATEN ISLAND RAPID TRANSIT OPERATING AUTH	New York Telephone
1979	ACE PROCESS SERVING AGNCY	New York Telephone
	AMOURY ROBT J ATTY	New York Telephone
	ARI REALTY CORP	New York Telephone
	CITIBANK N A -	New York Telephone
	COSENTINO SAMI J ACCTNT & INS	New York Telephone
	KAPLAN PHILIP J ATTY	New York Telephone
	NEW YORK-STATE OF LABOR DEPT OF MANPOWER SVCES DIV EMPLOYMENT OFCS	New York Telephone
	ROSENBERG LUDWIG RL EST	New York Telephone
	ST GEORGE THEATRE-	New York Telephone
	ST GEORGE THEATRE-	New York Telephone
	SIGELMAN SIDNEY ATTY	New York Telephone
	STATEN ISLAND RAPID TRANSIT OPERATING AUTH	New York Telephone
	WERB JOS ATTY	New York Telephone
	WERB LEWIS ATTY	New York Telephone
1975	ACE PROCESS SERVING AGNCY	New York Telephone Company
	AMOURY ROBT J ATTY	New York Telephone Company
	AUTOMOBILE CLUB OF AMERICA INC QUEENS JAM	New York Telephone Company
	BELARDINO MARIO ATTY	New York Telephone Company
	BETTER MANAGEMT SVCES	New York Telephone Company
	CITIBANK	New York Telephone Company
	CORTINA VALLEY ASSOCS	New York Telephone Company
	COSENTINO SAML J ACCTNT & INS	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	FIRST NATIONAL CITY BANK	New York Telephone Company
	HART GEORGE M LWYR	New York Telephone Company
	KAPLAN PHILIP J ATTY	New York Telephone Company
	MARCHI TESNAKIS & HART	New York Telephone Company
	NATIONAL PALLET LEASING SYSTEMS INC	New York Telephone Company
	NEW YORK STATE OF HUMAN RIGHTS DIV OF	New York Telephone Company
	EMPLOYMENT OFCS GENERAL PLACEMENT OFC	New York Telephone Company
	NEW YORK STATE OF UNEMPLOYMENT INSURANCE DIV FIELD TAX SERVICES AREA OFC	New York Telephone Company
	PAULLY DAVID J LWYR	New York Telephone Company
	ROSENBERG LUDWIG RL EST	New York Telephone Company
	SIGELMAN SIDNEY ATTY	New York Telephone Company
	SMITH C ERNEST LWYR	New York Telephone Company
	SMITH ERNEST LWYR	New York Telephone Company
	SMITH & TESNAKIS LWYRS	New York Telephone Company
	STATEN ISLAND CHILDREN S MUSEUM	New York Telephone Company
	STATEN ISLAND RAPID TRANSIT OPERATING AUTH	New York Telephone Company
	TESNAKIS COSTA N ATTY	New York Telephone Company
	TESNAKIS & HART	New York Telephone Company
	WEISER LEO B	New York Telephone Company
	WERB JOS ATTY	New York Telephone Company
	WERB LEWIS ATTY	New York Telephone Company
1970	ACE PROCESS SERVING AGNCY	New York Telephone
	ALLAGASH REALTY CORP	New York Telephone
	AMOURY ROBT J ATTY	New York Telephone
	BETTER MANAGEMT SVCES	New York Telephone
	BORO AGNCY RL EST	New York Telephone
	BREGOFF A CORNELIUS ATTY	New York Telephone
	CAMP FIRE GIRLS OF S I	New York Telephone
	COMMUNITY CHEST & COUNCL	New York Telephone
	CONDON REALTY CO	New York Telephone
	COSENTINO SAMI J ACCTNT & INS	New York Telephone
	DI CROCCO THERESA E LWYR	New York Telephone
	FERRETTI EUGENE V P ATTY	New York Telephone
	FERRETTI VINCENT E ATTY	New York Telephone
	FERRETTI VINCENT E ATTY	New York Telephone

FINDINGS

Year	Uses	Source
1970	FIRST NATL CITY BANK ST GEORGE	New York Telephone
	HOROWITZ CARL LWYR	New York Telephone
	LEAHEY JOS M ATTY	New York Telephone
	MILLER LOUIS R CLU INS	New York Telephone
	MORSE NORMAN C LWYR	New York Telephone
	MULLIGAN ROBERT	New York Telephone
	NEW YORK STATE OF HUMAN RIGHTS STATE DIV OF	New York Telephone
	NEW YORK STATE OF LABOR DEPT OF EMPLOYER ACCOUNTS FIELD TAX SVCES	New York Telephone
	NEW YORK STATE OF LABOR DEPT OF	New York Telephone
	NEW YORK STATE OF LABOR DEPT OF EMPLOYMENT DIV OF EMPLYMNT SVCE	New York Telephone
	PAULLY DAVID J LWYR	New York Telephone
	RICHMOND CNTY BAR ASSOC	New York Telephone
	ROSENBERG LUDWIG RL EST	New York Telephone
	SALVATION ARMY THE BORO OFC	New York Telephone
	SIGELMAN SIDNEY ATTY	New York Telephone
	SMITH C ERNEST LWYR	New York Telephone
	SMITH ERNEST LWYR	New York Telephone
	SMITH & TESNAKIS LWYRS	New York Telephone
	S I COMMUNITY CHEST & COUNCL INC	New York Telephone
	STATEN ISLAND COMMUNITY CORP	New York Telephone
	STATEN ISLAND COMMUNITY CORP	New York Telephone
	STRIER LEO LWYR	New York Telephone
	STRIER & STRIER LWYRS	New York Telephone
	TESNAKIS COSTA N ATTY	New York Telephone
	TWYFORD EDWARD	New York Telephone
	WERB JOS ATTY	New York Telephone
	WERB LEWIS ATTY	New York Telephone
1965	ACMERGE SECURITIES CO INC STK BRKRS	New York Telephone Company
	AMOURY ROBT J ATTY	New York Telephone Company
	BERLIN ALFRED BRKR	New York Telephone Company
	BORO AGNCY RL EST	New York Telephone Company
	BREGOFF A CORNELIUS ATTY	New York Telephone Company
	COMMUNITY CHEST & COUNCL	New York Telephone Company
	CONDON REALTY CO	New York Telephone Company
	COSENTINO SAM J ACCTNT & INS	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	DILORIO RALPH ATTY	New York Telephone Company
	DIORIO RALPH ATTY	New York Telephone Company
	FEDERICI T J B	New York Telephone Company
	FERRETTI EUGENE V P ATTY	New York Telephone Company
	FERRETTI VINCENT E ATTY	New York Telephone Company
	FERRETTI VINCENT E ATTY	New York Telephone Company
	FINGADO RAYMOND C B	New York Telephone Company
	HARRISON STANLEY M ATTY	New York Telephone Company
	HOROWITZ CARL LWYR	New York Telephone Company
	KOOPER AL RL EST	New York Telephone Company
	LEAHEY JOS M ATTY	New York Telephone Company
	LEWIN HENRY BRKR	New York Telephone Company
	MILLER LOUIS R CLU INS	New York Telephone Company
	MORSE NORMAN C LWYR	New York Telephone Company
	PAULLY DAVID J LWYR	New York Telephone Company
	RIVKIN IRVING LWYR	New York Telephone Company
	SMITH C ERNEST LWYR	New York Telephone Company
	SMITH ERNEST LWYR	New York Telephone Company
	SMITH & TESNAKIS LWYRS	New York Telephone Company
	SI COMMUNITY CHEST & COUNCL INC	New York Telephone Company
	STRIER LEO LWYR	New York Telephone Company
	STRIER & STRIER LWYRS	New York Telephone Company
	TAMARIN LLOYD B LWYR	New York Telephone Company
	TESNAKIS COSTA N ATTY	New York Telephone Company
	TURVEY AGNCY RL EST & INS	New York Telephone Company
	WERB JOS ATTY	New York Telephone Company
	ZULLO JOHN G STK BRKR	New York Telephone Company
1960	AMOURY ROBT J ATTY	New York Telephone Company
	BORO AGNCY RL EST	New York Telephone Company
	BOTWINICK GEO J ACCTNT	New York Telephone Company
	BREGOFF A CORNELIUS ATTY	New York Telephone Company
	CAMP FIRE GIRLS OF SI	New York Telephone Company
	COMMUNITY CHEST & COUNCL	New York Telephone Company
	CONDON REALTY CO	New York Telephone Company
	COSENTINO SAML J ACCTNT & INS	New York Telephone Company
	D ARRIGO CHAS J ATTY	New York Telephone Company
	DILORIO RALPH ATTY	New York Telephone Company
	DIORIO RALPH ATTY	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	FERRETTI EUGENE V P ATTY	New York Telephone Company
	FERRETTI VINCENT E ATTY	New York Telephone Company
	GANNON FRANK S LWYR	New York Telephone Company
	LEAHEY JOS M ATTY	New York Telephone Company
	LULOFF ZALME ATTY	New York Telephone Company
	MCGRATH S S DNTST	New York Telephone Company
	MERCER ROBT C INS	New York Telephone Company
	MILLER LOUIS R CLU INS	New York Telephone Company
	MONROE J KLEIN SHELDON STILLMAN INC INS	New York Telephone Company
	MULLIN WM P ATTY	New York Telephone Company
	NEUBERGER JEROME M LWYR	New York Telephone Company
	PAULLY DAVID J IWYR	New York Telephone Company
	RIVKIN IRVING IWYR	New York Telephone Company
	SCHEFFEL WM A ATTY	New York Telephone Company
	SINGER GERALD ATTY	New York Telephone Company
	SMITH C ERNEST LWYR	New York Telephone Company
	SMITH ERNEST LWYR	New York Telephone Company
	SMITH & TESNAKIS LWYRS	New York Telephone Company
	SI COMMUNITY CHEST & COUNCL INC	New York Telephone Company
	SI PROPERTY SALES CO INC RL EST	New York Telephone Company
	STILLMAN SHELDON INS	New York Telephone Company
	STRIER LEO LWYR	New York Telephone Company
	STRIER & STRIER LWYRS	New York Telephone Company
	SULLIVAN THOS R ATTY	New York Telephone Company
	TAUB IRSA S ATTY	New York Telephone Company
	WERB JOS ATTY	New York Telephone Company
	WERB LEWIS ATTY	New York Telephone Company
	WERB & WERB ATTYS	New York Telephone Company

27 HYATT

Year	Uses	Source
1990	SPOTLIGHT PRNTNG CENTER INC	NYNEX Information Resource Company
1984	SPOTLIGHT PRNTNG CENTER INC	New York Telephone
1979	SPOTLIGHT PRNTNG CENTER INC	New York Telephone
1975	SPOTLIGHT PRNTNG CENTER INC	New York Telephone Company
	ST GEORGE THEATR	New York Telephone Company
1970	ST GEORGE THEATR	New York Telephone
1965	ACE PROCESS SERVING AGNCY	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	POLTRONIERI EDMUND LWYR	New York Telephone Company
	SI INS AGNCY	New York Telephone Company
	SURLES ROBT G INS	New York Telephone Company
1960	PRUDENTIAL SECURITIES CORP	New York Telephone Company

29 HYATT

Year	Uses	Source
1970	ARTHUR S BARBER SHOP	New York Telephone

3 HYATT

Year	Uses	Source
1975	MAYFAIR BAR & GRILL	New York Telephone Company
1970	MAYFAIR BAR & GRILL	New York Telephone

32 HYATT

Year	Uses	Source
1928	KUCK V BAKRY	New York Telephone

34 HYATT

Year	Uses	Source
1928	ZARRILLI G TAILOR	New York Telephone

38 HYATT

Year	Uses	Source
1928	PLAZA MARKET	New York Telephone
	LANGE H E MKT	New York Telephone

40 HYATT

Year	Uses	Source
1928	BUTLER JAS INC GROCER	New York Telephone

5 HYATT

Year	Uses	Source
1979	IN STEP BOUTIQUE INC	New York Telephone
1975	THE SAINT GEORGE WOMAN BOUTIQUE	New York Telephone Company
1970	LILIAN S DRESS SHOP	New York Telephone

51 HYATT

Year	Uses	Source
1928	SULLIVAN A MRS BRDNG	New York Telephone

7 HYATT

Year	Uses	Source
1990	HYATT CARD & GIFT	NYNEX Information Resource Company
1984	HENNA CARD SHOP	New York Telephone
1979	HARLYN CARD SHOP	New York Telephone
	USLIFE TITLE INSURANCE COMPANY OF NEW YORK	New York Telephone
1970	INTER COUNTY TITLE GUAR & MORTGAGE CO	New York Telephone
1965	INTER-OUNTY TITLE GUARANTY & MORTGAGE GO	New York Telephone Company
1960	TITONE VITO J ATTY	New York Telephone Company
	SULLIVAN JOHN ATTY	New York Telephone Company
	MALTESE & TITONE ATTYS	New York Telephone Company
	FERRANTE BEATRICE G INS	New York Telephone Company
	FERRANTE THOS A RL EST	New York Telephone Company
	A THOS FERRANTE INS	New York Telephone Company

9 HYATT

Year	Uses	Source
1990	GILLY S LUNCHEONETTE	NYNEX Information Resource Company
1984	GILLYS LUNCHEONETTE	New York Telephone
1975	GLENNS COUNTRY KITCHENS INC	New York Telephone Company
1970	LEVY S CONFCTRY	New York Telephone
	BORO HALL LUNCHNET	New York Telephone
1965	BORO HALL LUNCHNET	New York Telephone Company
	LEVY YALE STATNRY	New York Telephone Company
1960	BORO HALL LUNCHNET	New York Telephone Company
	LEVY YALE STATNRY	New York Telephone Company

HYATT ST

0 HYATT ST

Year	Uses	Source
2000	HAGSTRON MAP LOC	Cole Information Services

1 HYATT ST

Year	Uses	Source
2012	VICTORY STATE BANK	Cole Information Services
2007	VICTORY STATE BANK	Cole Information Services
2005	Victory State Bank i F	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
1995	Cafe Two Hyatt Street	NYNEX

10 HYATT ST

Year	Uses	Source
1995	St George Library Center	NYNEX
	New Dorp	NYNEX

15 HYATT ST

Year	Uses	Source
2012	CFRC	Cole Information Services
	SIB & T	Cole Information Services
	COMMUNITY FOOD RESOURCE	Cole Information Services
2007	INDEPENDENCE COMMUNITY BANK	Cole Information Services
2005	Si Bank & Trust 1 F	Hill-Donnelly Information Services
2000	Staton Isle Svngs	Cole Information Services
1995	St George	NYNEX
	General Information	NYNEX
	St George	NYNEX

17 HYATT ST

Year	Uses	Source
1934	Barkin Reubln waiter Associated Inn h	R. L. Polk Co.
	Barkin Meyer r	R. L. Polk Co.
	Barkin Celia Associated Inn h	R. L. Polk Co.
	Barkin Hary Celia mgr The Associated Inn r	R. L. Polk Co.

19 HYATT ST

Year	Uses	Source
2012	FUNERAL FLORAL DESIGNS	Cole Information Services
2007	GRAND FLORALS INC	Cole Information Services
	LOUIS FLORIST & GRAND FLORALS INC	Cole Information Services
2005	Louis Florist in R	Hill-Donnelly Information Services
2000	St George Theater	Cole Information Services

25 HYATT ST

Year	Uses	Source
2012	STATEN ISLAND AIDS TASK FORCE	Cole Information Services
	ACTION COMMUNITY HEALTH	Cole Information Services

FINDINGS

Year	Uses	Source
2012	B R C HUMAN SERVICES CORPORATION	Cole Information Services
	PLANNED PARENTHOOD NYC	Cole Information Services
	A LOCK & LOCKSMITH	Cole Information Services
2007	SEAMANS SOCIETY FOR CHILDREN & FA	Cole Information Services
	COMMUNITY HEALTH ACTION OF STATEN IS	Cole Information Services
	FLOCK INDUSTRIAL TEXTILE INC	Cole Information Services
	BRC HUMAN SERVICES CORP	Cole Information Services
	CITIBANK NA	Cole Information Services
2005	Flock Industrial Textiles Inc	Hill-Donnelly Information Services
	Hiv Call IP	Hill-Donnelly Information Services
	Runaway Hotline	Hill-Donnelly Information Services
	Seamens Society For Children	Hill-Donnelly Information Services
2000	Health Plns	Cole Information Services
	Runaway Hetline M	Cole Information Services
	Seamens Chld & Family	Cole Information Services
	Staton Island ADS	Cole Information Services
	Society Smns	Cole Information Services
	Society Chld & Fmly	Cole Information Services
	Staton Island ADS	Cole Information Services
	Teen Advecacy Prgn	Cole Information Services
	Viction Serv Conrie	Cole Information Services
	Viction Service	Cole Information Services
1995	Belmont Real Estate Co	NYNEX
	Francescos Cafe & Restaurant	NYNEX
	Staten Island Neighborhood Ofc	NYNEX
	LEGAL AID SOCIETY Civil Appeals & Law Reform Unit	NYNEX
	Juvenile Rights Div	NYNEX
	LEGAL AID SOCIETY Civil Appeals & Law Reform Unit	NYNEX
	Staten Island Office	NYNEX
	LEGAL AID SOCIETY Jurere Rights Division Manhattan Law Office	NYNEX
	Legal Aid Society S I Neighborhood Ofc	NYNEX
	SOCIETY FOR SEAMENS	NYNEX
	CHILDREN	NYNEX
	SOCIETY FOR SEAMENS	NYNEX
	Fax	NYNEX

FINDINGS

Year	Uses	Source
1995	SOCIETY FOR SEAMENS	NYNEX
	VICTIM SERVICES	NYNEX
	Community Office	NYNEX
	Victim Services	NYNEX
1934	Baker Edw S Jassie lawyer	R. L. Polk Co.
	Catania Realty Corp NY Nicholas Catania pres Mrs Josephine L Catania sec real est brokers	R. L. Polk Co.
	Diamond Realty Co RTN Morris Diamond	R. L. Polk Co.
	Flake Wm L Leah S real est broker	R. L. Polk Co.
	Flake Wm L jr Gwendolyn ins broker	R. L. Polk Co.
	Hoyt Roy C Carrie M ins broker	R. L. Polk Co.
	Kimmerer Geo F Frances S real est broker	R. L. Polk Co.
	Maccabees The Nicholas Catania mgr main office	R. L. Polk Co.
	Mc Gee Anthony wtchmn r	R. L. Polk Co.
	Mc Grath Sylvester S dentist	R. L. Polk Co.
	NEW YORK CITY OF Contd Department of Hospitals Sea View Hospital Dr Chrisman B Scherf supt Manor WNB	R. L. Polk Co.
	Tenement House Department Jas A Mc Kinney dep commr in charge Francis A Byrne acting chf imspr	R. L. Polk Co.
	St George Theatre Co Inc NY Lawrence Morris mgr motion pictures	R. L. Polk Co.
	ST GEORGE HOTEL John Kirschner Mgr	R. L. Polk Co.
	Simonson C E & Co Inc NY Chas A Simonsnon pres Wm L Flake jr v pres Rov C Hoyt sec real est brokers	R. L. Polk Co.
	Simonson Chas E Mary ins broker	R. L. Polk Co.
	Staten Island Abstract Co Inc NY Geo F Kimmerer pres Leonora M Thompson sec real est brokers	R. L. Polk Co.
	Stiles Chas G Florence dentist	R. L. Polk Co.
	Walsh Dorothy usher St George Theatre Co Inc	R. L. Polk Co.
	Wanty Edw real est	R. L. Polk Co.

27 HYATT ST

Year	Uses	Source
2012	ENOTECA MARIA	Cole Information Services
2005	Spotlight Printing Stationer	Hill-Donnelly Information Services
2000	Sptlght Sttnry	Cole Information Services

FINDINGS

Year	Uses	Source
1995	Spotlight Printing And Stationery	NYNEX
1934	Saily Jos Mary shoe reprmn	R. L. Polk Co.
	St George Candy Shop TN Michl Theodore restr	R. L. Polk Co.

29 HYATT ST

Year	Uses	Source
2012	RISPOLI PASTRY SHOP	Cole Information Services
2005	No Current Listing	Hill-Donnelly Information Services

3 HYATT ST

Year	Uses	Source
2012	STEINYS PUB	Cole Information Services

30 HYATT ST

Year	Uses	Source
1934	Henrys Sandwich Shop TN Anna Gannon restr	R. L. Polk Co.
	Nicolais Michl Vinzeza shoo repr	R. L. Polk Co.

34 HYATT ST

Year	Uses	Source
1934	Zarrilli Genaro Rose clothes pressers and clnas	R. L. Polk Co.

35 HYATT ST

Year	Uses	Source
2012	ST GEORGE THEATER THE	Cole Information Services
2007	THE SAINT GEORGE THEATRE RICHMOND	Cole Information Services
2005	St George Theater Is	Hill-Donnelly Information Services

38 HYATT ST

Year	Uses	Source
1934	Plaza Market RTN Henry B Lange meats	R. L. Polk Co.

5 HYATT ST

Year	Uses	Source
2012	GIUSEPPES PIZZA AT STREET GEORGE	Cole Information Services
2007	RICHMOND GIFTS	Cole Information Services
2005	Richmond Gifts	Hill-Donnelly Information Services
2000	Rich MOND Gifts	Cole Information Services

FINDINGS

51 HYATT ST

Year	Uses	Source
1934	Tings Betty sten h	R. L. Polk Co.
	Sullivan Wm J Anna msngr h	R. L. Polk Co.
	Segretes Jos printer r	R. L. Polk Co.
	Ruddy Patk auto accessorles r	R. L. Polk Co.
	Maddox All auto mech r	R. L. Polk Co.
	Hall Jos H lab Bureau of Highways r	R. L. Polk Co.
	Flaherty Jas lab r	R. L. Polk Co.
	Burke Julia Mrs clk r	R. L. Polk Co.
	Curran Patricia student r	R. L. Polk Co.

7 HYATT ST

Year	Uses	Source
2012	HYATT CARD & GIFT INC	Cole Information Services
2007	HYATT CARD & GIFT INC	Cole Information Services
2005	Hyatt Card & Gift 1 R a	Hill-Donnelly Information Services
2000	Hyatt Crd & Gift Inc	Cole Information Services
1995	Hyatt Card & Gift	NYNEX

9 HYATT ST

Year	Uses	Source
2012	GAVEL GRILL THE	Cole Information Services
2007	PAPOULIS RESTAURANT	Cole Information Services
2005	Papoulis i R	Hill-Donnelly Information Services
2000	Hillside Rstrnt	Cole Information Services

LA FARGE PL

3 LA FARGE PL

Year	Uses	Source
1995	SCHIAVONE Michael F	NYNEX

N CENTRAL AVENUE

34 N CENTRAL AVENUE

Year	Uses	Source
1970	ACE SUPERVISION CORP	New York Telephone

RICHMND TER

32 RICHMND TER

Year	Uses	Source
1979	WILLIAMS PRESS THE	New York Telephone

34 RICHMND TER

Year	Uses	Source
1979	NELSON JOS E ENGNR	New York Telephone

36 RICHMND TER

Year	Uses	Source
1990	MIZRAHI WM W LWYR	NYNEX Information Resource Company
1984	MIZRAHL WM W LWYR	New York Telephone
1979	TERRACE OFFICES INC	New York Telephone
	TURVEY JOHN J ATTY	New York Telephone
	USLAN MAURICE G ARCHT	New York Telephone
	NEW YORK-STATE OF VETERANS AFFAIRS DIV OF VETERANS COUNSELING	New York Telephone
	MIZREHL WM W IWYR	New York Telephone
	MCELROY & LUCEY LWYRS	New York Telephone
	LUCEY HELEN K LWYR	New York Telephone
	CLAFFEY VINCENT J LWYR	New York Telephone
	DIAMOND MICHL S ARCHT	New York Telephone

RICHMOND

10 RICHMOND

Year	Uses	Source
1995	Borough Presidents Office	NYNEX

RICHMOND AVE

1 RICHMOND AVE

Year	Uses	Source
2000	Quentin Medcl Labs	Cole Information Services
	Livornese Grg MD	Cole Information Services
	Laudicino R J MD	Cole Information Services
	La Penna Robert	Cole Information Services
	Ruggiero Ralph MD	Cole Information Services
	Vartolo Marie MD m	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Tursi William MD	Cole Information Services
	KOCH BLVE INTS PARK RD INTS	Cole Information Services
	Gallagher K J Crnp	Cole Information Services
	st Securities Inc	Cole Information Services

10 RICHMOND AVE

Year	Uses	Source
1995	United Pilots Assn	NYNEX

12 RICHMOND AVE

Year	Uses	Source
2000	Charles Lennox	Cole Information Services
	Cammen Rodriguez	Cole Information Services
	Peter Spinelli	Cole Information Services
1995	N Y Urban League Tap Center	NYNEX

15 RICHMOND AVE

Year	Uses	Source
1995	Greco Win Dor Corp	NYNEX

16 RICHMOND AVE

Year	Uses	Source
1995	M G M	NYNEX
	Mgm	NYNEX
	MGM Guarnera Bros	NYNEX

20 RICHMOND AVE

Year	Uses	Source
2005	h Haddock H	Hill-Donnelly Information Services
	Gailiano Paul v	Hill-Donnelly Information Services
	A Freshley Kenneth	Hill-Donnelly Information Services
	French Patrick vt	Hill-Donnelly Information Services
	A h Donohue Gerald I A	Hill-Donnelly Information Services
	h Orbon Donna	Hill-Donnelly Information Services
	h Mills L	Hill-Donnelly Information Services
	h Uddin Mohammed	Hill-Donnelly Information Services
	Schneider H 47 O	Hill-Donnelly Information Services
	Sak Edward R	Hill-Donnelly Information Services
	Pattelli H Av	Hill-Donnelly Information Services
	Joiner L	Hill-Donnelly Information Services

FINDINGS

21 RICHMOND AVE

Year	Uses	Source
1995	Century	NYNEX

26 RICHMOND AVE

Year	Uses	Source
1995	N JM Associates Inc	NYNEX
	No Name Boutique	NYNEX

26-55 RICHMOND AVE

Year	Uses	Source
1984	HIT OR MISS SI	New York Telephone

31 RICHMOND AVE

Year	Uses	Source
1995	DOVE L T	NYNEX

33 RICHMOND AVE

Year	Uses	Source
1995	Wolf Gordon Inc	NYNEX

34 RICHMOND AVE

Year	Uses	Source
1995	CRUZ Victoria	NYNEX

35 RICHMOND AVE

Year	Uses	Source
1995	Sholorm & Zuckerbrot Realty Corp	NYNEX

37 RICHMOND AVE

Year	Uses	Source
2005	Fertg Charles v	Hill-Donnelly Information Services
1995	Fertig Charles	NYNEX

7 RICHMOND AVE

Year	Uses	Source
1995	Sevek Badges	NYNEX

9 RICHMOND AVE

Year	Uses	Source
1995	C E C Elevator Cab Corp	NYNEX

RICHMOND RD

17 RICHMOND RD

Year	Uses	Source
1995	Yi Soo Jung	NYNEX

30 RICHMOND RD

Year	Uses	Source
2005	Il HIatauro C A	Hill-Donnelly Information Services
	Tract 36085:138 even s	Hill-Donnelly Information Services
	Tract 36085 179 odd s	Hill-Donnelly Information Services

RICHMOND STREET TER

25 RICHMOND STREET TER

Year	Uses	Source
1965	SURAT FRANK	New York Telephone Company

30 RICHMOND STREET TER

Year	Uses	Source
1970	NEW YORK-CITY OF CORRECTION DEPT OF DETENTION PENS	New York Telephone

32 RICHMOND STREET TER

Year	Uses	Source
1970	LITRELL ANTHONY R PRNTR	New York Telephone

36 RICHMOND STREET TER

Year	Uses	Source
1970	VIOLA ANTHONY J B	New York Telephone
	ROSTAND RICHARD J B	New York Telephone
	RIVERCREST ARMS CO	New York Telephone
	RICHMOND RESEARCH LAB	New York Telephone
	RICHMOND CREDIT BUR	New York Telephone
	O HALLORAN WILLIAM T LWYR	New York Telephone
	GINZBURG HERBERT LWYR	New York Telephone
	GINZBURG GAINES & GAINES LWYRS	New York Telephone
	ARCARI ANTHONY LWYR	New York Telephone

RICHMOND TER

1 RICHMOND TER

Year	Uses	Source
2012	WATEREDGE CAFE LLC	Cole Information Services
	FRESH JUICE & ICECREAM	Cole Information Services
	E J ELECTRICAL INSTALLATION	Cole Information Services
	EATABAGEL FERRY	Cole Information Services
	AU BON PAIN	Cole Information Services
	THE CONTI GROUP	Cole Information Services
	MC MARATHON TERMINAL CORP	Cole Information Services
	NASDI LLC STREET GEORGE FERRY TERRAC	Cole Information Services
2007	SKANSKA USA BUILDING INC	Cole Information Services
	EAT A BAGEL FERRY	Cole Information Services
2005	Me Donalds 2 R	Hill-Donnelly Information Services
	Eat A Bagel Ferry 21 F	Hill-Donnelly Information Services
2000	Afshin Enterprises	Cole Information Services
	St George Ferry Terminal	Cole Information Services
	Davids Cookies	Cole Information Services
	Mc Mrthn Trmnl Crp	Cole Information Services
	Port Imprl Ferry	Cole Information Services
	Rose Bngl Nwsstnd	Cole Information Services
1995	Davids Cookies	NYNEX
	Mc Marathon Terminal Corp	NYNEX
1990	MC MARATHON TERMINAL CORP	NYNEX Information Resource Company

10 RICHMOND TER

Year	Uses	Source
2012	CITY OF NEW YORK	Cole Information Services
2007	BOROUGH OF STATEN ISLAND	Cole Information Services
	NEW YORK CITY CLERK	Cole Information Services
	NEW YORK DEPT OF ENVIRONMENTAL	Cole Information Services
	HOUSING PRESERVATION & DEVELOPMENT	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Met Council Heap o	Hill-Donnelly Information Services
	Staten Island Boro President	Hill-Donnelly Information Services
	Staten Island City Clerk	Hill-Donnelly Information Services

Year	Uses	Source
2005	Staten Island Code Enforcement	Hill-Donnelly Information Services
	Staten Island Highways Inspctn	Hill-Donnelly Information Services
	Staten Island Marriage Bureau	Hill-Donnelly Information Services
	Staten Island Sewer Office	Hill-Donnelly Information Services
	Staten Island Transportation	Hill-Donnelly Information Services
	Traffic Operations Bureau	Hill-Donnelly Information Services
	United Pilots Assn 10 o	Hill-Donnelly Information Services
	Veterans Affairs Div 1 G	Hill-Donnelly Information Services
2000	Rchmnd Mt & Mik Str	Cole Information Services
	Sharon Young	Cole Information Services
	Met Council Heap	Cole Information Services
	N Y Cty Mrrg Lcnss	Cole Information Services
	N Y City Environ	Cole Information Services
	N Y City Clrk Mrrg	Cole Information Services
	N Y City Boro Ofc	Cole Information Services
	N Y City Boro Ofc	Cole Information Services
	N Y City Boro Ofc	Cole Information Services
	Borough Hall	Cole Information Services
	N Y City Boro Ofc 98 713 816 2 M	Cole Information Services
1995	Met Council Heap	NYNEX

11 RICHMOND TER

Year	Uses	Source
2005	Snug Harbor Cultural Ctr Inc	Hill-Donnelly Information Services
	Srtong Steel Door Corp 20 Staten Island Botanical Garden	Hill-Donnelly Information Services
	Staten Island Childrens Museum	Hill-Donnelly Information Services
	G Staten Island Conservatory MSC	Hill-Donnelly Information Services
	h Verdi V v	Hill-Donnelly Information Services
	Verpoorten Frank & Rachel	Hill-Donnelly Information Services
	v V Walsh Theatrical Dance Ctr	Hill-Donnelly Information Services

18 RICHMOND TER

Year	Uses	Source
2012	RICHMOND COUNTY SURROGATE COURT	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
2007	UNIFIED COURT SYSTEM NY STT	Cole Information Services
	STATEN ISLAND COMM PRESERVATION CONS	Cole Information Services

FINDINGS

Year	Uses	Source
2007	COUNTY OF RICHMOND SUPREME COURT	Cole Information Services
2005	Multi Unit Address	Hill-Donnelly Information Services
	Richmond County Supreme Court	Hill-Donnelly Information Services
	Staten Island County Clerk	Hill-Donnelly Information Services
	Staten Island Surrogates Court	Hill-Donnelly Information Services
	Supreme Court Reporters	Hill-Donnelly Information Services
	US Passport Agency o	Hill-Donnelly Information Services
	Supreme Court Special Term	Hill-Donnelly Information Services
	Supreme Court Criminal Term	Hill-Donnelly Information Services
	Supreme Court Civil Term	Hill-Donnelly Information Services
2000	N Y City of Courts	Cole Information Services
	N Y City of Courts	Cole Information Services
	N Y City Finc Dept	Cole Information Services
	J F Contracting	Cole Information Services
	WALL ST INTS	Cole Information Services
	Century Antqs	Cole Information Services
	N Y City of Courts	Cole Information Services
	N Y City of Courts	Cole Information Services
	N Y City of Courts	Cole Information Services
	N Y City of Courts	Cole Information Services
	N Y City of Courts	Cole Information Services
1990	LEGAL AID SOCIETY CRIMINAL DEFENSE	NYNEX Information Resource Company
1979	NY CITY OF PROBATION DEPT	New York Telephone
1975	N Y CITY OF PROBATION DEPT	New York Telephone Company

2 RICHMOND TER

Year	Uses	Source
2000	Yolanda Santiago	Cole Information Services
	Alexa Sanchez	Cole Information Services
	A Luz C Rivera	Cole Information Services

25-80 RICHMOND TER

Year	Uses	Source
1975	SUPREME TANK CING & LINING CORP	New York Telephone Company
	INDUSTRIAL SVCES CO	New York Telephone Company

26 RICHMOND TER

Year	Uses	Source
1970	BERAS RESTRNT	New York Telephone
1965	BERAS RESTRNT	New York Telephone Company
1960	BARBARA S LUNCHNET	New York Telephone Company

28 RICHMOND TER

Year	Uses	Source
1970	OSBORNE BERA L RESTRNT	New York Telephone
1965	OSBORNE BERA L RESTRNT	New York Telephone Company

3 RICHMOND TER

Year	Uses	Source
2000	YORK AVE INTS	Cole Information Services
	JERSEY ST INTS	Cole Information Services
	C Washington	Cole Information Services
	Olivia Walker	Cole Information Services
	K Nellie I Walker	Cole Information Services

30 RICHMOND TER

Year	Uses	Source
1979	SECURITY TITLE & GUARANTY CO	New York Telephone
	NY CITY OF CORRECTION DEPT OF DETENTION PENS	New York Telephone
1975	N Y CITY OF CORPORATION DEPT OF DETENTION PENS	New York Telephone Company
	SECURITY TITLE & GUAR CO	New York Telephone Company
1970	SECURITY TITLE & GUAR CO	New York Telephone
1965	SECURITY TITLE & GUAR CO	New York Telephone Company

32 RICHMOND TER

Year	Uses	Source
2007	LAW OFFICES OF STEPHEN SNTC PC	Cole Information Services
2005	Stephen Santucci Law Offices	Hill-Donnelly Information Services
	Health Plus	Hill-Donnelly Information Services
1995	Short Joan MD	NYNEX
1990	SUBMARINE TOOL CO INC	NYNEX Information Resource Company
	LITRELL ANTHONY R PRNTR	NYNEX Information Resource Company
1984	LITRELL ANTHONY R PRNTR	New York Telephone
1979	LITRELL ANTHONY R PRNTR	New York Telephone
1975	WILLIAMS PRESS THE	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	LITRELL ANTHONY R PRNTR	New York Telephone Company
1970	WILLIAMS PRESS THE	New York Telephone
1965	WILLIAMS PRESS THE	New York Telephone Company
	LITRELL ANTHONY R PRNTR	New York Telephone Company
1960	WILLIAMS PRESS THE	New York Telephone Company
	LITRELL ANTHONY R PRNTR	New York Telephone Company

34 RICHMOND TER

Year	Uses	Source
1975	NELSON JOS E ENGNR	New York Telephone Company
1970	NELSON JOS E ENGNR	New York Telephone
1965	KENNEDY HDQTRS	New York Telephone Company
1960	ELADOR CONST CORP	New York Telephone Company
	WINSTON CLIFFORD	New York Telephone Company
	CLIFFORD WINSTON ENTERPRISES INC	New York Telephone Company
1928	ST GEORGE TIRE CO	New York Telephone

36 RICHMOND TER

Year	Uses	Source
2005	Island Condo Management	Hill-Donnelly Information Services
	Island Homes Realty Corp	Hill-Donnelly Information Services
	Jackson Hewitt Tax Svc	Hill-Donnelly Information Services
	Katz Seth I v	Hill-Donnelly Information Services
	Legal Services For New York	Hill-Donnelly Information Services
	LS Ny Staten Island I P 301 Mcgee Andrew B 1 P	Hill-Donnelly Information Services
	Meatballs Plus 1 R	Hill-Donnelly Information Services
	Nationwide Court Svc Inc	Hill-Donnelly Information Services
	Personal Touch Home Care Inc	Hill-Donnelly Information Services
	Raceway Is 4 202Top Music Co	Hill-Donnelly Information Services
	US Coachways	Hill-Donnelly Information Services
	VIepo Gallery 1 R	Hill-Donnelly Information Services
	Mult Unit Address	Hill-Donnelly Information Services
	Adrenaline Entertainment	Hill-Donnelly Information Services
	Artists & Producers Record CRP	Hill-Donnelly Information Services
	Best Home Properties	Hill-Donnelly Information Services
	Code Red 1 P	Hill-Donnelly Information Services
	Eric M Gansberg Law Firm	Hill-Donnelly Information Services
	Gansberg Eric M 1 P	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Gifted Twist & Vlepo Gallery	Hill-Donnelly Information Services
2000	Collins J L Atty	Cole Information Services
	Mc Geo Andrew Atty	Cole Information Services
	N Y Cty Isle Atty	Cole Information Services
	ODonovan J	Cole Information Services
	Staten Island Atty	Cole Information Services
1995	Collins Join L atty	NYNEX
	Hohenfels Abstract Svce	NYNEX
	Hohenfels Title Svce	NYNEX
	Mc Gee Andrew atty	NYNEX
	Mizrahi Wm W lwyr	NYNEX
	ODonovan Jerome X Councilman ofc	NYNEX
	Staten Island District Attorney atty	NYNEX
1990	COLLINS JOHN L ATTY	NYNEX Information Resource Company
	GENTILE ANNAMARIE G ATTY	NYNEX Information Resource Company
	GENTILE & SERAFINO ATTYS	NYNEX Information Resource Company
	HOHENFELS ABSTRACT SVCE	NYNEX Information Resource Company
	HOHENFELS TITLE SVCE	NYNEX Information Resource Company
	LAMATTINA JOSEPH ATTY	NYNEX Information Resource Company
	LAMATTINA & ME GEE ATTYS	NYNEX Information Resource Company
	MCGEE ANDREW ATTY	NYNEX Information Resource Company
	MILLER JOSEPH R LWYR	NYNEX Information Resource Company
	O DONOVAN JEROME X COUNCILMAN	NYNEX Information Resource Company
	OFFICE OF THE DIST ATTORNEY COUNTY OF RICHMOND	NYNEX Information Resource Company
	OLSTEN SERVICES	NYNEX Information Resource Company
	RALEAY DUN-WELL PERSONNEL SVCE	NYNEX Information Resource Company
	RALEAY MAINTENANCE INC	NYNEX Information Resource Company
	RUBENSTEIN MARTIN ATTY AT LAW	NYNEX Information Resource Company
	SECURITY TITLE & GUARANTY CO	NYNEX Information Resource Company
	SERAFINO BARBARA GOMES ATTY	NYNEX Information Resource Company
	STATEN ISLAND DIST ATTY	NYNEX Information Resource Company
	SUNSHINE JEFFREY S ATTY	NYNEX Information Resource Company
1984	ARCARI ANTHONY LWYR	New York Telephone
	BALAHADIA MODESTO L ATTY	New York Telephone
	BIREN RICHARD M ATTY	New York Telephone
	CENTER FOR SELF GROWTH	New York Telephone
	COLLINS JOHN L ATTY	New York Telephone
	HOHENFELS TITLE SVCE	New York Telephone

FINDINGS

Year	Uses	Source
1984	HOUSEHOLD DISCOUNT CORPORATION	New York Telephone
	HOUSEHOLD FINANCE CORPORATION NEW SPRINGVILLE	New York Telephone
	LAMATTINA JOSEPH ATTY	New York Telephone
	LAMATTINA & MCGEE ATTYS	New York Telephone
	M J & A TRAVEL CORP	New York Telephone
	MCGEE ANDREW ATTY	New York Telephone
	MILLER JOSEPH R LWYR	New York Telephone
	NEW YORK DAILY NEWS	New York Telephone
	O DONOVAN JEROME	New York Telephone
	OLSTEN TEMPORARY SERVICES	New York Telephone
	PRECISION COMPOSITION SVCE	New York Telephone
	SALTZ ARTHUR A ATTY	New York Telephone
	SECURITY TITLE & GUARANTY CO	New York Telephone
1979	HOMEWOOD ABSTRACT CO	New York Telephone
	HOUSEHOLD DISCOUNT CORPORATION	New York Telephone
	HOUSEHOLD FINANCE CORPORATION	New York Telephone
	MEBANE FRANK C JR IWYR	New York Telephone
	MILLER JOSEPH R LWYR	New York Telephone
	OFFICE TEMPORARIES DIV OF O T I SVCES INC	New York Telephone
	RICHMOND CNTY BAR ASSOC	New York Telephone
	RICHMOND CREDIT BUR	New York Telephone
	BELPORT INTERNATIONAL INC	New York Telephone
	BOUSANTI ANTHONY J LWYR	New York Telephone
	COLLINS JOHN L ATTY	New York Telephone
	DALY JOHN R ATTY PC	New York Telephone
	DAVID SILBERSTEIN ENTERPRISES	New York Telephone
	DEMARIA VINCENT F	New York Telephone
1975	USLAN MAURICE G ARCHT	New York Telephone Company
	DEBOISSIERE ROBERT ATTY	New York Telephone Company
	RICHMOND CREDIT BUR	New York Telephone Company
	RICHMOND CNTY BAR ASSOC	New York Telephone Company
	O HALLORAN WILLIAM T IWYR	New York Telephone Company
	NEWMAN HOWARD ATTY	New York Telephone Company
	NEWMAN HOWARD ATTY	New York Telephone Company
	MILLER JOSEPH R LWYR	New York Telephone Company
	MEBANE FRANK C JR LWYR	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	HOUSEHOLD FINANCE CORPORATION SI OFFICES	New York Telephone Company
	HOUSEHOLD DISCOUNT CORPORATION	New York Telephone Company
	ARCARI ANTHONY LWYR	New York Telephone Company
	BELPORT INTERNATIONAL INC	New York Telephone Company
	COLLINS JOHN L ATTY	New York Telephone Company
	DALY JOHN R ATTY PC	New York Telephone Company
	RIVERCREST ARMS CO	New York Telephone Company
	DEMARIA VINCENT F	New York Telephone Company
	GINZBURG GAINES GAINES DE BOISSLERE & NEWMAN LWYRS	New York Telephone Company
	GINZBURG HERBERT LWYR	New York Telephone Company
	HOMEWOOD ABSTRACT CO	New York Telephone Company
	MIZRAHI WM W LWYR	New York Telephone Company
	NEW YORK STATE OF VETERANS AFFAIRS DIV OF VETERANS COUNSELING	New York Telephone Company
	SIEGHARDT FERDINAND ANTHONY LWYR	New York Telephone Company
	TERRACE OFFICES INC	New York Telephone Company
	TURVEY JOHN J ATTY	New York Telephone Company
	CHRISTOPHER LLOYD R ATTY	New York Telephone Company
	CLAFFEY VINCENT J LWYR	New York Telephone Company
	DIAMOND HAROLD E ARCHT	New York Telephone Company
	DIAMOND MICHL S ARCHT	New York Telephone Company
	GAINES ALAN R IWYR	New York Telephone Company
	GAINES SPENCER H IWYR	New York Telephone Company
	INNOCENTI FERDINAND E ARCHT	New York Telephone Company
	LUCEY HELEN K LWYR	New York Telephone Company
	MCELROY & LUCEY IWYRS	New York Telephone Company
1970	ARUNY GEO H ATTY	New York Telephone
	BOY SCOUTS OF AMERICA GREATER NY COUNCIS B S A COUNCL OFFICE	New York Telephone
	CHRISTOPHER LLOYD R ATTY	New York Telephone
	CLAFFEY VINCENT J LWYR	New York Telephone
	DALY JOHN R LWYR	New York Telephone
	DIAMOND HAROLD E ARCHT	New York Telephone
	DIAMOND MICHL S ARCHT	New York Telephone
	FRAGANO VINCENT F LWYR	New York Telephone
	GAINES ALAN R LWYR	New York Telephone

FINDINGS

Year	Uses	Source
1970	GAINES SPENCER H LWYR	New York Telephone
	GOLD BERNARD ATTY	New York Telephone
	HART GEO M ATTY	New York Telephone
	HART & GOLD ATTYS	New York Telephone
	HOUSEHOLD DISCOUNT CORP	New York Telephone
	HOUSEHOLD FINANCE CORP	New York Telephone
	INNOCENTI FERDINAND E ARCHT	New York Telephone
	LUCEY HELEN K LWYR	New York Telephone
	MANISCALCO LEONARD J RL EST BRKR	New York Telephone
	MCELROY & LUCEY LWYRS	New York Telephone
	MIZRAHI WM W LWYR	New York Telephone
	NEW YORK STATE OF VETERAN S AFFAIRS DIV OF	New York Telephone
	POUCH CHAS J CITY MARSHL	New York Telephone
	SCAIANO ANTHONY ATTY	New York Telephone
	SIEGHARDT FERDINAND ANTHONY LWYR	New York Telephone
	S I COUNCIL BOY SCOUTS OF AMERICA	New York Telephone
	TERRACE OFFICES INC	New York Telephone
	USLAN MAURICE G ARCHT	New York Telephone
1965	A & F AUTOMATED ACCTG SVCES INC	New York Telephone Company
	AMER RED CROSS	New York Telephone Company
	AMER RED CROSS	New York Telephone Company
	ARUNY GEO H ATTY	New York Telephone Company
	BORELLO REALTY CO	New York Telephone Company
	BOY SCOUTS OF AMERICA GREATER NY COUNCLS B S A COUNCL OFFICE	New York Telephone Company
	CASEY AUGUSTINE B ATTY	New York Telephone Company
	CHRISTOPHER LLOYD R ATTY	New York Telephone Company
	CLAFFEY VINCENT J LWYR	New York Telephone Company
	DALY JOHN R LWYR	New York Telephone Company
	DIAMOND HAROLD E ARCHT	New York Telephone Company
	DIAMOND MICHL S ARCHT	New York Telephone Company
	DILLON WM J ATTY	New York Telephone Company
	DRURY VINCENT K IWYR	New York Telephone Company
	GAINES ALAN R LWYR	New York Telephone Company
	GAINES SPENCER H LWYR	New York Telephone Company
	GRAE JOEL B IWYR	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	HART GEO M ATTY	New York Telephone Company
	HOUSEHOLD FINANCE CORP SI OFFICES	New York Telephone Company
	INNOCENTI FERDINAND E ARCHT	New York Telephone Company
	KNORR DOCKER & FINGAL	New York Telephone Company
	LAHR DILLON & LAHR ATTYS	New York Telephone Company
	LAHR FRED C LWYR	New York Telephone Company
	LUCEY HELEN K LWYR	New York Telephone Company
	MACK WM PUB ACCTNT	New York Telephone Company
	MANISCALCO LEONARD J RL EST BRKR	New York Telephone Company
	MCELROY & LUCEY LWYRS	New York Telephone Company
	MIZRAHI WM W LWYR	New York Telephone Company
	NASCHER ANSELM M LWYR	New York Telephone Company
	NEW YORK STATE OF VETERANS AFFAIRS DIV OF VETERANS COUNSELING	New York Telephone Company
	PARK TER ESTATES INC OFC	New York Telephone Company
	POUCH CHAS J CITY MARSHL	New York Telephone Company
	SCAIANO ANTHONY ATTY	New York Telephone Company
	SCOLLAR JOS LWYR	New York Telephone Company
	SCOLLAR SAML L LWYR	New York Telephone Company
	SI COUNCIL BOY SCOUTS OF AMERICA	New York Telephone Company
	TURVEY JOHN J ATTY	New York Telephone Company
	USLAN MAURICE G ARCHT	New York Telephone Company
1960	GRAE JOEL B LWYR	New York Telephone Company
	GRAE MICHL H LWYR	New York Telephone Company
	GRAJEWSKI SIGMUND A ATTY	New York Telephone Company
	HICKEY SABINA R RL EST	New York Telephone Company
	KANE FARRELL M LWYR	New York Telephone Company
	KANE GRAE & AGAR IWYRS	New York Telephone Company
	KOCH THEO ARCHT	New York Telephone Company
	LAHR DILION & LAHR ATTYS	New York Telephone Company
	LAHR F W IWYR	New York Telephone Company
	LAHR FRED C LWYR	New York Telephone Company
	LAHR & LAHR ATTYS	New York Telephone Company
	LINDSAY ROBT A ATTY	New York Telephone Company
	LUCEY HELEN K LWYR	New York Telephone Company
	MACK WM PUB ACCTNT	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	MANISCALCO LEONARD J RL EST BRKR	New York Telephone Company
	MCDERMOTT JAS J LWYR	New York Telephone Company
	MCELROY & LUCEY LWYRS	New York Telephone Company
	MIZRAHI WM W LWYR	New York Telephone Company
	NASCHER ANSELM M LWYR	New York Telephone Company
	NEW YORK STATE OF STATE VETERANS AFFAIR S DIV OF	New York Telephone Company
	NY TUBERCULOSIS & HEALTH ASSN INC	New York Telephone Company
	NEWMAN HOWARD LWYR	New York Telephone Company
	PARK TER ESTATES INC OFC	New York Telephone Company
	POUCH CHAS J CITY MARSHL	New York Telephone Company
	RICHMOND CREDIT BUR	New York Telephone Company
	RICHMOND REALTY CO	New York Telephone Company
	ROSENFELD SAUL LWYR	New York Telephone Company
	SCAIANO ANTHONY ATTY	New York Telephone Company
	SCASERRA LUDWIG L ATTY	New York Telephone Company
	SCOLLAR JOS LWYR	New York Telephone Company
	SCOLLAR SAML L LWYR	New York Telephone Company
	SI COUNCIL BOY SCOUTS OF AMERICA	New York Telephone Company
	TUBERCULOSIS & HEALTH ASSN OF NY INC	New York Telephone Company
	TURVEY JOHN J ATTY	New York Telephone Company
	USLAN MAURICE G ARCHT	New York Telephone Company
	WARD THOS F ATTY	New York Telephone Company
	BOY SCOUTS OF AMERICA	New York Telephone Company
	CASEY WM C ATTY	New York Telephone Company
	CHRISTOPHER LLOYD R ATTY	New York Telephone Company
	DALY JOHN R LWYR	New York Telephone Company
	DE BIASE RALPH R INSBRKR	New York Telephone Company
	DIAMOND HAROLD E ARCHT	New York Telephone Company
	DIAMOND MICHL S ARCHT	New York Telephone Company
	DILLON WM J ATTY	New York Telephone Company
	DRURY VINCENT K LWYR	New York Telephone Company
	GAINES SPENCER H ATTY	New York Telephone Company
	GAINES SPENCER H LWYR	New York Telephone Company
	AGAR SOLOMON R LWYR	New York Telephone Company
	AGAR SOLOMON R LWYR	New York Telephone Company

Year	Uses	Source
1960	AMER RED CROSS HDQTRS	New York Telephone Company
	AMER RED CROSS HDQTRS	New York Telephone Company
	ARUNY GEO H ATTY	New York Telephone Company
	BORELLO REALTY CO	New York Telephone Company
1934	KLAUBER HENRY Goldie S Lawyer	R. L. Polk Co.
	NORTH ALLISON & ETTLINGER Geo W Allison and Carl F Ettlinger Civil Engineers Land Surveyors Commercial Blue Printing	R. L. Polk Co.
	ST GEORGE HOTEL John Kirschner Mgr	R. L. Polk Co.
	BARON LOUIS Eda Attorney at Law	R. L. Polk Co.
	Cohen Saml Sylvia elk h	R. L. Polk Co.
	Kirchner John mgr St George Hotel	R. L. Polk Co.
1928	LURL HOOKES AGENCY INS	New York Telephone

4-76 RICHMOND TER

Year	Uses	Source
1975	SCHIAVONE L	New York Telephone Company

8 RICHMOND TER

Year	Uses	Source
2000	G Shelley Scott	Cole Information Services
	Leroy Thompson	Cole Information Services
	8D Mia Udoh	Cole Information Services

RICHMTRD TER

36 RICHMTRD TER

Year	Uses	Source
1960	HOUSEHOLD FINANCE CORP SI OFFICES	New York Telephone Company

S STUYVESANT PL

115 S STUYVESANT PL

Year	Uses	Source
1960	BENZ C WILBERTA	New York Telephone Company

FINDINGS

SCHUYLER ST

11 SCHUYLER ST

Year	Uses	Source
2012	MARKS BROTHERS PLUMBING & HEATING	Cole Information Services
	BESO	Cole Information Services
2005	Side Street Saloon	Hill-Donnelly Information Services

32 SCHUYLER ST

Year	Uses	Source
2012	RAPID FIRE BAIL BONDS	Cole Information Services

STAYVESANT PL

115 STAYVESANT PL

Year	Uses	Source
1990	NISSANKA ASOKA	NYNEX Information Resource Company

STUVESANT PL

115 STUVESANT PL

Year	Uses	Source
1928	RICHON CHAS F R	New York Telephone

116 STUVESANT PL

Year	Uses	Source
1928	REID FORESTUS JR R	New York Telephone

STUVYSNT PL

115 STUVYSNT PL

Year	Uses	Source
1984	MC MILLAN M	New York Telephone

STUYVANT PL

152 STUYVANT PL

Year	Uses	Source
1979	ARNOLD RALPH	New York Telephone

STUYVENT PL

115 STUYVENT PL

Year	Uses	Source
1979	DUDENHOFER G	New York Telephone

STUYVESANNT PL

115 STUYVESANNT PL

Year	Uses	Source
1990	REDDY PYREDDY	NYNEX Information Resource Company

STUYVESANT

115 STUYVESANT

Year	Uses	Source
1975	FOLEY J	New York Telephone Company
	THOMPSON M E	New York Telephone Company

STUYVESANT AVE

115 STUYVESANT AVE

Year	Uses	Source
1934	Blundon John clk h	R. L. Polk Co.

STUYVESANT PIKE

115 STUYVESANT PIKE

Year	Uses	Source
1965	WESTROPE O T	New York Telephone Company

STUYVESANT PL

114 STUYVESANT PL

Year	Uses	Source
1965	DRABEK JOANN	New York Telephone Company
1934	Murphy Julia clk r	R. L. Polk Co.
	Munson Eliz tchlr Dept of Educ r	R. L. Polk Co.

115 STUYVESANT PL

Year	Uses	Source
2005	Mukim Mohamed Abdul v	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Muthullngam Punithallngam	Hill-Donnelly Information Services
	4 P Mutzel Tmothy v	Hill-Donnelly Information Services
	Navaratnam Jeevakumar vv	Hill-Donnelly Information Services
	L Ndiaye Gouthia	Hill-Donnelly Information Services
	Oconnor James Ao	Hill-Donnelly Information Services
	Osakwe Ikenna	Hill-Donnelly Information Services
	E Rahman Mohammad Mojibor	Hill-Donnelly Information Services
	Rahman Mohammed	Hill-Donnelly Information Services
	Reboe Thelma A	Hill-Donnelly Information Services
	3D Riaz Muhammad 4 V	Hill-Donnelly Information Services
	Rosen Philip C AO	Hill-Donnelly Information Services
	Rosen Philip C DOS r	Hill-Donnelly Information Services
	E Saunders R A	Hill-Donnelly Information Services
	h Scherbakova Ludmila 00oo	Hill-Donnelly Information Services
	Skorupa Janlna	Hill-Donnelly Information Services
	Sobolewskl Jan	Hill-Donnelly Information Services
	Swadosh J	Hill-Donnelly Information Services
	F Uddln Mahtab	Hill-Donnelly Information Services
	S h Uddin Syed v	Hill-Donnelly Information Services
	Uduwarage Francisco v 4h Valderrama Armando v	Hill-Donnelly Information Services
	R Vidoante Denlse	Hill-Donnelly Information Services
	Walker Kelly	Hill-Donnelly Information Services
	F Weglarz Aleksander	Hill-Donnelly Information Services
	s Multi Unit Address	Hill-Donnelly Information Services
	E Abhyankar Makarand 4 V	Hill-Donnelly Information Services
	E Akhter Sayed	Hill-Donnelly Information Services
	Andrade Jose l	Hill-Donnelly Information Services
	G Athaudage Palitha v	Hill-Donnelly Information Services
	Badguggamam Mohammed	Hill-Donnelly Information Services
	Beckman Joshua	Hill-Donnelly Information Services
	Begum Hosneara	Hill-Donnelly Information Services
	Bell NC A	Hill-Donnelly Information Services
	H Bellamy Anthony	Hill-Donnelly Information Services
	Belle Geoffrey	Hill-Donnelly Information Services
	Berkson David YV	Hill-Donnelly Information Services
	Boguckl Jerzy	Hill-Donnelly Information Services
	Brown David A	Hill-Donnelly Information Services
	C Curry Everet D A	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Czerski Jan v	Hill-Donnelly Information Services
	C Dhanani S v	Hill-Donnelly Information Services
	R Fabre Janice A	Hill-Donnelly Information Services
	Gay James A	Hill-Donnelly Information Services
	Hanke Volker	Hill-Donnelly Information Services
	Hossen Mohammed v	Hill-Donnelly Information Services
	M Humphrey D 7 so	Hill-Donnelly Information Services
	M Huq Rashedul	Hill-Donnelly Information Services
	Islam Shahidul v	Hill-Donnelly Information Services
	B Janover G V	Hill-Donnelly Information Services
	Kader Mohammad 0 5D Kaelin Christine	Hill-Donnelly Information Services
	Karagoda Rathnapala v	Hill-Donnelly Information Services
	Khaled MD 0 h Khalll Moharram	Hill-Donnelly Information Services
	Khan Mdsharif Uddin v 1D Khan Mohamed v	Hill-Donnelly Information Services
	Khanomrn Khodeza 0 6 H Khatun Mahfuja	Hill-Donnelly Information Services
	Koslorowskl Stefan v	Hill-Donnelly Information Services
	h Kruszewski M v O oi	Hill-Donnelly Information Services
	H Kuhlman Hyla R	Hill-Donnelly Information Services
	h Kurtin Bert Av	Hill-Donnelly Information Services
	Laveme Laverne	Hill-Donnelly Information Services
	K Loukzadeh Mohammed &Abbas	Hill-Donnelly Information Services
	Mahallnga Sunderalingam	Hill-Donnelly Information Services
	SC Mahmud Minnat	Hill-Donnelly Information Services
	h Makslak A v as	Hill-Donnelly Information Services
	L H Maloney Ivette	Hill-Donnelly Information Services
	Montiel Leonel v	Hill-Donnelly Information Services
	Morris Nikesha v	Hill-Donnelly Information Services
	h Mortka Maria v	Hill-Donnelly Information Services
2000	Hakim Abdul	Cole Information Services
	Makarand M Abhyankar	Cole Information Services
	L Ursyla Ahmed	Cole Information Services
	Rober Alarcon	Cole Information Services
	Sk S Ali	Cole Information Services
	F KF Allou	Cole Information Services
	Chris Arnes	Cole Information Services
	Mohammad Arif	Cole Information Services
	N C Ball	Cole Information Services

FINDINGS

Year	Uses	Source
2000	H Anthony Bellamy	Cole Information Services
	Ban Bloodwd	Cole Information Services
	David Brown	Cole Information Services
	James B Brown	Cole Information Services
	L John P Carvalho 92 718 442 B	Cole Information Services
	E Christlock	Cole Information Services
	Maria Civatello	Cole Information Services
	M Civitello	Cole Information Services
	Everet D Curry	Cole Information Services
	Stacy Dillon	Cole Information Services
	k Evertsz	Cole Information Services
	D Gajendran	Cole Information Services
	Nicholas Giacona	Cole Information Services
	B Ahmed Hassaa	Cole Information Services
	Mohammed Hossain	Cole Information Services
	M D Humphrey	Cole Information Services
	Shahidul Islam	Cole Information Services
	B Moanmmad Kader	Cole Information Services
	Abul Kashemr	Cole Information Services
	Patricia Kelly	Cole Information Services
	F Deborah Kent	Cole Information Services
	Khabir Khairul	Cole Information Services
	Md Khaled	Cole Information Services
	Moharram Khalil	Cole Information Services
	Mahfuja Khatun	Cole Information Services
	Bert Kurtin	Cole Information Services
	Maiezyslaw Lichon	Cole Information Services
	S David Long	Cole Information Services
	Mohammed Louzadeh	Cole Information Services
	N Kenneth Lowenstein	Cole Information Services
	S Mahalingam	Cole Information Services
	Minnat Mahmud	Cole Information Services
	A Maksiak	Cole Information Services
	L Ivetta Maloney	Cole Information Services
	James R Mc Carthy	Cole Information Services
	Besheer Mohamed	Cole Information Services
	Younus Mohamed	Cole Information Services
	Maria Mortka	Cole Information Services

FINDINGS

Year	Uses	Source
2000	Richard Muniz	Cole Information Services
	James OConnor	Cole Information Services
	B Sarita Pavia	Cole Information Services
	K Ponniah	Cole Information Services
	Mohammed Raheman 95 S	Cole Information Services
	1D Mohammed Rahman	Cole Information Services
	Rajendran Ramayan	Cole Information Services
	Mohammad Rashid	Cole Information Services
	Charles J Rutland	Cole Information Services
	Ryuichi Sakai	Cole Information Services
	Mohammad A Sarker	Cole Information Services
	R Sathiyamoorthy	Cole Information Services
	L Scherbakova	Cole Information Services
	S Sellappa	Cole Information Services
	Munjur A Shakh	Cole Information Services
	Mo Y Shen	Cole Information Services
	5D Akira Shimazaki	Cole Information Services
	B Sibaprangasm	Cole Information Services
	C William Smith	Cole Information Services
	B Jan Sobolewski	Cole Information Services
	K N Turner	Cole Information Services
	Mahtab Uddin	Cole Information Services
	Syed Uddin	Cole Information Services
	Armando Valderrama	Cole Information Services
	Aleksander Weglarz	Cole Information Services
	Aya Yoshikawa	Cole Information Services
	Rosen Philip C Dowd	Cole Information Services
1995	WATSON David	NYNEX
	WILLIAMS C	NYNEX
	XU Dayl	NYNEX
	ZURAWSKI J	NYNEX
	Rosen Philip C DMD	NYNEX
	ABHYANKAR Makarand	NYNEX
	ABOUELALA Saad	NYNEX
	ALLOU K F	NYNEX
	ALYF Mercy	NYNEX
	BARNES Galen	NYNEX
	BELLAMY Anthony	NYNEX

FINDINGS

Year	Uses	Source
1995	BOREJCZUK Zofia	NYNEX
	BRACCO Jill	NYNEX
	BRAY D	NYNEX
	BROWN James B	NYNEX
	CHOWDHURY Salim	NYNEX
	COBO Galo	NYNEX
	DOXLEY L	NYNEX
	DRAZKOWSKA Grazyna	NYNEX
	EVERTSZ R	NYNEX
	GRANOFSKY Elliot	NYNEX
	HARASANOWECZ Haalena	NYNEX
	HORIUCHI Seiko	NYNEX
	HOSSAIN Mohamed	NYNEX
	HOWARD A	NYNEX
	HUMPHREY D	NYNEX
	JACKSON Mar	NYNEX
	KELLY P A	NYNEX
	KHAIRUL Khabir	NYNEX
	KULANTHAVELU Uthayasanhar	NYNEX
	KURTIN Bert	NYNEX
	KURTIN Sol	NYNEX
	LAPOINTE Stephen	NYNEX
	LOWENSTEIN Kenneth	NYNEX
	MAHMOOD M H	NYNEX
	MAHMUD Minnat	NYNEX
	MANSOUR Mohsen Mohamed	NYNEX
	NAKER Pramod	NYNEX
	OHARA Richard	NYNEX
	OKUHIRA Makiko	NYNEX
	PONNIAH Ketheswaran	NYNEX
	RAHMAN Mohammed	NYNEX
	RAMIREZ Salomon Ramos	NYNEX
	RASHID M	NYNEX
	RASIAH Devan	NYNEX
	RICHARDS Daniels	NYNEX
	ROSZKO S	NYNEX
	SARKAR A	NYNEX
	SATTAR M	NYNEX

FINDINGS

Year	Uses	Source
1995	SHEN Mary	NYNEX
	SHIMAZAKI Akhra	NYNEX
	SITAFALWALA Sajid	NYNEX
	THANDRA Venkat R	NYNEX
	THARMALINGAM Amirthalingam	NYNEX
	UDDIN Syed	NYNEX
1990	ALVERIO J	NYNEX Information Resource Company
	ATOCHA HECTOR R	NYNEX Information Resource Company
	AUDAH AKRAM	NYNEX Information Resource Company
	AUPONT FREDRIC	NYNEX Information Resource Company
	BOGUSZEWSKI SLAWOMIR	NYNEX Information Resource Company
	BROWN JAMES B	NYNEX Information Resource Company
	CATON WILLIAM	NYNEX Information Resource Company
	CHECCHI THOMAS	NYNEX Information Resource Company
	CHO SUNGKWAN	NYNEX Information Resource Company
	CHRISTIAN A	NYNEX Information Resource Company
	DALE ARDEN	NYNEX Information Resource Company
	DELANEY ANDREW	NYNEX Information Resource Company
	EMMANUELPILLAI LESLEY	NYNEX Information Resource Company
	ENGLISH CURTIS	NYNEX Information Resource Company
	FAIRLIE J	NYNEX Information Resource Company
	GALAS MALGORZATA	NYNEX Information Resource Company
	GAWRONSKI WLODZ	NYNEX Information Resource Company
	GRONOWSKI LESZEK	NYNEX Information Resource Company
	HRYNIEWICKI BEATRICE	NYNEX Information Resource Company
	JOHANSEN DOLAN S	NYNEX Information Resource Company
	KAYE STEPHEN	NYNEX Information Resource Company
	KELLY P A	NYNEX Information Resource Company
	KHILTI MOIN AHMED	NYNEX Information Resource Company
	KLOCZEWSKA M	NYNEX Information Resource Company
	KOSHY JACOB K	NYNEX Information Resource Company
	KUMARIYA KUMARESHAN	NYNEX Information Resource Company
	KUNARASA APPIAH	NYNEX Information Resource Company
	KURESHY I	NYNEX Information Resource Company
	KURTIN BERT	NYNEX Information Resource Company
	LAVEN KRISHNAPILLAI	NYNEX Information Resource Company
	MAKSIAK A	NYNEX Information Resource Company
	MALHOTRA MAHESH	NYNEX Information Resource Company

FINDINGS

Year	Uses	Source
1990	MARCINIAK WLADYSLAW	NYNEX Information Resource Company
	MATHAI J	NYNEX Information Resource Company
	MENON S	NYNEX Information Resource Company
	MURASZKOWSKA NINA	NYNEX Information Resource Company
	NAKANO TOSHIKO	NYNEX Information Resource Company
	NAKER PRAMOD	NYNEX Information Resource Company
	O DONNELL A	NYNEX Information Resource Company
	O SULLIVAN S	NYNEX Information Resource Company
	OUMOUS MOHAMED	NYNEX Information Resource Company
	RICHARDS DANIELS	NYNEX Information Resource Company
	RICHARDSON TOM	NYNEX Information Resource Company
	ROSA M	NYNEX Information Resource Company
	ROSEN PHILIP C DMD	NYNEX Information Resource Company
	ROSZKO S	NYNEX Information Resource Company
	SILVA NAVEEN	NYNEX Information Resource Company
	STARK WALTER WILLIAM	NYNEX Information Resource Company
	SZEPIETOWSKI LECH	NYNEX Information Resource Company
	SZEPIETOWSKI LECH	NYNEX Information Resource Company
	THANAPALASINGAM JAYANTH	NYNEX Information Resource Company
	UMAKANTHAN KANADARATNAM	NYNEX Information Resource Company
	VAN LOAN VIRGINIA	NYNEX Information Resource Company
	VARKEY SABASTIAN	NYNEX Information Resource Company
	YOKOYAMA TAKAYUKI	NYNEX Information Resource Company
	ZAPOLSKI MARGARET	NYNEX Information Resource Company
1984	PEREZ FRANK	New York Telephone
	PUYAPALA PAKIAJAN	New York Telephone
	ROSEN PHILIP C DMD	New York Telephone
	SHINBERG BARRY	New York Telephone
	BLACKWELL RICHARD D	New York Telephone
	BOWIE JOSEPH L	New York Telephone
	BUTLER SHARON	New York Telephone
	CRUZ JOHN D	New York Telephone
	DERENZO P	New York Telephone
	HESLIN PETER	New York Telephone
	IMMERMAN MICHAEL	New York Telephone
	KIRSCH J H	New York Telephone
	LITT RANDY	New York Telephone
	MEDRANO M	New York Telephone

FINDINGS

Year	Uses	Source
1984	O DONNELL A	New York Telephone
1975	MOREL ODETTE	New York Telephone Company
	MOREMAN MARY H	New York Telephone Company
	MOUSSEAU EMIL	New York Telephone Company
	NASH S T	New York Telephone Company
	OLIVER ALBERT S	New York Telephone Company
	PAONE BOB	New York Telephone Company
	PENDELTON LA WANDA	New York Telephone Company
	PETRUZEL MICHL P	New York Telephone Company
	RALLO BRUCE	New York Telephone Company
	RICHMAN JOSEPH	New York Telephone Company
	SAMUELS J E	New York Telephone Company
	SHOTWELL L E	New York Telephone Company
	SIMS ANN CLAIRE MRS	New York Telephone Company
	THANJAN FRANCIS	New York Telephone Company
	TSENG HENRY P	New York Telephone Company
	TUNG ANTHONY	New York Telephone Company
	VARGHESE ALICE	New York Telephone Company
	VARUGHESE C V	New York Telephone Company
	WALSH R J DDS OFC	New York Telephone Company
	WETHERILL ROBT	New York Telephone Company
	WIGGINS HARRY G	New York Telephone Company
	WILLIAMS T	New York Telephone Company
	ALLOU K F	New York Telephone Company
	BAHM M	New York Telephone Company
	BENNETT STEWART E	New York Telephone Company
	BENZ C WILBERTA	New York Telephone Company
	BRANEN DANL R	New York Telephone Company
	BUOTE ROSE MRS	New York Telephone Company
	CAVANAUGH M C	New York Telephone Company
	CORTELYOU DAVID H JR	New York Telephone Company
	CRONOGUE EDW	New York Telephone Company
	CURLEY ARTHUR JR	New York Telephone Company
	DOWNEY CHARLOTTE MRS	New York Telephone Company
	EVANS A	New York Telephone Company
	FAULKENBERRY JAMES H	New York Telephone Company
	FEARON PETER J	New York Telephone Company
	FELD STUART	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	FITZGERALD FRANK	New York Telephone Company
	FROHN-NIELSEN HENRIK	New York Telephone Company
	GARBER ANTOINETTE C	New York Telephone Company
	GLADE ROGER S	New York Telephone Company
	GREENBERG E	New York Telephone Company
	HA SUK HEE	New York Telephone Company
	HAYES M M	New York Telephone Company
	HENSSLER F W	New York Telephone Company
	HILL HOWARD G MRS	New York Telephone Company
	HOWARD A	New York Telephone Company
	JONES RUDOLPH	New York Telephone Company
	KENNY SHAUN	New York Telephone Company
	KENT STEPHEN	New York Telephone Company
	KIERNAN BRUCE	New York Telephone Company
	KLEE HENRY	New York Telephone Company
	LANGSTON H	New York Telephone Company
	LEWIS DELPHIN D	New York Telephone Company
	LOGAN HENRY	New York Telephone Company
	LOPEZ JOSEPH	New York Telephone Company
	MATHAI D	New York Telephone Company
	MATHEWS ANNAMMA	New York Telephone Company
	MEEHAN HELEN M	New York Telephone Company
	MINAIDES PERRY	New York Telephone Company
1970	KOHM GERTRUDE	New York Telephone
	LALLY JOHN	New York Telephone
	LANGSTON H	New York Telephone
	LEE M	New York Telephone
	LEECH M H	New York Telephone
	LEWIS DELPHIN D	New York Telephone
	LIA NICHOLAS S	New York Telephone
	MARSHALL E M	New York Telephone
	MCCARTHY R A	New York Telephone
	MCKENNA M B	New York Telephone
	MCNALLY ANDREW P	New York Telephone
	MEEHAN HELEN M	New York Telephone
	MINAIDES PERRY	New York Telephone
	MOULDER F V	New York Telephone
	MOUSSEAU EMIL	New York Telephone

FINDINGS

Year	Uses	Source
1970	O CONNOR DENNIS	New York Telephone
	OLIVER ALBERT S	New York Telephone
	OPPENHEIM DOROTHY A MD	New York Telephone
	PAYETTE GIL	New York Telephone
	PENDELTON LA WANDA	New York Telephone
	PETRUZEL MICHL P	New York Telephone
	PORCIANKO MARIE	New York Telephone
	REGNARD JEANNE M	New York Telephone
	ROCKWELL JEFFERS	New York Telephone
	ROSS M G	New York Telephone
	RUSSELL EILEEN R MRS	New York Telephone
	SCHROEDER LILLIAN	New York Telephone
	SEPULVEDA ANTHONY	New York Telephone
	SIMS ANN CLAIRE MRS	New York Telephone
	TRAPP PAUL	New York Telephone
	TSENG HENRY P	New York Telephone
	WAKEFIELD LYDIA A	New York Telephone
	WALTERS PM	New York Telephone
	WETHERILL ROBT	New York Telephone
	WIGGINS HARRY G	New York Telephone
	WOOLVERTON MARY F	New York Telephone
	AKIYAMA WILFRID	New York Telephone
	ALLOU IC F	New York Telephone
	ALPUGAN OKTAY	New York Telephone
	BAHM MARGUERITE	New York Telephone
	BAIERLEIN OTTO E	New York Telephone
	BENNETT STEWART E	New York Telephone
	BENZ C WILBERTA	New York Telephone
	BOUSANTI ROCCO	New York Telephone
	BOYKIN MATTHEW A	New York Telephone
	BRANEN DANL R	New York Telephone
	BUOTE ROSE MRS	New York Telephone
	BURKE LORETTO J	New York Telephone
	CICUZZA M J	New York Telephone
	COONEY THOS	New York Telephone
	CORTELYOU DAVID H JR	New York Telephone
	COWAN DOROTHY MRS	New York Telephone
	CRONOGUE EDW	New York Telephone

FINDINGS

Year	Uses	Source
1970	CURRAN MICHAEL A	New York Telephone
	DILLON HAROLD W	New York Telephone
	DOUGLASS KURTH	New York Telephone
	DOWNEY CHARLOTTE MRS	New York Telephone
	FEARON PETER J	New York Telephone
	FERRITER G V	New York Telephone
	FETHERSTON MARGARET	New York Telephone
	FITZGERALD FRANK	New York Telephone
	GREENBERG E	New York Telephone
	HAYES M M	New York Telephone
	HENSSLER F W	New York Telephone
	HODGES MARY	New York Telephone
	HOME NEEDS & ASSISTANCE INC	New York Telephone
	HOWARD A	New York Telephone
	JOHNSON IRENE E	New York Telephone
	KASPER WALTER	New York Telephone
1965	ALLOU K F	New York Telephone Company
	BAHM MARGUERITE	New York Telephone Company
	BASSFORD J S	New York Telephone Company
	BENNETT STEWART E	New York Telephone Company
	BENZ C WILBERTA	New York Telephone Company
	BOLDT HANS	New York Telephone Company
	BOUSANTI ROCCO	New York Telephone Company
	BRANEN DANL R	New York Telephone Company
	BRONSON MONA G	New York Telephone Company
	BUOTE ROSE MRS	New York Telephone Company
	BURKE LORETTO J	New York Telephone Company
	BURNETT NELLY F	New York Telephone Company
	CORTELYOU DAVID H JR	New York Telephone Company
	COSTA CARLO	New York Telephone Company
	COVERDALE A M	New York Telephone Company
	COWAN DOROTHY MRS	New York Telephone Company
	DAVIDSON FLORA M	New York Telephone Company
	DESENA WM	New York Telephone Company
	DILLON HAROLD W	New York Telephone Company
	DOWNEY CHARLOTTE MRS	New York Telephone Company
	FERRITER GRACE V RN	New York Telephone Company
	FETHERSTON MARGARET	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	FITZGERALD FRANK	New York Telephone Company
	GORDON CLYDE	New York Telephone Company
	GRACE MICHL J	New York Telephone Company
	GREENBERG CARRIE MRS	New York Telephone Company
	HARTVIG ASTRID MRS	New York Telephone Company
	HAYES KATHLEEN	New York Telephone Company
	HAYES MARGARET RN	New York Telephone Company
	HENSSLER F W	New York Telephone Company
	HICKIE GENEVIEVE M	New York Telephone Company
	HILL HOWARD G MRS	New York Telephone Company
	HODGES MARY	New York Telephone Company
	HOWARD A	New York Telephone Company
	IRELAND RUTH	New York Telephone Company
	JOHNSON IRENE E	New York Telephone Company
	KENNY EUGENE E	New York Telephone Company
	KERR PETER	New York Telephone Company
	KOETH PETER J	New York Telephone Company
	KOHM GERTRUDE	New York Telephone Company
	LALLY JOHN	New York Telephone Company
	LAWLER THERESA	New York Telephone Company
	LEECH M H	New York Telephone Company
	LEISS AMELIA C	New York Telephone Company
	LESSO JULIA	New York Telephone Company
	LIA NICHOLAS S	New York Telephone Company
	LYONS ROBT J	New York Telephone Company
	MACINTOSH MILES	New York Telephone Company
	MARSHALL ELIZ MRS	New York Telephone Company
	MARTINO E	New York Telephone Company
	MCKEOGH JULIA MISS	New York Telephone Company
	MCNALLY ANDREW P	New York Telephone Company
	MEEHAN HELEN H	New York Telephone Company
	MERRELL MILDRED E	New York Telephone Company
	MOUSSEAU EMIL	New York Telephone Company
	NEWLIN J T	New York Telephone Company
	OLIVER ALBERT S	New York Telephone Company
	OLSEN MARJORIE MRS	New York Telephone Company
	OPPENHEIM DOROTHY A MD	New York Telephone Company
	PETRUZEL MICHL P	New York Telephone Company

FINDINGS

Year	Uses	Source
1965	PORCIANKO MARIE	New York Telephone Company
	REITMAN H F	New York Telephone Company
	RODEWALD ALICE C	New York Telephone Company
	RODEWALD CHAS C	New York Telephone Company
	ROSS MARY G MRS	New York Telephone Company
	RUMNEY P	New York Telephone Company
	RUSSELL EILEEN R MRS	New York Telephone Company
	SCHEFFER MORRIS L J MRS	New York Telephone Company
	SIMS ANN CLAIRE MRS	New York Telephone Company
	TOSADO RAYMOND D	New York Telephone Company
	TURK H M	New York Telephone Company
	WAKEFIELD LYDIA A	New York Telephone Company
	WALSH R J DDS OFC	New York Telephone Company
	WALTERS P M	New York Telephone Company
	WALTON WM C	New York Telephone Company
	WELCH A	New York Telephone Company
	WENSTROM ELMER	New York Telephone Company
	WILLIAMS JOHN	New York Telephone Company
	WINNING R K	New York Telephone Company
	WOOLVERTON MARY F	New York Telephone Company
1960	SCHEFFER MORRIS MRS	New York Telephone Company
	SIMS ANN CLAIRE MRS	New York Telephone Company
	SMITH ISABELLE B MRS	New York Telephone Company
	STOVALL MAE	New York Telephone Company
	TURK HELEN M MISS	New York Telephone Company
	VOORHIS JOHN K	New York Telephone Company
	WAKEFIELD LYDIA A	New York Telephone Company
	WALDRON JOHN C	New York Telephone Company
	WALSH R J DDS OFC	New York Telephone Company
	WALTERS P M	New York Telephone Company
	WARNER STANLEY H	New York Telephone Company
	WELCH SUSIE C	New York Telephone Company
	WENSTROM ELMER	New York Telephone Company
	WINNING R K	New York Telephone Company
	WOOLVERTON MARY F	New York Telephone Company
	BRANEN DANL R	New York Telephone Company
	BRECHER WAITER A	New York Telephone Company
	BREOR ALFRED L	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	BRINLEY C COAPES	New York Telephone Company
	BUOTE ROSE MRS	New York Telephone Company
	BURKE LORETTO J	New York Telephone Company
	BURNETT NELLY F	New York Telephone Company
	BURNS M G MISS	New York Telephone Company
	CAMBELL CHAS O	New York Telephone Company
	CHAMBERLAIN WALTER	New York Telephone Company
	CHAMBERLAIN WALTER	New York Telephone Company
	CONNOLLY MARY T	New York Telephone Company
	CORTELYOU DAVID H JR	New York Telephone Company
	COSTA CARLO	New York Telephone Company
	COVERDALE A M	New York Telephone Company
	COWAN DOROTHY MRS	New York Telephone Company
	DAVIDSON FLORA M	New York Telephone Company
	DILLON HAROLD W	New York Telephone Company
	DOWNEY CHARLOTTE MRS	New York Telephone Company
	DUBREUIL ELIZ	New York Telephone Company
	ELMERS HERBERT	New York Telephone Company
	FALLIS CHAS	New York Telephone Company
	FERRITER GRACE V RN	New York Telephone Company
	FETHERSTON MARGARET	New York Telephone Company
	FITZGERALD FRANK	New York Telephone Company
	FREDERICK LILLIAN	New York Telephone Company
	GORDON CLYDE	New York Telephone Company
	GREENBERG CARRIE MRS	New York Telephone Company
	GUERARD ALLEN D	New York Telephone Company
	GUIDO JOHN	New York Telephone Company
	HARTVIG ASTRID MRS	New York Telephone Company
	HAYES HELEN M	New York Telephone Company
	HICKIE GENEVIEVE M	New York Telephone Company
	HILL HOWARD G MRS	New York Telephone Company
	JOHNSON IRENE E	New York Telephone Company
	KENNY EUGENE E	New York Telephone Company
	KENNY EUGENE E	New York Telephone Company
	KOHM GERTRUDE	New York Telephone Company
	LALLY JOHN	New York Telephone Company
	LANGE GEO H	New York Telephone Company
	LE CATO STEWART	New York Telephone Company

FINDINGS

Year	Uses	Source
1960	LEECH M H	New York Telephone Company
	LESSO JULIA	New York Telephone Company
	LIA NICHOLAS S	New York Telephone Company
	LYONS ROBT J	New York Telephone Company
	MACINTOSH MILES	New York Telephone Company
	MADDI EVELYN	New York Telephone Company
	MCKEOGH JULIA MISS	New York Telephone Company
	MCNALLY ANDREW P	New York Telephone Company
	MEE MARY MRS	New York Telephone Company
	MEEHAN HELEN M	New York Telephone Company
	MERRELL MILDRED E	New York Telephone Company
	MONAHAN THOS P JR	New York Telephone Company
	MOREL EDW L JR	New York Telephone Company
	O DONNELL GERARD C	New York Telephone Company
	OLIVER ALBERT S	New York Telephone Company
	OLSEN MARJORIE MRS	New York Telephone Company
	OPPENHEIM DOROTHY A MD	New York Telephone Company
	OTTEN EVELYN	New York Telephone Company
	PHILLIPS HELGA M	New York Telephone Company
	RACKA MADELINE MRS	New York Telephone Company
	REIMERS THEO C	New York Telephone Company
	REITMAN H F	New York Telephone Company
	RUSSELL EILEEN R MRS	New York Telephone Company
	ALLOU KATHERINE F	New York Telephone Company
	BATCHELOR CAREY	New York Telephone Company
	BENNETT STEWART E	New York Telephone Company
	BIEL MAY C	New York Telephone Company
1934	Blunden Dorothy M Mrs nurse	R. L. Polk Co.
	Blunden Edw F S Dorothy M tester h	R. L. Polk Co.
	Lyman Chas G drftsmn Pres Boro Bkn h	R. L. Polk Co.
	Murphy Cath tchr Pt Rich High Sch r	R. L. Polk Co.
1928	ANDERSON C E R	New York Telephone
	CONNELL H C R	New York Telephone
	DE GROFF MARY MRS R	New York Telephone
	DIXON EMMA J MRS R	New York Telephone
	EPSTEIN HUGO I R	New York Telephone
	EPSTEIN SARA L MRS R	New York Telephone
	GORMAN C W R	New York Telephone

FINDINGS

Year	Uses	Source
1928	HECKER M MISS R	New York Telephone
	LAPHAM M R	New York Telephone
	LUTTRELL J A MRS R	New York Telephone
	MACGREGOR ARMS APTS	New York Telephone
	MARREN N A R	New York Telephone
	MCCULLOCH A B R	New York Telephone
	MILLER-JONES WM JR R	New York Telephone
	MOLONEY D Q R	New York Telephone
	MORGAN W G R	New York Telephone
	O NEILL DONALL R	New York Telephone
	OVERLOCK R F R	New York Telephone
	PARKHURST A H MRS R	New York Telephone
	PFAFF K A MRS R	New York Telephone
	PREVOST MARJORIE A MISS R	New York Telephone
	RAYMOND CARL E R	New York Telephone
	ROGERS S L MISS R	New York Telephone
	SANDER THEO JR R	New York Telephone
	SCHEMINGER G MISS R	New York Telephone
	SIMONSON E M R	New York Telephone
	TELLENT H MRS R	New York Telephone
	TIMMERMAN C MISS R	New York Telephone
	TIMMERMAN GEO T R	New York Telephone
	TURK H M MISS R	New York Telephone
	VROOM M E MISS R	New York Telephone

117 STUYVESANT PL

Year	Uses	Source
1928	LAMB G MISS R	New York Telephone
	JACKSON E M MISS MRS	New York Telephone

118 STUYVESANT PL

Year	Uses	Source
1960	PRAY ALAN	New York Telephone Company
1934	Klepper Mendel phys	R. L. Polk Co.
1928	CRABTREE JAS C R	New York Telephone

120 STUYVESANT PL

Year	Uses	Source
2012	EDUCATIONAL DATA SYSTEMS INCORPORATE	Cole Information Services

FINDINGS

Year	Uses	Source
2012	SYZ HOLDINGS LLC	Cole Information Services
	SOLAR & ENVIRONMENTAL TECHNOLOGY C	Cole Information Services
	DIAMOND REPORTING	Cole Information Services
	SIMONOVSKY PROPERTIES	Cole Information Services
	NEW YORK CENTER FOR INTERPERSONAL DE	Cole Information Services
	STATEN ISLAND EMPLOYMENT & BUS SER	Cole Information Services
	INTERNATIONAL RESCUE COMMITTEE	Cole Information Services
	FLOOD CONTROL	Cole Information Services
2007	N Y CITY OF HOUSING AUTHORITY	Cole Information Services
	METROPOLITAN COLLEGE OF NEW YORK	Cole Information Services
	LIFE CORP	Cole Information Services
	THE JEWISH BOARD FAMILY & CHILDREN S	Cole Information Services
	CONTROL FLUIDICS INC	Cole Information Services
	LIFE CORPORATE EVENT	Cole Information Services
	WILLIAM T OHALLORAN	Cole Information Services
	WILLSEY INSTITUTE	Cole Information Services
	CHILDRENS LIFE CENTER SAINT GEORGE C	Cole Information Services
	EXCELLENT HOME CARE SERVICE	Cole Information Services
	CONCERN CITIZENS FOR FAMILY PRESERVA	Cole Information Services
2005	Willsey Institute	Hill-Donnelly Information Services
	US Census Bureau	Hill-Donnelly Information Services
	Stuyresant Business Ctr	Hill-Donnelly Information Services
	Staten Island Housing Auth	Hill-Donnelly Information Services
	Shipside Food Svc Inc 1 R	Hill-Donnelly Information Services
	Seaport Orthopedic Assoc	Hill-Donnelly Information Services
	Sautter Barbara A v	Hill-Donnelly Information Services
	Jewish Board Family	Hill-Donnelly Information Services
	FM Publishing 1 s os	Hill-Donnelly Information Services
	Family Home Care Svc I P	Hill-Donnelly Information Services
	Diamond Reporting 1 s	Hill-Donnelly Information Services
	Control Fluidics Inc Is	Hill-Donnelly Information Services
	Childrens Life Ctr i	Hill-Donnelly Information Services
	Audrey Cohen College	Hill-Donnelly Information Services
	A Social Security Rep	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2005	Multi Unit Address	Hill-Donnelly Information Services
1995	Audrkey Cohen College	NYNEX

124 STUYVESANT PL

Year	Uses	Source
1960	IVERSEN OLGA B	New York Telephone Company

126 STUYVESANT PL

Year	Uses	Source
2012	A CS	Cole Information Services
2005	Supreme Court Juror Info	Hill-Donnelly Information Services
	A CS	Hill-Donnelly Information Services
2000	Styvsnt Bus Ctr	Cole Information Services
	Us Gevt Census Box	Cole Information Services
	Alcohol Cuslng Svc	Cole Information Services
	Andrew Cohen Clg	Cole Information Services
	Control Fldcs Inc	Cole Information Services
	Willsey Institute	Cole Information Services
	Vivtim Serv Agcy	Cole Information Services
	NY St Mental Hygm	Cole Information Services
	States Isle Child	Cole Information Services
	Seaport Orthe H	Cole Information Services
	Seaport Orthe	Cole Information Services
	Paul Miller Imc 22 718 31 S	Cole Information Services
	Montor	Cole Information Services

128 STUYVESANT PL

Year	Uses	Source
1965	PELLEGRINI PETER G	New York Telephone Company
1960	PELLEGRINI PETER G	New York Telephone Company
	BAUER F M	New York Telephone Company
1934	Falk Florence A h	R. L. Polk Co.
1928	CARNEY M MISS R	New York Telephone

130 STUYVESANT PL

Year	Uses	Source
2012	CITY OF NEW YORK	Cole Information Services
	STATE OF NEW YORK	Cole Information Services
	STATEN ISLAND DISTRICT ATTORNEY	Cole Information Services

FINDINGS

Year	Uses	Source
2012	PUBLIC ADMINISTRATOR RICHMOND COUNTY	Cole Information Services
	RICHMOND COUNTY CLERKS OFFICE	Cole Information Services
2007	N Y CITY OF DEPARTMENT OF FINANCE	Cole Information Services
	RICHMOND COUNTY CLERKS OFFICE	Cole Information Services
	CITY OF NEW YORK	Cole Information Services
	NEW NY CENTER FOR INTERPERSONAL DEV	Cole Information Services
	PUBLIC ADMINISTRATION RICHMOND CNTY	Cole Information Services
	SAFE HORIZON	Cole Information Services
	CITY PLANNING STATEN ISLAND	Cole Information Services
	MENTAL HEALTH OFFICE	Cole Information Services
2005	New York Ctr Interpersonal	Hill-Donnelly Information Services
	Public Administrator Richmond	Hill-Donnelly Information Services
	Richmond County Clerks Office	Hill-Donnelly Information Services
	Safe Horizon 2 o	Hill-Donnelly Information Services
	Staten Is Community Dispute	Hill-Donnelly Information Services
	Staten Island City Planning	Hill-Donnelly Information Services
	Staten Island District Atty	Hill-Donnelly Information Services
	Staten Island Probation Dept	Hill-Donnelly Information Services
	Supreme Court Information	Hill-Donnelly Information Services
	Supreme Court Library	Hill-Donnelly Information Services
	Supreme Court Special Term	Hill-Donnelly Information Services
	Ypis Of Staten Island 2 s	Hill-Donnelly Information Services
	Mental Hygiene Dept G	Hill-Donnelly Information Services
	Community Dispute Resolution	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
2000	N Y Cty Prbtn Dept	Cole Information Services
	Rchmnd Co Clerks	Cole Information Services
	Krslr Borg Finmn	Cole Information Services
1984	STATEN ISLAND NEIGHBORHOOD RUNAWAY SVCE	New York Telephone
1975	WOMENS SELF-HELP COLLECTIVE	New York Telephone Company
	RICHMOND COLLEGE	New York Telephone Company
	RICHMOND COLLEGE	New York Telephone Company
	RICHMOND COLLEGE STUDENT COUNCIL	New York Telephone Company
	RICHMOND COLLEGE BOOK SMITH	New York Telephone Company
	RICHMOND COLLEGE NEWSPR	New York Telephone Company

FINDINGS

Year	Uses	Source
1975	N Y CITY OF CITY UNIVERSITY OF NY THE	New York Telephone Company
	LAASSOCIACION DEL S O L	New York Telephone Company
1970	BLY THOMAS G B	New York Telephone
	CAMPBELL DOUGLAS C B	New York Telephone
	FINGADO RAYMOND C B	New York Telephone
	GREGOR H C JR B	New York Telephone
	MANUFACTURERS HANOVER TRUST CO	New York Telephone
	NEW YORK CITY OF CITY UNIVERSITY OF NY THE RICHMOND COLLEGE	New York Telephone
	RICHMOND COLLEGE ADMISSIONS & REGISTRAR	New York Telephone
	RICHMOND COLLEGE ADMISSIONS & REGISTRAR	New York Telephone
	RICHMOND COLLEGE ADMISSIONS & REGISTRAR	New York Telephone
	RICHMOND COLLEGE ADMISSIONS & REGISTRAR	New York Telephone
	RICHMOND COLLEGE ADMISSIONS & REGISTRAR	New York Telephone
	RICHMOND COLLEGE BOOKSTORE INC	New York Telephone
	RICHMOND COLLEGE CLUBS	New York Telephone
	RICHMOND COLLEGE INTER CLUB ACTIVITIES COUNCIL	New York Telephone
	RICHMOND COLLEGE JOURNAL & YEARBOOK	New York Telephone
	RICHMOND COLLEGE LITERARY MAGAZINE	New York Telephone
	RICHMOND COLLEGE STUDENT COUNCIL	New York Telephone
	RICHMOND COLLEGE TIMES	New York Telephone
	SCANDLANA LTD	New York Telephone

136 STUYVESANT PL

Year	Uses	Source
1965	HOTEL COURT PLAZA INC	New York Telephone Company
	COURT PLAZA HOTEL INC	New York Telephone Company
	COURT PLAZA HOTEL INC	New York Telephone Company
1960	COURT PLAZA HOTEL INC	New York Telephone Company
	COURT PLAZA HOTEL INC	New York Telephone Company
	HOTEL COURT PLAZA INC	New York Telephone Company

FINDINGS

Year	Uses	Source
1934	STUYVESANT THE RTN Mae Ellenberg American Plan Hotel and Restaurant Raesonable Rates	R. L. Polk Co.
	Stecher Hans hlpr r	R. L. Polk Co.

138 STUYVESANT PL

Year	Uses	Source
1928	ELLENBERG F MRS R	New York Telephone

146 STUYVESANT PL

Year	Uses	Source
1960	POWELL BASSENDEN MRS	New York Telephone Company
1928	DAVIS WM T R	New York Telephone

152 STUYVESANT PL

Year	Uses	Source
2012	TURVEY JOHN J	Cole Information Services
	R B R INFORMATION INC	Cole Information Services
	BOYLAND ARCHITECTURE PC	Cole Information Services
	HOUSEHOLD PEST REMOVAL PROFESSIONALS	Cole Information Services
	RICHMOND CNTY BAR ASSOC	Cole Information Services
2007	RICHMOND COUNTY BAR ASSOCIATION	Cole Information Services
	REALTY ESTATE ABSTRACT INC	Cole Information Services
	BUDAY M J CONSULTANTS	Cole Information Services
	VDP CORP	Cole Information Services
	MACDERMOT ARCHITECTURE STUDIOS	Cole Information Services
	TURVEY JOHN J	Cole Information Services
2005	Boyland Architecture 1 o	Hill-Donnelly Information Services
	John 3 Turvey Law Offices	Hill-Donnelly Information Services
	M J Buday Consultants I o	Hill-Donnelly Information Services
	Mac Dermot Architecture Studio	Hill-Donnelly Information Services
	Paoli Maria Dolores v	Hill-Donnelly Information Services
	Realty Estate Abstract Inc	Hill-Donnelly Information Services
	Richmond County Bar Assoc	Hill-Donnelly Information Services
2000	Paoli Dolores Atty	Cole Information Services
	Realty Est Abst	Cole Information Services
	Turvey John J Atty	Cole Information Services

FINDINGS

Year	Uses	Source
1995	GENERAL GENL LI STINGAREARRANGEDA AS IF SPELLED IN FULL GENERAL ABSTRACT CORP	NYNEX
	Grajewski Sigmund A atty	NYNEX
	Paoli Maria Dolores atty	NYNEX
	Realty Estate Abstract Inc	NYNEX
	Turvey John J atty	NYNEX
1975	ARNOLD D R J	New York Telephone Company
	ARNOLD RALPH	New York Telephone Company
	BUCK CONSTANCE T OFC	New York Telephone Company
	BYER RICHD OPTMTRST	New York Telephone Company
	D R J ARNOLD ATTY	New York Telephone Company
	FLETCHER HARRY G JR ATTY	New York Telephone Company
	GRAJEWSKI SIGMUND A ATTY	New York Telephone Company
	GUSIKOFF ABRAHAM R ATTY	New York Telephone Company
	HONEYMAN ROBERT B	New York Telephone Company
	STATEN ISLAND ABSTRACT CORP	New York Telephone Company
	TURVEY AGNCY RL EST & INS	New York Telephone Company
1970	BYER RICHD OPTMTRST	New York Telephone
	D ARRIGO CHAS J ATTY	New York Telephone
	FILLER MARTIN M ATTY	New York Telephone
	FLETCHER HARRY G JR ATTY	New York Telephone
	GRAJEWSKL SIGMUPD A ATTY	New York Telephone
	NEWMAN HOWARD ATTY	New York Telephone
1965	BUCK ELLSWORTH B OFC	New York Telephone Company
	BYER RICHD OPTMTRST	New York Telephone Company
	BYER RICHD OPTMTRST	New York Telephone Company
	GRAJEWSKI SIGMUND A ATTY	New York Telephone Company
1960	BOLDUC REPORTING SVCE	New York Telephone Company
	BUCK ELLSWORTH B OFC	New York Telephone Company
	BYER RICHD OPTMTRST	New York Telephone Company
	CEREBRAL PALSY ASSN OF SI	New York Telephone Company
	GUARANTEE EXTERMINATING CO	New York Telephone Company
	GUARANTEED SANITATION INC	New York Telephone Company
	MORRIS RICHD A INS	New York Telephone Company
	REILLY MARGARET F INS	New York Telephone Company
	SHERMAN SEYMOUR DDS OFC	New York Telephone Company
	SI OFFICE SVCE	New York Telephone Company

FINDINGS

154 STUYVESANT PL

Year	Uses	Source
2012	LOCKSMITH AVAILABLE 24 7 EMERGENCY	Cole Information Services
	THE LUNCH DEPOT	Cole Information Services
2005	Society For Seaman Children	Hill-Donnelly Information Services
2000	Society Smn Child	Cole Information Services
1975	HOUSE OF HEROES	New York Telephone Company
1970	HYATT CLEANG & PRESSING	New York Telephone
1965	HYATT CLEANG & PRESSING	New York Telephone Company
1960	RUDIGER A TLR	New York Telephone Company

156 STUYVESANT PL

Year	Uses	Source
2005	Luigis Hair Salon Is	Hill-Donnelly Information Services
2000	Baboeshka Inc	Cole Information Services
1995	Babooshka Inc	NYNEX
	Babooshka Inc	NYNEX
1975	ST GEORGE BEAUTY SALON	New York Telephone Company
1970	ST GEORGE BEAUTY SALON	New York Telephone
1965	ST GEORGE BEAUTY SALON	New York Telephone Company
1960	ANGELA & LEON BEAUTY SALN	New York Telephone Company
	ST GEORGE BEAUTY SALON	New York Telephone Company

160 STUYVESANT PL

Year	Uses	Source
1995	Harbor Gardens Assoc	NYNEX

180 STUYVESANT PL

Year	Uses	Source
1990	LUFRANO R	NYNEX Information Resource Company
1975	ST GEORGE HOMES INC	New York Telephone Company

188 STUYVESANT PL

Year	Uses	Source
1995	BALLENTINE Andrew	NYNEX
1990	ALVERIO P	NYNEX Information Resource Company

FINDINGS

STUYVESNT PL

115 STUYVESNT PL

Year	*Uses*	*Source*
1928	SWAN KINGSLEY MRS R	New York Telephone

STUYVESONT PL

115 STUYVESONT PL

Year	*Uses*	*Source*
1990	MC MULLIN ROBERT	NYNEX Information Resource Company

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	Address Not Identified in Research Source
5 Bay Street	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928

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	Address Not Identified in Research Source
0 HYATT ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 BAY ST	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1934, 1928
1 HYATT ST	2012, 2007, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 RICHMOND AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 RICHMOND TER	2012, 2007, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
1 RICHMOND TER	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 BAY ST	2012, 2007, 2000, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 BAY STREET LNDG	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934
10 HYATT	2012, 2007, 2005, 2000, 1995, 1934, 1928
10 HYATT ST	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 RICHMOND	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 RICHMOND TER	2012, 2007, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
10 RICHMOND TER	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
11 RICHMOND TER	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
11 SCHUYLER ST	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
11 SCHUYLER ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
114 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1960, 1928
115 S STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1934, 1928
115 STAYVESANT PL	2012, 2007, 2005, 2000, 1995, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
115 STUVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
115 STUVYSNT PL	2012, 2007, 2005, 2000, 1995, 1990, 1979, 1975, 1970, 1965, 1960, 1934, 1928
115 STUYVENT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
115 STUYVESANNT PL	2012, 2007, 2005, 2000, 1995, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
115 STUYVESANT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
115 STUYVESANT AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
115 STUYVESANT PIKE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1960, 1934, 1928
115 STUYVESANT PL	2012, 2007, 1979
115 STUYVESNT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
115 STUYVESONT PL	2012, 2007, 2005, 2000, 1995, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
116 STUVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
117 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
118 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965
12 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
12 RICHMOND AVE	2012, 2007, 2005, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
120 STUYVESANT PL	2012, 2007, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
120 STUYVESANT PL	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
124 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1934, 1928
126 STUYVESANT PL	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
126 STUYVESANT PL	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
128 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970
13 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
130 STUYVESANT PL	2012, 2007, 1995, 1990, 1979, 1965, 1960, 1934, 1928
130 STUYVESANT PL	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
136 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1928
138 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
14 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
146 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1934

FINDINGS

Address Researched	Address Not Identified in Research Source
15 CENTRAL AVE	2012, 2007
15 HYATT	2012, 2007, 2005, 2000, 1995, 1934, 1928
15 HYATT ST	2012, 2007, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
15 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
15 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
15-20 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
152 STUYVANT PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
152 STUYVESANT PL	2012, 2007, 1990, 1984, 1979, 1934, 1928
152 STUYVESANT PL	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
154 STUYVESANT PL	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
154 STUYVESANT PL	2012, 2007, 1995, 1990, 1984, 1979, 1934, 1928
156 STUYVESANT PL	2012, 2007, 1990, 1984, 1979, 1934, 1928
16 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
16 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
160 STUYVESANT PL	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
17 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
17 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
17 HYATT ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
17 RICHMOND RD	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
18 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
18 RICHMOND TER	2012, 2007, 1995, 1984, 1970, 1965, 1960, 1934, 1928
18 RICHMOND TER	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
180 STUYVESANT PL	2012, 2007, 2005, 2000, 1995, 1984, 1979, 1970, 1965, 1960, 1934, 1928
188 STUYVESANT PL	2012, 2007, 2005, 2000, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
19 BAY	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
19 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
19 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1965, 1960, 1934, 1928
19 HYATT ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
19 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
2 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
2 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
2 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934

FINDINGS

Address Researched	Address Not Identified in Research Source
2 RICHMOND TER	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
20 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
20 BAY ST	2012, 2007, 1995, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
20 BAY STREET LNDG	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
20 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
20 RICHMOND AVE	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
21 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
21 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
22 BAY AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
22 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
23 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1934, 1928
24 BAY ST	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
24 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
25 CENTRAL AVE	2012, 2007
25 CENTRAL AVE	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
25 HYATT	2012, 2007, 2005, 2000, 1995, 1934, 1928
25 HYATT ST	2012, 2007, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
25 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
25 RICHMOND STREET TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1960, 1934, 1928
25-80 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
26 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
26 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
26 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
26 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
26 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1934, 1928
26-55 RICHMOND AVE	2012, 2007, 2005, 2000, 1995, 1990, 1979, 1975, 1970, 1965, 1960, 1934, 1928
27 HYATT	2012, 2007, 2005, 2000, 1995, 1934, 1928
27 HYATT ST	2012, 2007, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
27 HYATT ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
28 BAY	2012, 2007, 2005, 2000, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
28 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
28 BAY ST	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
28 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1960, 1934, 1928
29 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934, 1928
29 HYATT ST	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
29 HYATT ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
3 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
3 CENTRAL AVE	2012, 2007, 2005, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
3 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1965, 1960, 1934, 1928
3 HYATT ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
3 LA FARGE PL	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
3 RICHMOND TER	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
30 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
30 BAY ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 BAY ST	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 BAY STREET LNDG	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 BAY STREET LNDG	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 BOY ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
30 CENTRAL AV	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
30 CENTRAL PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
30 HYATT ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
30 RICHMOND RD	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
30 RICHMOND STREET TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934, 1928
30 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1960, 1934, 1928
31 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
32 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
32 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
32 BAY ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
32 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
32 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
32 RICHMND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
32 RICHMOND STREET TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934, 1928
32 RICHMOND TER	2012, 2007, 2000, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
32 RICHMOND TER	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
32 SCHUYLER ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
33 CENTRAL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
33 CENTRAL AVE	2012, 2007, 2000
33 CENTRAL AVE	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
33 CENTRL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1975, 1970, 1965, 1960, 1934, 1928
33 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
34 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
34 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
34 HYATT ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
34 N CENTRAL AVENUE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934, 1928
34 RICHMND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934, 1928
34 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
34 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1934
35 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1975, 1970, 1965, 1960, 1934
35 HYATT ST	2012, 2007, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
35 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
35 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
36 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
36 BAY ST	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
36 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
36 RICHMND TER	2012, 2007, 2005, 2000, 1995, 1975, 1970, 1965, 1960, 1934, 1928
36 RICHMOND STREET TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1965, 1960, 1934, 1928
36 RICHMOND TER	2012, 2007
36 RICHMTRD TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1934, 1928
37 RICHMOND AVE	2012, 2007, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
38 BAY ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
38 BAY STREET LNDG	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
38 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
38 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
38 HYATT ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
4 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
4-76 RICHMOND TER	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1970, 1965, 1960, 1934, 1928
40 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
40 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
40 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
40 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
41 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
44 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
44 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
45 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
45 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
45 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
45 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
48 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
49 CENTRAL AVE	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960
5 CENTRAL AVE	2012, 2007, 1990, 1984, 1979, 1975, 1934
5 CENTRAL AVE	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
5 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1965, 1960, 1934, 1928
5 HYATT ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
5 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
50 BAY ST	2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
50 CENTRAL PL	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
51 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
51 HYATT	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934
51 HYATT ST	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
56 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
56 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
56 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
57 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
57 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
57 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
58 BAY	2012, 2007, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1928
59 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
6 CENTRAL AVE	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
60 BAY	2012, 2007, 2005, 2000, 1990, 1979, 1975, 1970, 1965, 1960, 1934, 1928
60 BAY ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
60 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
69 BAY ST	2012, 2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
7 HYATT	2012, 2007, 2005, 2000, 1995, 1975, 1934, 1928
7 HYATT ST	2012, 2007, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
7 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
7 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
70 BAY	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
70 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
70 BAY ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
8 BAY ST	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
8 RICHMOND TER	2012, 2007, 2005, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
9 HYATT	2012, 2007, 2005, 2000, 1995, 1979, 1934, 1928
9 HYATT ST	2012, 2007, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
9 HYATT ST	2005, 2000, 1995, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928
9 RICHMOND AVE	2012, 2007, 2005, 2000, 1990, 1984, 1979, 1975, 1970, 1965, 1960, 1934, 1928

APPENDIX H

Site Photographs

Photograph 1: View of the Building Nos. 8, 7, and 6 from left to right from the esplanade

Photograph 2: View of Building No. 5; Building No. 6 to the left and Building No. 7 in the background

Photograph 3: View of the south side of Building No. 6

Photograph 4: View of the ground floor in Building No. 6

Photograph 5: View of the ground floor in Building No. 6

Photograph 6: View in the entry foyer of Building 7

Photograph 7: View of the ground floor in Building No. 7

Photograph 8: View of the ceiling in a room of Building No. 7

Photograph 9: View of Building No. 8 from the southeast corner of the Site

Photograph 10: View of the south side of Building No. 8

Photograph 11: **View of the south side of the Site buildings; note natural gas line markers**

Photograph 12: **View of the area south of Building No. 8, facing west; Post Office in the background**

Photograph 13: View of the culvert located south of Building No. 8

Photograph 14: View of the area south of Building No. 8, facing south

Photograph 15: View of the west side of the Site facing west

Photograph 16: View of the aboveground transformer located in the northwest corner of the site

Photograph 17: View of the vaults

Photograph 18: View in the northern most vault (No. 1)

Photograph 19: View in the Vault No. 2 (south of Vault No. 1)

Photograph 20: View in the Vault No. 3 (south of Vault No. 2)

Photograph 21: View of rusted machinery and debris in Vault No. 5

Photograph 22: View of empty drums in Vault No. 6

Photograph 23: View of the NYC DOT Saint George ferry maintenance building

Photograph 24: View along Borough Plaza facing north

Photograph 25: View of pedestrian overpass to Saint George Train Station

Photograph 26: View of the piers and Upper New York Bay

Photograph 27: View of the Upper New York Bay

Photograph 28: View of vacant building southeast of the Site; under construction for residential use

Photograph 29: View of north towards Saint George Train Station and Saint George Ferry Terminal

Photograph 30: View of Staten Island Borough Hall

Photograph 31: View of small business / office center across Bay Street

Photograph 32: View of Post Office

APPENDIX I

Freedom of Information Law
Letters and Responses

Joseph P. Gavin

From: foia@erulemaking.net
Sent: Thursday, January 03, 2013 11:47 AM
To: Joseph P. Gavin
Subject: FOIA Request EPA-R2-2013-002489 Submitted

This message is to confirm your request submission to the FOIAonline application: https://foiaonline.regulations.gov:443/foia/action/public/view/request?objectId=090004d28002130e. Request information is as follows:

- Tracking Number: EPA-R2-2013-002489
- Requester Name: Joseph P. Gavin
- Date Submitted: Thu Dec 20 00:00:00 EST 2012
- Request Status: Submitted
- Description: 271 West 10th Street in NYC & 5 Bay Street in Staten Island

http://oaspub.epa.gov/enviro/enviroFACTS.quickstart?
minx=-74.077699&miny=40.639472&maxx=-74.070189&maxy=40.643380&ve=16,40.641429901122976,-74.0739517211914&pSearch=5%20bay%20street,%20staten%20island,%20ny

Environmental Protection Agency

Envirofacts

Search Results

Search Results for:
5 bay street, staten island, ny

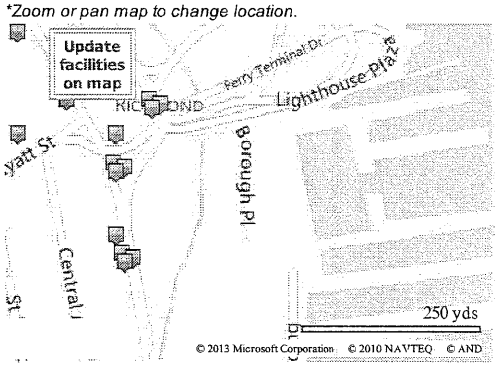
Envirofacts Links

- EF Overview
- Search
- Model
- Data Update
- Multisystem Search User Guide
- Contact Us

Report an Error

API Link for Report Data:
http://iaspub.epa.gov/enviro/efservice/multisystem/minLatitu
Copy and paste the link above to view the data from this report

*Zoom or pan map to change location.



Info AIR TOXICS WASTE RADIATION WATER

Click on a tab to see a summary view of data for a media type.

LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

The facility list below is based upon the facilities that are visible with the map above. To refine your search to a more targeted area of interest, please visit the Envirofacts Multisystem Search Form. To search Envirofacts via an interactive map, please view your results in EnviroMapper for Envirofacts

The data within the table below can be downloaded in a comma-seperated value file for use in Excel by clicking here:

FACILITY INFORMATION	AFS	ACRES	BR	CERCLIS	PCS/NDS	RADInfo	RCRAInfo	TRI	TSCA
60 BAY ST BUILDING 60 BAY ST STATEN ISLAND, NY 10301 Latitude: 40.640605 Longitude: -74.07571 Summary Report Facility Report Compliance Report	View Report								
COLLEGE OF STATEN ISLAND 130 STUYVESENT PL STATEN ISLAND, NY 10301-1968 Latitude: 40.643074 Longitude: -74.076995 Summary Report Facility Report Compliance Report							View Report		
COLLEGE OF STATEN ISLAND 50 BAY ST STATEN ISLAND, NY 103012511 Latitude: 40.640686 Longitude: -74.075735 Summary Report Facility Report Compliance Report							View Report		
CON ED - MH 7293 60 BAY ST STATEN ISLAND, NY 103010000 Latitude: 40.640605 Longitude: -74.07571 Summary Report Facility Report Compliance Report							View Report		
CON EDISION - MH904 RICHMOND TERRACE & BAY ST RICH NEW YORK, NY 10003 Latitude: 40.64232 Longitude: -74.07519 Summary Report Facility Report Compliance Report			View Report				View Report		
CON EDISON - BAY ST CP 15-60 BAY ST STATEN ISLAND, NY 10301-2514 Latitude: 40.64155 Longitude: -74.07575 Summary Report Facility Report Compliance Report							View Report		
CON EDISON - MANHOLE 8094 FRESH KILLS LANDFILL OFF W. SH STATEN ISLAND, NY 10301 Latitude: 40.642396 Longitude: -74.075375			View Report				View Report		

Summary Report Facility Report Compliance Report									
MTA NYCT - ST GEORGE STATION - SIRTOA 5 RICHMOND TER & SCHUYLER ST STATEN ISLAND, NY 10301 Latitude: 40.642396 Longitude: -74.075211 Summary Report Facility Report Compliance Report							View Report		
NYC - STATEN ISLAND BOROUGH HALL 10 RICHMOND TER STATEN ISLAND, NY 10301 Latitude: 40.64256 Longitude: -74.07538 Summary Report Facility Report Compliance Report							View Report		
NYC DEPT OF TRANSPORTATION FERRY MAINTENANCE FACILITY STATEN ISLAND, NY 10301 Latitude: 40.641757 Longitude: -74.075896 Summary Report Facility Report Compliance Report			View Report				View Report		
NYC DOT ST GEORGE FERRY TERMINAL 1 BAY ST STATEN ISLAND, NY 10301 Latitude: 40.642295 Longitude: -74.07519 Summary Report Facility Report Compliance Report							View Report		
NYC DOT-ST GEORGE FERRY TERMINAL RICHMOND TER STATEN ISLAND, NY 10301 Latitude: 40.641832 Longitude: -74.075867 Summary Report Facility Report Compliance Report			View Report				View Report		
SPOTLIGHT PRINTING 27 HYATT STREET STATEN ISLAND, NY 10301-1801 Latitude: 40.641915 Longitude: -74.077144 Summary Report Facility Report Compliance Report	View Report								
VS305 HYATT ST. AND STUYVESANT PL. STATEN ISLAND, NY 10301 Latitude: 40.64228 Longitude: -74.07641 Summary Report Facility Report Compliance Report							View Report		

Total Number of Facilities Displayed: 14

Return to more topical information

Last updated on 1/14/2013

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

209 SHAFTER STREET
ISLANDIA, NEW YORK 11749
TEL 631 232-2600 FAX 631 232-9898

FACSIMILE TRANSMITTAL SHEET

To: Ms Wanda Calderon FOIA office
USEPA Region 2
290 Broadway, 26th Floor
New York NY 10007-1866

Fax No. 212-637-5046
Phone No.
Project No.

Sent by: Joseph Gavin

Date: 12/20/12 Time:

Message: Please see attached FOIA Request for Records of location 5 Bay Street Staten Island, NY 1030 (AKA 5A, 5B, 5C, 5D Bay Street) (Block 1, Lot 60) in Regards to hazardous waste program; oil spills & hazardous substance Release program; Compliance Inspections; Violations Issuance & Enforcement Actions

TOTAL NUMBER OF PAGES SENT INCLUDING TRANSMITTAL SHEET 2

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL US AS SOON AS POSSIBLE

PHONE: (631) 232-2600 FAX: (631) 232-9898

Roux Associates' Services

Alternatives to Traditional Remedial Approaches
- Technical Impracticability (TI)
- Constructed Wetlands
- Natural Attenuation/Intrinsic Remediation
- Bioremediation
- Risk Based Corrective Action (RBCA)
- Voluntary Cleanup Programs
- Site Redevelopment/Brownfields

Ground-Water and Soil Investigations
- Phase I/Phase II Investigations
- CERCLA RI & RCRA RFI
- Ground-Water Modeling
- Geophysical Investigations

Litigation Support
- Expert Testimony/Technical Presentations
- Contaminant Source Identification
- Remedial Action Assessments
- Cost Allocation Studies

Remedial Engineering & Design
- CERCLA FS & RCRA CMS
- Conceptual Design/Engineering Design
- Construction Management

Human Health & Environmental Risk Assessments
- CERCLA & RCRA
- Property Transfer Assessments
- Litigation Support/Expert Testimony

Environmental Compliance Services
- Pre-Audit Planning/Audit Evaluations
- Environmental Impact Statements (EIS)
- Pollution Prevention/Waste Minimization

Occupational Health & Safety
- Industrial Hygiene Surveys
- Health & Safety Audits
- Professional Training Programs
- Hazard Communications/Education

This facsimile contains privileged and confidential information intended only for the use of the addressee named above. If you are not the intended recipient of this facsimile, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone.

Thank you.

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749 TEL 631-232-2600 FAX 631-232-9898

December 20, 2012 *VIA FACSIMILE*

Ms. Wanda Calderon
Freedom of Information Officer
United States Environmental Protection Agency
Region 2
290 Broadway, 26th Floor
New York, NY 10007-1866

Re: Freedom of Information Request
5 Bay Street
Staten Island, NY 10301

Dear Ms. Calderon:

Pursuant to the Freedom of Information Act, 5 U.S.C. 552, Roux Associates, Inc. (Roux Associates) hereby respectfully requests copies of any and all records pertaining to the real property located at 5 Bay Street, Staten Island, NY 10301 (a.k.a 5A, 5B, 5C and 5D Bay Street) (New York City Tax Block 1, Lot 60). More specifically, I am interested in obtaining records from specific programs and records of action including the hazardous waste program, oil spill and hazardous substance release program, compliance inspections, violation issuances, and enforcement actions.

If all the requested records cannot be emailed to me, please inform me of the portions that can be emailed and advise me of the cost for reproducing the remainder of the records, which are tentatively not to exceed $25. If this request is too broad or does not adequately describe the records, please contact me so that I may clarify my request and, when appropriate, inform me of the manner in which records are filed, retrieved, or generated.

If for any reason any portion of this request is denied, please inform me of the reasons for the denial in writing within 20 days and provide the contact information of the person or body to whom an appeal should be directed.

Thank you for your prompt attention to this matter. If you have any questions, you may reach me at 631-232-2600 or at jgavin@rouxinc.com.

Sincerely,

ROUX ASSOCIATES, INC.

Joseph P. Gavin
Project Hydrogeologist

Joseph P. Gavin

From: Foil r2foil <r2foil@gw.dec.state.ny.us>
Sent: Wednesday, December 26, 2012 11:00 AM
To: Joseph P. Gavin
Subject: R2-12-3085&R2-12-3086-Gavin-Acknowledgment.docx

December 21, 2012

FOIL: [redacted] & R2-12-3086

Joseph Gavin/ROUX Assoc., Inc.
631-232-2600
F 631-232-9898
jgavin@rouxinc.com

Re: [redacted]

Modified for Client Confidentiality

R2-12-3086: -5 Bay St in SI
-10 Richmond Terrace Spill No. 0803835 – 2 pdf
-45 Bay St PBS 2-604284 – 3 pdf
-1 Bay St 2-607585 – 25 pdf
-10 Richmond Terrace 2-216992 – 18 pdf

Dear Mr. Gavin:

We are in receipt of your Foil request for the above referenced site. The identification Number(s) assigned are: [redacted] R2-12-3086.

If for any reason you need to contact us again please use these numbers. When the programs are done gathering the files/information, this office will contact you.

Please email your future FOILs to Region 2 directly to the following email address: r2foil@gw.dec.state.ny.us

Please expect our response within 20 business days from the date of this letter.

If you have any questions @ your FOIL, please call Gloria Silva/ or Cynthia Whiting/FOIL Secretary at 718-484507, or email me providing the above FOIL # at: r2foil@gw.dec.state.ny.us

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.

Regional Enforcement Coordinator

Joseph P. Gavin

From: Foil r2foil <r2foil@gw.dec.state.ny.us>
Sent: Wednesday, December 26, 2012 10:19 AM
To: Joseph P. Gavin
Subject: R2-12-3086-Gavin.4pdf.docx
Attachments: 0803835.pdf; 2-216992 & 2-607585 & 2-604284.pdf; letter.sp0803835.2008-08-15.greencard.pdf; letter.sp0803835.2008-08-11.pdf

December 24, 2012

FOIL: R2-12-3086

Joseph Gavin/ROUX Assoc., Inc.
631-232-2600
F 631-232-9898
jgavin@rouxinc.com

Re: -5 Bay St in SI
-10 Richmond Terrace Spill No. 0803835 – 2 pdf
-45 Bay St PBS 2-604284 –
-1 Bay St 2-607585
-10 Richmond Terrace 2-216992

Dear Mr. Gavin:

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, claims, investigations or
inquiries.

☒ Attached please find 4 pdf file (s)] of free copy of the records located for the names and/or addresses you provided. .

Therefore, your FOIL request has been satisfied and closed.

Please email your future FOILs to Region 2 directly to our email address: r2foil@gw.dec.state.ny.us

Please send me an email confirming the receipt of the attachment(s).

Thank you for your request. If you have any questions, please call my secretary Gloria Silva at 718-482-4507, or email it to me at r2foil@gw.dec.state.ny.us .

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Attachment(s): 4 pdf file (s)

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 0803835

SPILL NAME: STATEN ISLAND BOROUGH **DEC LEAD:** MXAJOKU

SPILL DATE: 07/01/2008 **SPILL TIME:** 5:00 pm

CALL RECEIVED DATE: 07/02/2008 **RECEIVED TIME:** 11:26 am

SPILL LOCATION

PLACE: STATEN ISLAND BOROUGH **COUNTY:** Richmond

STREET: 10 RICHMOND TERRACE **TOWN/CITY:** New York City

COMMUNITY: STATEN ISLAND

CONTACT: ED MALLIEN **CONTACT PHONE:** (718) 556-7371

CONT. FACTOR: Tank Test Failure **SPILL REPORTED BY:** Tank Tester

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

PBS No: 2-216992

BOTH TANK FAILED THEY ARE NEXT TO EACH OTHER; HISSING SOUND; ULAGE PORTION LEAK;

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
#2 Fuel Oil	Petroleum	0 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS		CONTACT
STATEN ISLAND BOROUGH	10 RICHMOND TERRACE	STATEN ISLAND NY	ED MALLIEN (718) 556-7371

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
1	10,000	#2 Fuel Oil			00	0.00	
2	10,000	#2 Fuel Oil			00	0.00	

DEC REMARKS:

TTF letter sent - see eDocs

"Green Card" receipt shows mailing was accepted by B. Schnetzler at NYC DCS on 8/13/08 see eDocs

PIN **T & A** **COST CENTER**

CLASS: C4 **CLOSE DATE:** **MEETS STANDARDS:** False

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21st Street, Long Island City, NY 11101-5407
Phone: (718) 482-4608 • **FAX:** (718) 482-4098 • **Website:** www.dec.state.ny.us

Alexander B. Grannis
Commissioner

August 11, 2008

Thomas Decker
NYC Dept of Citywide Services
1 Centre Street - 16th Flr North
New York, NY 10007

RE: Tank Test Failure
Staten Island Borough Hall, 10 Richmond Terrace, Staten Island
Petroleum Bulk Storage Facility No. 2-216992
Spill Case No. 0803835 **NYSDEC Project Manager: Moses Ajoku**

Dear Mr. Decker:

On July 1, 2008 the New York State Department of Environmental Conservation (the Department) received notification of a tank system integrity failure at the above mentioned facility. You have been identified as either the owner of this tank or the owner's representative. Because the tank system was found not to be tight, a petroleum release may have occurred at this property, which is a violation of the New York State Environmental Conservation and Navigation Laws. Therefore, the Department requires that you take **immediate** action to prevent and stop any additional release of petroleum, determine the cause of the failure, and investigate/remediate any soil and/or groundwater contamination, if a petroleum release has occurred. The following steps are required by the Department:

1. Determine if the "wet" portion of the tank system failed. If so, or if it is inconclusive as to which part of the system failed, then the tank's contents must be emptied **immediately** to assure that no further release would occur.
2. Determine the cause of the tank system integrity failure. This process may include, but is not limited to, excavation of a part of the tank system, isolation of the tank from the piping and separate retesting, or tank and/or piping repair/replacement with subsequent system retesting.
3. If contaminated soil is found during excavation of the tank or piping, it should be removed to the extent feasible, and properly disposed under applicable regulations for petroleum contaminated soil.
4. Submit a letter or report to this office **no later than one month from the date of this letter**. It is to be prepared by an appropriate third party (e.g., consultant, contractor, etc.). The submittal should reference the spill case number and the site address. The report should specify the cause of the tank system failure and the actions taken to stop, minimize, or remove the petroleum release. It should also include conclusions and recommendations for further action. It is to be sent to the attention of the above named NYSDEC Project Manager, care of the address captioned in the letterhead.

Failure to comply with these requirements may lead to a legal action by the Department under the New York State Environmental Conservation and State Navigation Laws, with penalties of up to $25,000 per day per violation.

If you wish to discuss this letter, please contact me at (718) 482-4608.

Sincerely,

For Moses Ajoku
Environmental Engineer
Petroleum Bulk Storage Unit

SPILL #0803935

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Thomas Decker
NYC Dept. of Citywide Services
1 Centre St. - 16th Floor North
NY, NY 10007

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☑ Agent
☐ Addressee

B. Received by (Printed Name)
R. SCHNETZLER

C. Date of Delivery
8-17-08

D. Is delivery address different from item 1?
If YES, ~~enter delivery address below:~~
☐ Yes
☐ No

eDocs

3. Service Type
☑ Certified Mail
☐ Express Mail
☐ Registered
☐ Return Receipt for Merchandise
☐ Insured Mail
☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label)
7002 2410 0000 8995 9156

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

PBS # : 2-216992

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 12/21/2012

Site: STATEN ISLAND BOROUGH HALL
10 RICHMOND TERRACE
STATEN ISLAND, NY 10310

Owner: DEPT. OF CITYWIDE ADMIN SERVICES
1 CENTRE STREET, #16 FLOOR NORTH
NEW YORK, NY 10007

(212) 669-4890

Owner Type : Local Government

Mail: CITY OF NEW YORK DFMC
1 CENTRE STREET
16TH FLOOR NORTH
NEW YORK, NY 10007

Town: New York City **County:** Richmond

On-Site Operator: EDWIN MALLIEN (212) 442-8527

Primary Operator:

Auth Rep: JOSEPH WANGER

ATTN: THOMAS DECKER
(212) 669-4890

Emergency : THOMAS DECKER (917) 560-9176

Site Status : Active **Reg Expires :** 10/15/2017 **Cert Printed:** 11/06/2012 **Total Active Tanks :** 1 **Last Inspected:**

Site Type: Municipality (Incl. Waste Water Treatment **Cert Issued:** 11/06/2012 **Total Active Capacity :** 10,000 **Inspected By:**

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	(22) Multi Owner	Date Test	Next Test
001	4	1	01/01/1950		10,000	0001	01	00	00	03	00	04	00	02	03	01	00	00	09				
002	5	4	01/01/1950	06/04/2012	10,000	0001	01	00	00	03	00	05	00	00	03	01	00	00	00			05/02/2012	

(See Reverse Side or Last Page for Code Keys)

PBS # : 2-604284

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 12/21/2012

Site: ST. GEORGE POST OFFICE
45 BAY STREET

Owner: UNITED STATES POSTAL SERVICE
142-02 20TH AVE. 3RD FL
FLUSHING, NY 11351

(718) 321-5791

Owner Type : Federal Government

Mail: U.S. POSTAL SERVICE
ST. GEORGE STATION
45 BAY STREET
STATEN ISLAND, NY 10301-9997

Town: New York City **County:** Richmond

On-Site Operator: POSTMASTER (718) 727-7049

Primary Operator:

Auth Rep: DENNIS DESPOSITO

ATTN: MANAGER (718) 981-0612

Emergency : STEVE KOWAL (718) 816-2748

Site Status : Active **Reg Expires :** 06/05/2012 **Cert Printed:** 04/27/2007 **Total Active Tanks :** 1 **Last Inspected:**

Site Type: Apartment Building/Office Building **Cert Issued:** 04/27/2007 **Total Active Capacity :** 6,000 **Inspected By:**

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	(22) Multi Owner	Date Test	Next Test
002	5	1	06/01/1999		6,000	0001	04	01	02	04	01	02		02	02	02	02		09				
001	5	3		11/01/1999	6,000	0001	01	00	00	00	00	04		02	02	01	00						

(See Reverse Side or Last Page for Code Keys)

PBS # : 2-607585

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 12/21/2012

Site: STATEN ISLAND FERRY
ST. GEORGE FERRY TERMINAL
1 BAY STREET
STATEN ISLAND, NY 10301

Owner: NYC DOT
55 WATER ST
NEW YORK, NY 10041

(212) 839-8920
Owner Type : Local Government

Mail: NYC DOT FACILITIES MGMT
55 WATER ST
7TH FLOOR
NEW YORK, NY 10041

Town: New York City County: Richmond

On-Site Operator: BILL DELINIKOLAOU. (718) 867-6103

Primary Operator:

Auth Rep: PETER SAMBALIS

ATTN: PETER SAMBALIS
(212) 839-8920

Emergency : BILL DELINIKOLAOU (646) 772-9765

Site Status : Active Reg Expires : 07/31/2017 Cert Printed: 09/10/2012 Total Active Tanks : 10 Last Inspected:

Site Type: Municipality (Incl. Waste Water Treatment Cert Issued: 09/04/2012 Total Active Capacity : 51,775 Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Install	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	(22) Multi Owner	Date Test	Next Test
D01	3	1	01/01/2003		10,000	0001	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
D02	3	1	01/01/2003		4,000	0008	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
L010	3	1	11/01/2002		4,000	0013	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
L020	3	1	11/01/2002		5,000	0013	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
STG-01	3	1	11/01/2002		275	0008	01	00	01	01	10 06	03	04	02	02	01	01	01	10	09				
STG-03	5	1	01/01/1993		20,000	0001	06	00	04	04	01	02	05	01	02	02	06	04	04	09			12/13/2007	
STG-05	3	1	01/07/2010		500	0008	01	00	01	01	10 06	04		02	02	01	01	01	10	09				
STG-06	3	1	09/09/2011		1,000	0001	01	00	01	01	09 06	02	03	01	02	01	03	05	09	09				
W010	3	1	11/01/2002		5,000	0022	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
W020	3	1	11/01/2002		2,000	0022	01	01	01	01	10 06	02	04	02	02	01	01	01	10	09				
2	3	3	12/10/2010	12/22/2011	2,000	0008	01	00	01	09	02	04	05	00	02	00	00	00	00	00				
3	3	3	12/10/2010	12/22/2011	140	0008	01	00	01	09	02	00		00	02	00	00	00	00	00				
4	3	3	12/10/2010	12/22/2011	140	0008	01	00	01	09	02	00		00	02	00	00	00	00	00				

(See Reverse Side or Last Page for Code Keys)

PBS # :
2-607585

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 12/21/2012

PETROLEUM BULK STORAGE APPLICATION – SECTION B – TANK INFORMATION – CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Aboveground in Subterranean Vault w/ access for inspections

Status (4)

1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Under Dispenser Containment (UDC) – sump/containment underneath a motor fuel dispenser (21)

Check If Present

Tank Owned by Party Other Than Listed in Section a (22)

Check If Applicable

Product Stored (7)

Heating Oils
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Motor Fuels
0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Crude Oil
0006. Crude Oil
0701. Crude Oil Fractions

Lubricating/Cutting Oils
0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used As Building Materials
2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits
0014. White/Mineral Spirits
1731. Naphtha

Mineral/Insulating Oils
0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils
0022. Waste/Used Oil
9999. Other -please list :*

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-please list:*

Internal Protection (9)

00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

Secondary Containment (11/19)

00. None

Aboveground Tanks/Piping
01. Diking
02. Vault (w/access)
05. Synthetic Liner
06. Remote Impounding Area
09. Modified Double-Walled
10. Impermeable Barrier ***
11. Double Bottom ***

*** Each of these codes must be combined with code 01 or 06 to meet compliance requirements

Underground Tanks/Piping
03. Vault (w/o access)
04. Double-Walled
05. Synthetic Liner
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
10. Impervious Underlayment

Tank Leak Detection (12)

00 None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impermeable Barrier (Aboveground Only)
99. Other-please list:*

Overfill Prevention (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge (Aboveground Only)
05. Vent Whistle
99. Other-please list:*

Spill Prevention (14)

00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

Pumping/Dispensing Method (15)

00. None
01. Submersible
02. Suction
03. Gravity

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump
09. Exempt Suction Piping
99. Other-please list:*

*** If other, please list on a separate sheet including Tank Number**

Joseph P. Gavin

From:	Joseph P. Gavin
Sent:	Thursday, December 20, 2012 5:01 PM
To:	'r2foil@gw.dec.state.ny.us'
Subject:	NYSDEC FOIL request for 5 Bay Street, Staten Island, NY - Lightouse Point
Attachments:	NYSDEC FOIL request for 5 Bay Street, Staten Island, NY - Lightouse Point.pdf

Please see the attached FOIL request for records pertaining to 5 Bay Street, Staten Island, NY - Lightouse Point.
Thank you for your time and assistance with this project.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600
Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

Please consider the environment before printing this e-mail.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Address of Facility or Site (if applicable)
5 Bay Street, Staten Island, NY 10301 (AKA - 5A, 5B, 5C, 5D Bay Street) (Block 1, lot 60) (Lighthouse Point)

— Please Send Records Re: Spill 0803835 / PBS 2-604284, 2-607585, 2-216992 for Adjacent Properties

Spill No. (if applicable) N/A Facility ID No. (if applicable) N/A

PBS No. (if applicable) N/A

Other: Request for Records of Environmental Investigation; Spill Releases; Storage Registrations; hazardous materials Activity or Other Issues Regarding Environmental Quality at above address.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 125 -.

Name (Print or type) Joseph Gavin Telephone No. 631-232 2600 Fax No.

Company (if applicable) Roux Associates Inc E-Mail Address JGavin@Rouxinc.com

Mailing Address 209 Shafter Street, Islandia NY 11749

Signature [signature] Date 12/20/12

RECORDS CUSTODIAN

TO APPLICANT:

RECORDS PROVIDED

____ The reproduction costs for the records provided $_____

____ Records have been (partially, fully) provided

(If not provided, date when records are expected to be fully provided:_____)

RECORDS NOT AVAILABLE

____ Records cannot be located after a diligent search ____ The Department is not the custodian for records indicated

RECORDS DENIED

I hereby advise that access to the records, or part of the records, has been denied for the reason(s) checked below:

____ Specifically exempt by another statute

____ Would impair present or imminent contract awards or collective bargaining negotiations

____ Compiled for law enforcement purposes

____ Inter-agency or intra-agency materials that are not:

- statistical or factual tabulations or data
- instructions to staff that affect the public
- final agency policy or determinations; or
- external audits, including but not limited to audits performed by the comptroller and the Federal government

____ Other exemptions (as applicable)

____ Unwarranted invasion of privacy

____ Trade secrets

____ Could endanger life or safety of any other person

Records Custodian signature_____ Date:_____

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

John Rousakis
General Counsel
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3448
F: (718) 595-6543

December 28, 2012

Mr. Joseph Gavin
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749

Dear Mr. Gavin:

Re: 5 Bay Street, Staten Island

We hereby acknowledge receipt of your **Freedom of Information Law** request dated December 21, 2012.

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,

Brenda Farren

Brenda Farren
FOIL Access Officer

FOIL log #(s) 91814, 91815, 91816, 91817, 91818

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

209 SHAFTER STREET
ISLANDIA, NEW YORK 11749
TEL 631 232-2600 FAX 631 232-9898

FACSIMILE TRANSMITTAL SHEET

To: Records Access Office
NYCDEP
59-17 Junction Blvd. 19th Flr.
Flushing NY 11373

Fax No. (718) 595-6543
Phone No.
Project No.

Sent by: Joseph Gavin

Date: 5/21/12 Time:

Message: Please see Request for Records Regarding attached application for property: 5 Bay Street (aka 5A, 5B, 5C, 5D Bay Street) Staten Island NY 10301 (Block 1, lot 60) for hazardous materials, Emergency Response; Right to Know; Air permits/Complaints/Inspection; Environmental Reviews/SEQRA; Industrial Pretreatment/Sewer Discharge Violations; Proof of Sewer Connection; Notice of Violations & Decisions)

TOTAL NUMBER OF PAGES SENT INCLUDING TRANSMITTAL SHEET 3

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL US AS SOON AS POSSIBLE

PHONE: (631) 232-2600 FAX: (631) 232-9898

Roux Associates' Services

Alternatives to Traditional Remedial Approaches
- Technical Impracticability (TI)
- Constructed Wetlands
- Natural Attenuation/Intrinsic Remediation
- Bioremediation
- Risk Based Corrective Action (RBCA)
- Voluntary Cleanup Programs
- Site Redevelopment/Brownfields

Ground-Water and Soil Investigations
- Phase I/Phase II Investigations
- CERCLA RI & RCRA RFI
- Ground-Water Modeling
- Geophysical Investigations

Litigation Support
- Expert Testimony/Technical Presentations
- Contaminant Source Identification
- Remedial Action Assessments
- Cost Allocation Studies

Remedial Engineering & Design
- CERCLA FS & RCRA CMS
- Conceptual Design/Engineering Design
- Construction Management

Human Health & Environmental Risk Assessments
- CERCLA & RCRA
- Property Transfer Assessments
- Litigation Support/Expert Testimony

Environmental Compliance Services
- Pre-Audit Planning/Audit Evaluations
- Environmental Impact Statements (EIS)
- Pollution Prevention/Waste Minimization

Occupational Health & Safety
- Industrial Hygiene Surveys
- Health & Safety Audits
- Professional Training Programs
- Hazard Communications/Education

This facsimile contains privileged and confidential information intended only for the use of the addressee named above. If you are not the intended recipient of this facsimile, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone.

Thank you.

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 – New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the completed application to the Records Access Officer at NYC DEP, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- ☐ Bid/ Procurement (ACCO)
- ☐ Asbestos (BEC)
- ☒ Hazardous materials emergency response (BEC)
- ☒ Right To Know (BEC)
- ☒ Air permits/complaints/ inspections (BEC)
- ☐ Noise complaints/ inspections (BEC)
- ☒ Environmental Review/SEQRA (BEPA)
- ☒ Industrial Pretreatment/ sewer discharge violations (BWT)
- ☐ Water main/line repair/construction (BWSO)
- ☐ Sewer main/line repair/construction (BWSO)
- ☐ Water Quality (BWS/WQ)
- ☐ Watershed/ reservoir operations (BWS)
- ☐ Watershed area incident reports (DEP PD)
- ☐ Water bill accounts/ metering (BCS)
- ☐ Personnel records (HRM)
- ☐ Wastewater Treatment Plant operations (BWT)
- ☒ Proof of Sewer Connection
- ☒ Notice of Violation & Decision (ECB)

Phase I

I hereby apply to inspect or ● receive copies of the following records (use additional sheets as needed and attach):

Any and All Records within the 'Type of Records' checked above, specifically But Not limited to Sewer Connection Permits, Violations, Enforcement (Corrective actions) Correspondence.

Location: 5 Bay Street, (aka 5A, 5B, 5C, 5D Bay Street) Staten Island NY 10301 (Block 1, lot 60)

Time frame/date of records: All Records to Date.

Name: Joseph Gavin Phone: 631-232-2600 E-Mail: JGavin@Roux inc.com

Firm: Roux Associates INC.

Address: 209 Shafter Street City Islandia State NY Zip Code 11749

Signature: [signature] Date: 12/20/12

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

☐ APPROVED ☐ APPROVED IN PART - - To arrange for access to the records, please contact:

(Department Representative) (Bureau) (Phone No.)

Number of Pages: _____ x$.25 per page = Cost: _____

☐ DENIED ☐ DENIED IN PART - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other) _____

Brief Description of records not subject to disclosure _____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ UNAVAILABLE - - for reason(s) checked:

☐Not described in sufficient detail ☐ Not maintained by this Department

☐After search, no records responsive to request located

☐(Other)_____

_____

LOG NO.:_____

_____

(Department Representative) (Bureau) (Date)

☐ Fee Waived ☐ Check/M.O. received ☐ Check/M.O. requested DOC# 050901

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD MPH
Commissioner

12/27/2012

Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749
Attention: *Joseph Giavin*

Re: *5 Bay St., Staten Island, NY/Non-identifying environmental records*
Control #: *2012FR03624*

The New York City Department of Health and Mental Hygiene acknowledges receipt of your Freedom of Information Law request. It has been assigned the above-noted control number and has been forwarded to the following bureau or office for processing:

Bureau / Office

[ ] Lead Poisoning Prevention
Ben DelPercio
(212) 676-6123

[X] Environmental Health Services
Natisha Smith or Shirley Wiley
(212) 788-4705

[ ] Contract Services
Ellen Rieser
(347) 396-6629

[ ] Bureau of Human Resources
Ana Perez
(347) 396-2108

[ ] Communicable Diseases
Beth Nivin
(347) 396-2616

[ ] Other _____

You should receive a response from the program/bureau within twenty(20) business days. Please note that there is a fee of 25 cents per page for copies of records. You will be advised by the program/bureau of the fee that is due and, upon receipt of your payment by check or money order, the copies will be forwarded to you.

All inquiries about the status of your request should be made with the program/bureau noted.

Sincerely,

Chari Anhouse/SB.

Chari Anhouse, Esquire
Records Access Officer
42-09 28th Street, CN31
Long Island City, NY 11101
347-396-6078/6116(P)
347-396-6088(F)
recordsaccess@health.nyc.gov

Joseph P. Gavin

From: Theresa Clark <TCLARK@health.nyc.gov>
Sent: Friday, December 21, 2012 3:04 PM
To: Joseph P. Gavin
Subject: RE: NYCDHMH FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point

Received

Theresa Clark
NYC Dept of Health & Mental Hygiene
Office of the General Counsel
42-09 28th Street, 14-41 - CN 30
LIC, NY 11101
347-396-6079 Telephone
347-396-6087/8 Fax

From: Joseph P. Gavin [mailto:jgavin@rouxinc.com]
Sent: Friday, December 21, 2012 3:02 PM
To: recordsaccess
Cc: Theresa Clark
Subject: NYCDHMH FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point

Please see the attached FOIL request for records pertaining to 5 Bay Street, Staten Island, NY - Lighthouse Point
Thank you for your time and assistance with this project.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600
Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

Please consider the environment before printing this e-mail.

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC

ROUX

209 SHAFTER STREET
ISLANDIA, NEW YORK 11749
TEL 631 232-2600 FAX 631 232-9898

FACSIMILE TRANSMITTAL SHEET

To: Records Access Officer
NYC DHMH
42-09 28th Street, 14th Flr. CN31
Long Island City, NY 11101

Fax No. (347) 396-6088
Phone No.
Project No.

Sent by: Joseph Gavin

Date: 12/2/12 Time:

Message: Please see Request for Records Regarding Environmental Concerns pertaining to the property 5 Bay Street (aka 5A, 5B, 5C, 5D Bay Street) Staten Island, NY 10301 (Block 1, Lot 60).

TOTAL NUMBER OF PAGES SENT INCLUDING TRANSMITTAL SHEET 2

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL US AS SOON AS POSSIBLE

PHONE: (631) 232-2600 FAX: (631) 232-9898

Roux Associates' Services

Alternatives to Traditional Remedial Approaches
- Technical Impracticability (TI)
- Constructed Wetlands
- Natural Attenuation/Intrinsic Remediation
- Bioremediation
- Risk Based Corrective Action (RBCA)
- Voluntary Cleanup Programs
- Site Redevelopment/Brownfields

Ground-Water and Soil Investigations
- Phase I/Phase II Investigations
- CERCLA RI & RCRA RFI
- Ground-Water Modeling
- Geophysical Investigations

Litigation Support
- Expert Testimony/Technical Presentations
- Contaminant Source Identification
- Remedial Action Assessments
- Cost Allocation Studies

Remedial Engineering & Design
- CERCLA FS & RCRA CMS
- Conceptual Design/Engineering Design
- Construction Management

Human Health & Environmental Risk Assessments
- CERCLA & RCRA
- Property Transfer Assessments
- Litigation Support/Expert Testimony

Environmental Compliance Services
- Pre-Audit Planning/Audit Evaluations
- Environmental Impact Statements (EIS)
- Pollution Prevention/Waste Minimization

Occupational Health & Safety
- Industrial Hygiene Surveys
- Health & Safety Audits
- Professional Training Programs
- Hazard Communications/Education

This facsimile contains privileged and confidential information intended only for the use of the addressee named above. If you are not the intended recipient of this facsimile, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify us by telephone.

Thank you.

NYC Health

NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE

For office use only
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) 396-6088
recordsaccess@health.nyc.gov

Date 12 / 21 / 17

Dear Record Access Officer:

I, Joseph Gavin request copies of any inspection reports and/or records located in the Bureau of All appropriate offices, 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: Environmental Concerns

Please specify/describe the records you are requesting from the above program(s):
Environmental Concerns Including But not limited to Air Violations, Release/Spills, Investigations or Remedial Action Taken; chemical/Petroleum Storage; Engineering or Institutional Controls; hazardous materials for 5 Bay Street (aka 5A, 5B, 5C, 5D Bay Street) Staten Island, NY 10301 (Block 1, lot 60)

There is a charge of 25¢ per page or actual costs of reproduction, payable in advance.

Requester's Name: Joseph Gavin (Please print) (Signature)

Requester's Organization: Roux Associates Inc

Requester's Address: 209 Shafter Street Islandia, NY 11749
Street City State Zip code

Telephone Number: (631) 232 - 2600 E-mail: JGavin@Rouxinc.com

For more information, please visit: FOIL Requests page.

Joseph P. Gavin

From: McIntyre, Mark <MMcIntyre@cityhall.nyc.gov>
Sent: Wednesday, December 26, 2012 10:52 AM
To: Joseph P. Gavin
Subject: RE: FOIL - 5 Bay Street, Staten Island, NY - Lighthouse Point

Dear Mr. Gavin – This email acknowledges your FOIL request dated December 21, 2012 with regard to documents relating to 5 Bay Street. This office will review its records and anticipates responding to your request by Jan 23, 2013.

Sincerely,

Mark McIntyre

Mark McIntyre
General Counsel
Mayor's Office of Environmental Remediation
o. 212-788-3015/f. 212-788-2941
mmcintyre@cityhall.nyc.gov
nyc.gov/oer

From: Joseph P. Gavin [mailto:jgavin@rouxinc.com]
Sent: Friday, December 21, 2012 3:55 PM
To: McIntyre, Mark
Subject: FOIL - 5 Bay Street, Staten Island, NY - Lighthouse Point

Mr. McIntyre,
Please see the request for records regarding 5 Bay Street, Staten Island, NY – Lighthouse Point.

Thank you, in advance for your assistance.

Best Regards.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com
Cell: 631-245-5887

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600

Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

Joseph P. Gavin

From:	Joseph P. Gavin
Sent:	Friday, December 21, 2012 3:55 PM
To:	'McIntyre, Mark'
Subject:	FOIL - 5 Bay Street, Staten Island, NY – Lighthouse Point
Attachments:	NYCMOER FOIL - 5 Bay Street, Staten Island - Lighthouse Point.pdf

Mr. McIntyre,
Please see the request for records regarding 5 Bay Street, Staten Island, NY – Lighthouse Point.

Thank you, in advance for your assistance.

Best Regards.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com
Cell: 631-245-5887

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600
Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749 TEL 631-232-2600 FAX 631-232-9898

December 21, 2012

Mark P. McIntyre, Esq.
General Counsel
New York City Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, NY 10038

Re: Freedom of Information Request
5 Bay Street
Staten Island, New York 10301
Tax Block 1 – Lot 60

Dear Mr. McIntyre:

Pursuant to the Freedom of Information Act, 5 U.S.C. 552, Roux Associates, Inc. (Roux Associates) hereby respectfully requests copies of all records pertaining to the above-captioned parcel of real property located in the Borough of Staten Island, City and State of New York (Property). The Property is identified in the New York City Tax maps as Tax Block 1, Lot No. 60. More specifically, I am interested in obtaining copies of Phase I ESAs, Phase II ESIs or other such environmental reports typically handled by your Office under the E-Designation and New York City Brownfield Program.

If all the requested records cannot be emailed to me, please inform me of the portions that can be emailed and advise me of the cost for reproducing the remainder of the records, which are tentatively not to exceed $50. If this request is too broad or does not adequately describe the records, please contact me so that I may clarify my request and, when appropriate, inform me of the manner in which records are filed, retrieved, or generated.

If for any reason any portion of this request is denied, please inform me of the reasons for the denial in writing within 20 days and provide the contact information of the person or body to whom an appeal should be directed.

Thank you for your prompt attention to this matter. If you have any questions, you may reach me at 631-232-2600 or at jgavin@rouxinc.com.

Sincerely,

ROUX ASSOCIATES, INC.

Joseph P. Gavin
Project Hydrogeologist

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 32447

JOSEPH GAVIN
*None
209 SHAFTER ST
ISLANDIA, NY 11749

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	5 BAY ST		
*Borough	03 - Staten island		
*Payment Type	02-Check	*Payment No	678
*Data Entered	12/31/2012	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS TO CERTIFY THAT
THIS IS A TRUE COPY OF
THE ORIGINAL DOCUMENT
ON FILE WITH FDNYEMS
SIGNATURE DR

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 12/31/2012 CC
C- 1/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 32448

JOSEPH GAVIN
*None
209 SHAFTER ST
ISLANDIA, NY 11749

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

Search Type Customer Requested	$20 - Motor - Existing & Removed		
Search Address	5 BAY ST		
Borough	03 - Staten island		
Payment Type	02-Check	Payment No.	678
*Data Entered	12/31/2012	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS TO CERTIFY THAT
THIS IS A TRUE COPY OF
THE ORIGINAL DOCUMENT
ON FILE WITH FDNYEMS
SIGNATURE DR

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 12/31/2012 CC
C- 1/3/2013 DR

Joseph P. Gavin

From: Adrienne Asencio <aasencio@lpc.nyc.gov>
Sent: Monday, January 07, 2013 4:03 PM
To: Joseph P. Gavin
Subject: 5 Bay Street

Hi Jonathan Gavin:

I received your request for records for the above address. Please contact Gina Santucci, the Environmental Review Officer for the Landmarks Preservation Commission at 212-669-7822.

Ms. Santucci will assist you in retrieving the information you are seeking for 5 Bay Street.

Thank you.
Adrienne Asencio.

Landmarks Preservation Commission

Adrienne Asencio
Records Access Specialist
1 Centre St., 9th Fl. | New York, NY 10007
p: 212.669.2491 | f: 212.669.3844 | aasencio@lpc.nyc.gov | www.nyc.gov/landmarks

Quick Links!
Check Landmark Status at *NYCityMap*
Application Form | Guidelines for Work on Designated Properties
Designation Reports | Historic District Maps | Request LPC Records

The Landmarks Preservation Commission is responsible for safeguarding the architectural, historical and cultural heritage of New York City

Joseph P. Gavin

From: Adrienne Asencio <aasencio@lpc.nyc.gov>
Sent: Thursday, January 03, 2013 1:18 PM
To: Joseph P. Gavin
Subject: RE: NYC Landmarks Preservation Commission FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point

http://www.neighborhoodpreservationcenter.org/db/bb_files/80-OLDADMINBLDGUSCOASTGRD.pdf

Landmarks Preservation Commission

Adrienne Asencio
Records Access Specialist
1 Centre St., 9th Fl. | New York, NY 10007
p: 212.669.2491 | f: 212.669.3844 | aasencio@lpc.nyc.gov | www.nyc.gov/landmarks

Quick Links!
Check Landmark Status at *NYCityMap*
Application Form | Guidelines for Work on Designated Properties
Designation Reports | Historic District Maps | Request LPC Records

The Landmarks Preservation Commission is responsible for safeguarding the architectural, historical and cultural heritage of New York City

---

From: Joseph P. Gavin [mailto:jgavin@rouxinc.com]
Sent: Thursday, January 03, 2013 1:09 PM
To: Adrienne Asencio
Subject: NYC Landmarks Preservation Commission FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point

Please see the attached request for records for 5 Bay Street, Staten Island, NY - Lighthouse Point.

Regards.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com
Cell: 631-245-5887

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600
Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This

information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

138

Landmarks Preservation Commission
~~November 25, 1980 List 138~~
LP-1112

OLD ADMINISTRATION BUILDING (Third District U.S. Lighthouse Depot)
U.S. Coast Guard Station, 1 Bay Street, Borough of Staten Island.
Built 1868-71; architect Alfred B. Mullett.

Landmark Site: Borough of Staten Island Tax Map Block 1, Lot 55 in part, consisting of the land on which the described building is situated.

On December 11, 1979, the Landmarks Preservation Commission held a public hearing on the proposed designation as a Landmark of the Old Administration Building (Third District U.S. Lighthouse Depot), U.S. Coast Guard Station, (Item No. 18). The hearing had been duly advertised in accordance with the provisions of the law. One witness spoke in favor of designation. There were no speakers in opposition to designation. Letters have been received in favor of designation.

The Commission had previously held a public hearing on the proposed designation of the item as a landmark in 1966.

DESCRIPTION AND ANALYSIS

The three-story granite and red brick Second Empire style building which occupies a central location on the grounds of the former Coast Guard Station at the foot of Bay Street, St. George, Staten Island, has had a long and distinguished history of government service; first as the main office of the Lighthouse Service Depot for the Third Lighthouse District, and later as the Administration Building when the compound became a United States Coast Guard Base.

Well built, of fine design and materials, this building is expressive of the era when, under the direction of Alfred B. Mullett, Supervising Architect of the Treasury Department for nine years from 1865 to 1874, many important and impressive buildings were built by the federal government. Among these were the old State, War, and Navy Department Building located next to the White House in Washington, D.C., a tour-de-force of French Second Empire design, and the huge Second Empire style post offices in New York City and St. Louis, Missouri; the former, located at the foot of City Hall Park, was demolished in 1939, while the latter, now being handsomely restored, is a designated Landmark of St. Louis.[1] The small but beautiful office building at St. George, Staten Island, erected for the U.S. Light-House Service in 1868-1871, clearly shows that A.B. Mullett gave as much thought and attention to buildings of small scale as to larger ones.

Alfred Bult Mullett, who always signed his name "A.B. Mullett," was born April 7, 1843, at Taunton, England. In 1845, his family immigrated to America and settled in Glendale, Ohio. Mullett received his education in Ohio and while a young man, he became very interested in architecture. Subsequently, he traveled abroad where he pursued the study of architecture, returning to the United States in 1860. Soon after that, he began work in the office of Isaiah Rogers, a famous architect, then living in Cincinnati, Ohio.[2]

Rogers, born in Marshfield, Massachusetts in 1810, had been the architect for many buildings of great importance throughout the nation, in particular such fine hotels as the Tremont House in Boston (1829) and the Astor House (1836) at the corner of Broadway and Vesey Street in New York City. Rogers' masterpiece was the Merchant's Exchange on Wall Street, erected between 1836 and 1842. This monumental building with its colonnaded facade and eighty-foot dome cost over one million dollars to build and it replaced the original Exchange (designed by Martin Thompson) which was destroyed by the great New York fire of December, 1835.[3]

In 1862, Isaiah Rogers was appointed to the office of Supervising Architect of the Treasury Department in Washington, D.C., where he completed the west wing of the Treasury Building, following the original plans of Robert Mills. He took Alfred Mullett to Washington to be his assistant and in a letter dated June 3, 1863, Rogers appointed Mullett "to act as Chief of the Office of Construction and Superintendent of the Treasury Extensions (sic) during my absence from the office at any time."[4] Due to the condition of Rogers' health, Mullett assumed many of the duties of the Supervising Architect and he was appointed to that position in 1865 after Rogers had resigned.[5]

With the Civil War just over, and the nation reunited, the federal government undertook many new projects as well as ones which had been postponed. The Office of the Supervising Architect of the Treasury Department was a very busy place. Mullett had to determine the condition of all existing federal government buildings in the United States and plan for their repair, renovation or replacement. Mullett was the first incumbent of his office to keep records and files on the progress of his projects and their cost.[6] Unfortunately, many of these records were heavily damaged in a fire.

Because of the extensive amount of work which passed through the office of the Supervising Architect, it is unlikely that Mullett designed all of the buildings which were erected during his tenure. Many of them were variations on a theme. However, while subordinates did the drafting and possibly some of the planning, the concepts and the responsibility were Mullett's as well as the final approval for the design of any building.

The nine years during which Mullett served as Supervising Architect coincided almost exactly with the American period of popularity of the French Second Empire style of architecture which Mullett advocated so strongly. He could, and did work in other styles. The U.S. Branch Mint in San Francisco (1869-74, his only design in Roman Doric style) was severely classical and quite similar to the Treasury Building in Washington, D.C., on which he had worked while under Isaiah Rogers. A few buildings were in the Italianate style, like the Custom House and Post Office at Cairo, Illinois, (1869-72) but most were in French Second Empire style.

It may be that Mullett developed his preference for Second Empire architecture while visiting Paris in the late 1850s where the best examples of that style literally lined the Avenues for miles. Certainly nothing in America even came close to the great plans developed and executed by Haussmann in the French Capital. Most of Mullett's buildings

were large, even colossal, but a few were small and they had a gem-like perfection which great size could not achieve. The Office Building built 1868-71 for the U.S. Light-House Service at St. George on Staten Island is one of these.

The Light-House Service was established by act of Congress approved August 7, 1789. This act was the ninth law passed by the first Congress and the first provision for any public work.[7] Its purpose was to create a central and unified lighthouse administration to be controlled and supervised by the government of the United States. Prior to 1789, all lighthouses had been owned by the states in which they happened to be. The act of 1789 provided that the United States Government would be responsible for the cost of operating all lighthouses in the country, provided that title to these lighthouses was turned over to the United States within one year from the date of the act. However, it was not until 1797 that all the states had ceded their lighthouses to the United States Government.[8]

The act of 1789 placed the care and administration of the Lighthouse Establishment under the Treasury Department. As the first Secretary of the Treasury, this duty devolved upon Alexander Hamilton. In 1792, the office of Commissioner of Revenue was created and Hamilton assigned responsiblity for lighthouse affairs to that branch. Although under different offices of the Revenue Department at different times, the Light-House Service remained with that department until 1852; the last thirty-three years were under the supervision of Stephen Pleasanton, Fifth Auditor of the Treasury.[9]

By mid-century, administration of the Light-House Service was becoming a burden to the Treasury Department. The number of lighthouses had increased from fifty-five in 1820 to 325 lighthouses and lightships with almost 1,000 buoys, fog-signals, and other aids to navigation.[10] On May 21, 1851, the Secretary of the Treasury appointed a committee headed by Rear Admiral William B. Shubrick to make a thorough investigation of the lighthouse situation. The committee turned in a very comprehensive report, some 760 pages in length, which advised a complete reorganization of the Light-House Service. This led to the law creating the Light-House Board, established on October 9, 1852, which administered the Light-House Service for the next fifty-eight years.[11]

The Light-House Board was instituted as a semi-autonomous body having complete control over Light-House matters, but responsible to the Secretary of the Treasury as President of the Board, ex-officio, for its actions. The first chairman was Admiral Shubrick who, with a brief intermission, served in that capacity for nineteen years. He was succeeded by Professor Joseph Henry, a brilliant scientist and researcher who was also secretary of the Smithsonian Institution in Washington, D.C. Professor Henry was chairman of the Light-House Board for seven years, and the only civilian who ever held that post. Throughout his many years of devoted service, Professor Henry refused to accept any payment whatever.[12]

The Light-House Board divided the United States into twelve lighthouse districts with an inspector and an engineer for each district. The

New York area was in the Third District which included the Atlantic coastline from Maine to Delaware.[13] An office was established in New York City and for some time supplies for lighthouses in the Third District were kept on piers and in warehouses in the city. This arrangement was not very satisfactory for several reasons. More office room was needed than was available and since many of the materials on hand were flammable or explosive, storage was costly and restricted to safe areas. Methods of operating lighthouses had not kept up with scientific discoveries and many nations, particularly the French, were more advanced and better equipped.[14]

The Light-House Board felt that an experimental station should be established where tests of new materials and investigation of new methods could set improved standards to then be applied to all lighthouses in the United States. Admiral Shubrick and Professor Henry, who then headed the experimental department, set out to see how these very special needs could be met. They wanted a location where all functions of the Light-House Service for the Third District could be combined and consolidated, which also had easy access for large ships, and room to erect buildings suited to the needs of the department.

Since 1799, the State of New York had owned a large tract of land at Castleton, later Tompkinsville, which extended along the Narrows on Staten Island. This property was used , originally, for a Marine Hospital and a Quarantine Station. In 1814, the State of New York, with Governor Daniel D.Tompkins as grantor, sold much of this acreage to the United States Government and a section containing about five acres was set aside for use as a Revenue Station for the port of New York.[15] This was actually more land than the Revenue Service needed and, in their search, Admiral Shubrick and Professor Henry decided that it might be possible to locate a Light-House Depot on this part of Staten Island. Their efforts were rewarded in 1863, when the Secretary of the Treasury wrote the following letter:[16]

TREASURY DEPARTMENT

July 13, 1863

Rear Admiral Wm. B. Shubrick
U.S. Navy
Chairman, Light-House Board

Sir:

I have received a letter from the Chairman of a Special Committee of the Light-House Board enclosing a copy of its report adopted by the Board, in reference to the selection of a site for a Light-House Establishment depot in the vicinity of New York.

This report recommends the occupation of a portion of the lot now belonging to this Department on Staten Island, Castleton, N. York, and the transfer to the Treasury Department of a portion ($32,000.) of the appropriation of 3rd March 1863, for a Light-House depot for the improvement of the property, erection of a sea-wall &c, &c.

This recommendation meets my approval, and instructions have been given to the supervising architect of the Treasury Department

to make the necessary steps to carry into execution the improvements designated in his letter of the 24th ulto - and accompanying plan - copies of which are enclosed herewith.

The Department hereby assigns to the Light-House Board, and for its permanent use and occupation for the purposes above named, so much of its lot on Staten Island as lies north of the dotted line on the map or plat containing about 2½ acres.

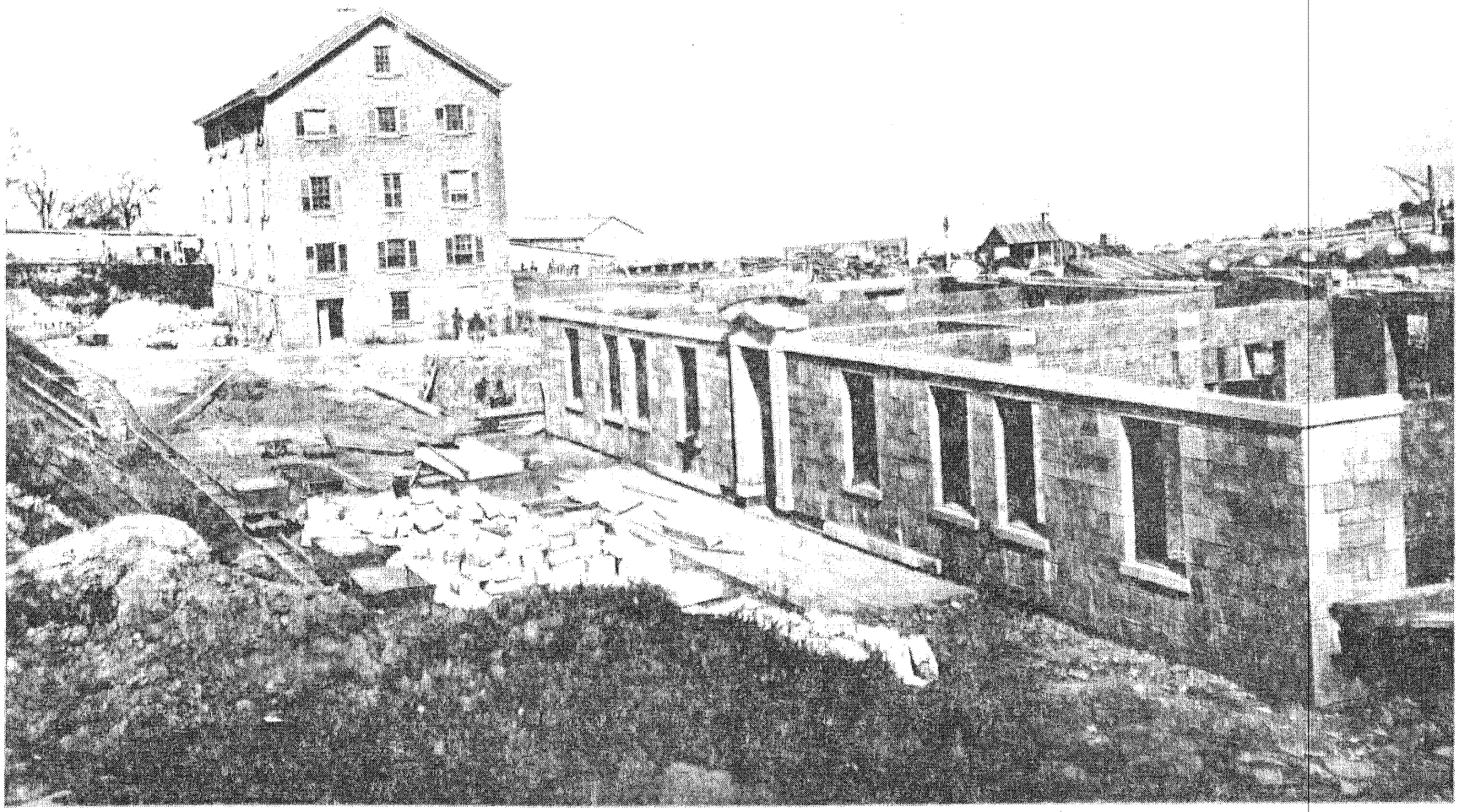
I am, very respectfully,
(signed) S.P. Chase
Secretary of the Treasury

An 1866 map of the Marine Hospital Grounds in the Town of Castleton, Staten Island, New York, surveyed by J. Nelson Tubbs, Civil Engineer, by direction of J.P. Goodsell, State Engineer and Surveyor, shows the grounds of the Revenue Station roughly divided in half with the Revenue Service and the Light-House Service each having a residence for a superintendent, an office, a storehouse, and a pier.[17] Plans were afoot to move the Revenue Service to Manhattan and, in 1868, this was done after an office at 28 Pine Street was fitted up for them.

In May, 1867, in anticipation of taking over the entire station, the Acting Light-House Engineer, Joseph Lederle, drew a map showing the existing buildings and those which were proposed including a large brick workshop to have a cooper shop on the first floor, space for lampmakers on the second floor, and laboratories for testing oil and other experiments on the third floor.[18] Other work included vaults to contain oil, new sheds for storage, and a much needed office building. Mullett in his capacity as Supervising Architect was responsible for the design.

A photograph taken in the spring of 1868 shows the workshop, referred to as the "lamp-shop," under construction with stone walls carried up to the second floor level. The spot later occupied by the Office Building is shown stacked high with bricks waiting to be used for the upper floors of the lamp-shop. This building is still standing with the date 1868 carved on a stone above the doorway. The next building to be built at the Light-House Depot was the "Office Building," the subject of this designation. Beginning with the year 1868, the Annual Reports of the Light-House Board describe the progress made with the construction of the Office Building as follows:[19]

Annual Report for 1868: "Office Building - At present the offices connected with the service of this depot (Staten Island) and of the Third District, are located in the storehouse, a building which is not fireproof, and wherein is usually stored something like a half million Dollars' worth of Light-House supplies and apparatus, besides records which could not be replaced. No fire should be permitted in or about this building, and to avoid the necessity which now exists, a fireproof building for offices, and for the preservation of archives, should be built after the design long since approved as part of this establishment. For this building the foundation has been laid, and the walls carried up to the water table, where the work will probably stop for a year, unless an appropriation for its continuance is specifically made, as it is not thought the general fund for the support of the Light-House establishment during this year and the next can afford a larger



The Third District Light-House Depot in 1868

Upper Left: The Storehouse
Foreground: The Lamp-Shop under construction
Center: Site of Office Building

Photo Credit:
National Archives

draft upon it than that required for the completion of the workshops."

Annual Report for 1869: "The work on the office building has been continued. The first story is nearly completed, and the iron beams of the second floor are laid. It is expected that the building will be roofed in before winter fairly begins."

Annual Report for 1870: "Building for offices - In last year's report it was stated that the first story of the building was completed and the iron beams of the second floor laid. Since then the second story and the iron roof were put up, the sleting and tinning completed, the iron stairs set, and the stone sidewalk laid. The inner partitions are all up, and the iron beams arched over with brick. To complete the building there are yet required the furring and plastering, flooring, sashes and shutters, heating apparatus, doors, painting &c."

Annual Report for 1871: "Building for offices - The work on this building having been suspended for more than one year for want of funds, has been resumed, and the structure will be completed and ready for occupation by November."

The French Second Empire style office building as completed in 1871, was the square portion which now forms the center section of the structure and it was constructed of the best materials. The foundations and the stone trim are of a pale grey granite liberally streaked with veins of pink and flecked with tiny specks of black. The walls are of red sandstone and hard-pressed red brick of excellent quality, while the mansard roof is covered with dark grey imbricated slates arranged in a hexagonal design - a most striking combination of colors and materials, now concealed beneath white paint. It is interesting to note that when the wings were added in 1901, the original Second Empire design (executed in the same materials) was used throughout except for the windows, where one-over-one sashes popular at the turn-of-the-century were substituted for the two-over-four sashes of the 1860s. The foundations up to and including the water table are of rock-faced granite as are the window enframements, the quoins at the corners, the belt course at second floor level, and the square stone porch at the main entrance. The walls of the first story are constructed of random ashlar blocks of red sandstone while those of the second story, above the granite belt course, are of hard-pressed red brick laid in a running bond. Originally, the building presented the same basic arrangement of openings on all four sides. The front having a centered entrance with a single window above and paired windows at the sides on both first and second floors; the rear, identical, but without a porch at the entrance; and the sides with the same design, except that all openings were windows. All windows contained two-over-four sashes which are still in place. Each of the four sides of the sloping mansard roof had three metal-framed, flat-topped dormer windows with two-over-four sashes and decorative "Flemish" scrolls at the base where the enframements met the roof at the eaves, just above the wide cornice which contained a metal-lined gutter atop a wooden frieze decorated with long and short horizontal wooden panels. There was a small square cupola in the center of the roof to aid in ventilating the building.

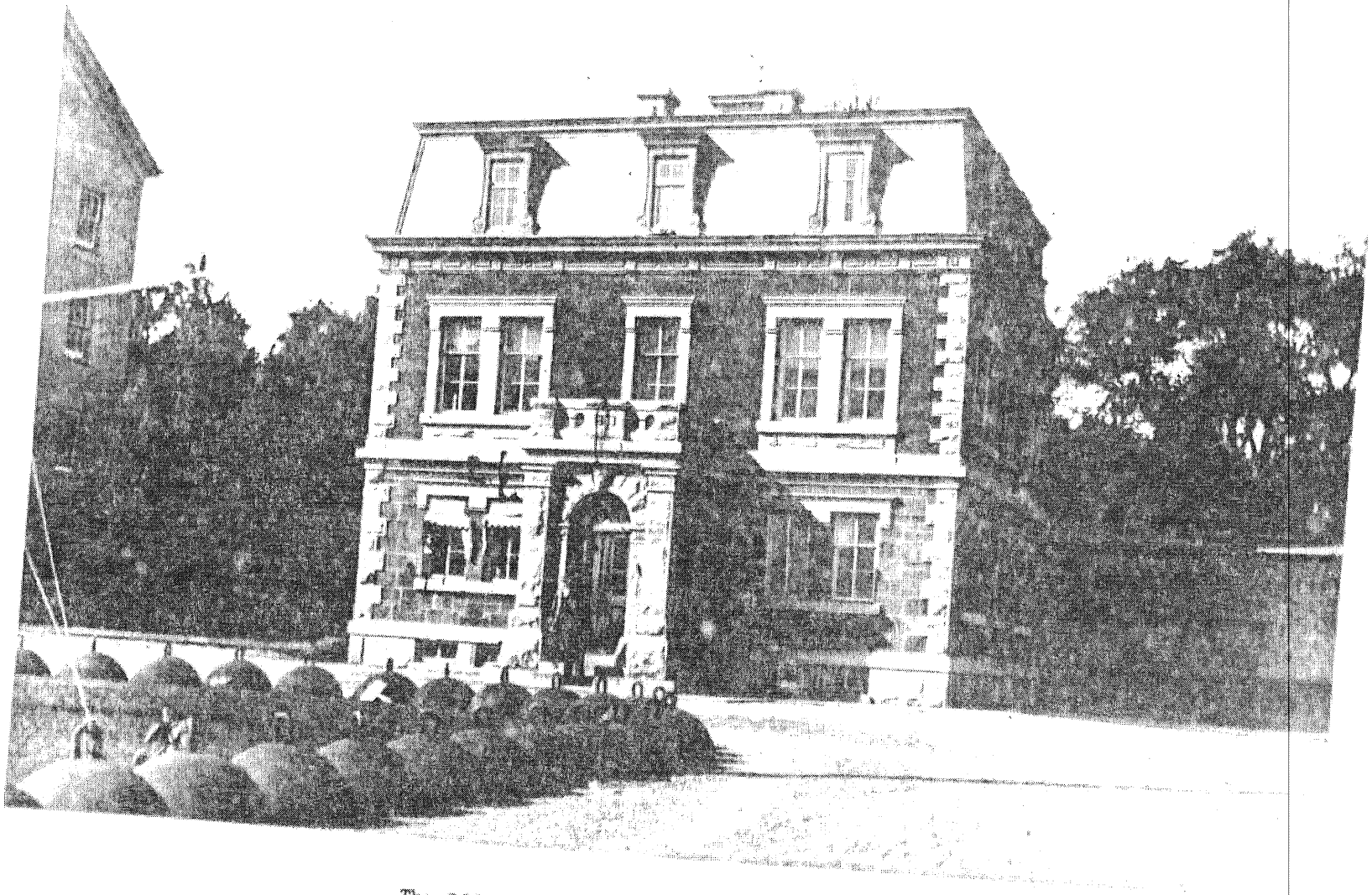


Photo Credit:
National Archives

The Office Building of the Third District
U. S. Lighthouse Depot
as completed in 1871

Architect:
Alfred B. Mullett

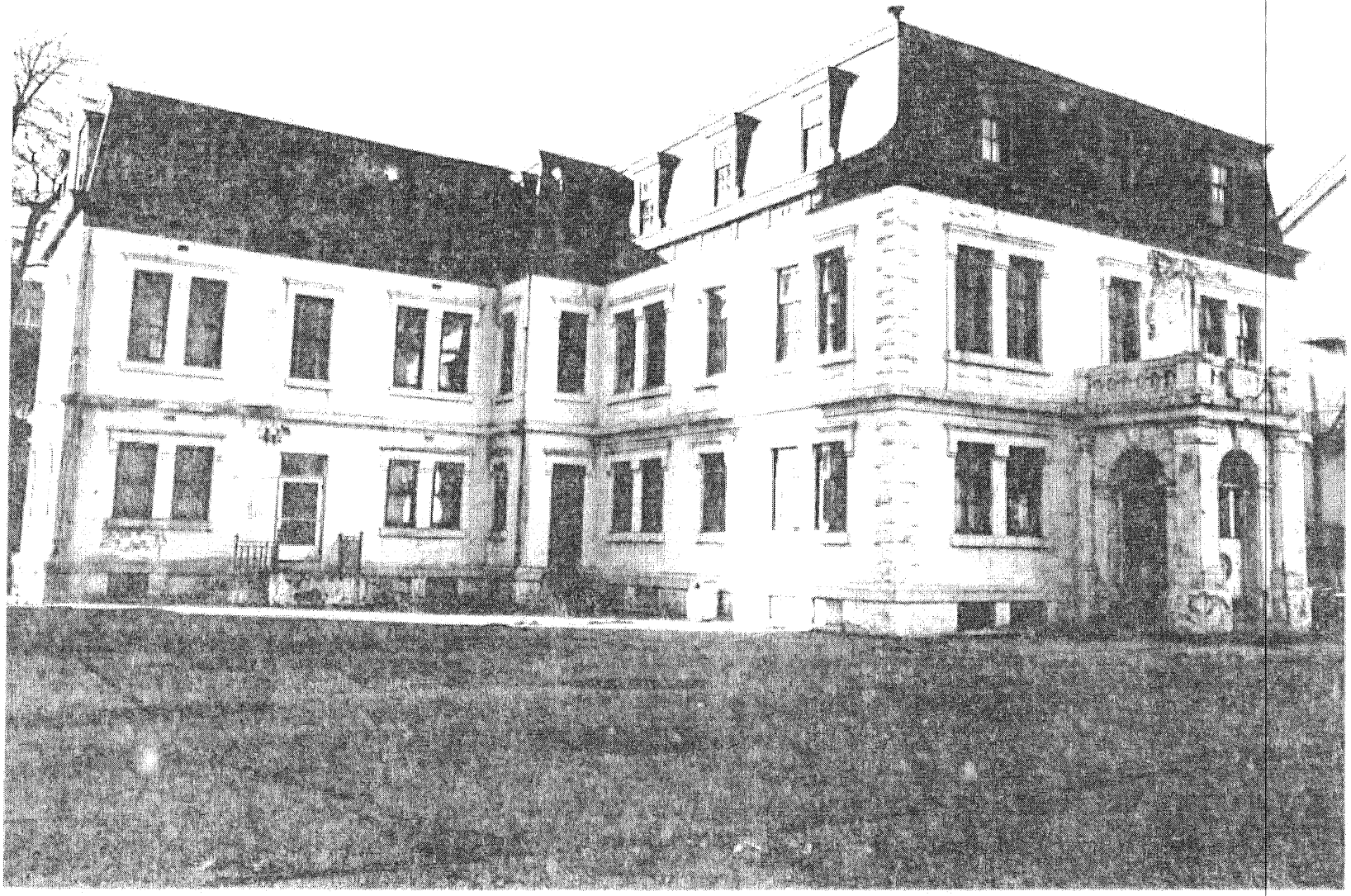
Today, the front facade remains totally undisturbed. The sides have been altered toward the rear where the wings added in 1901 attach themselves to the original building by the device of small square entrance bays which fill the corners and rise the full height of the building. The rear of the original building is now engulfed by the long south side of the addition, and the cupola has been removed. The square stone porch at the entrance, always a conspicuous feature, remains unaltered although the original doors have been removed. It is built entirely of rock-faced granite with wide pilasters at the corners which support the roof and the low stone parapet above it. In the center of the railing above the entrance is an oblong stone tablet bearing the date 1869. Each of the three sides of the porch contains a round-arched opening which formerly had a demi-lune glass transom and a pair of tall wooden doors. These openings are indented just enough behind the plane of the pilasters at the sides to lend a sense of lightness to a rather bulky composition. The great charm of the original building was that it had an intimate - almost domestic - feeling which was lost when the wings were added. However, even with the wings, when compared to the storehouse and the lamp-shop which flank it, the Office Building is still a small-scale structure.

On July 1, 1903, the Light-House Board was transferred from the Treasury Department to that of Commerce and Labor and subsequently was re-organized as the Bureau of Lighthouses on July 1, 1910. The functions of the Bureau of Lighthouses were taken over by the U.S. Coast Guard on July 1, 1939, at which time the Office Building of the Light-House Service at St. George, Staten Island, became the Administration Building of the Coast Guard Station located there.[20] In 1966, the U.S. Coast Guard Station for the Third District moved from Staten Island to Governor's Island which had just been vacated by the Army and after a century of continuous service, the Staten Island facility was closed, to become surplus Government property.

The Old Administration Building at St. George, Staten Island, constructed 1868-71, which for nearly seventy years served as the Office Building for the Light-House Depot, is a splendid example of a small-scale government building in French Second Empire style designed during the tenure of Alfred B. Mullett, as Supervising Architectof the Treasury Department. Built of superior materials and enlarged in 1901 using the original Second Empire design, the Old Administration Building typifies an era when government buildings had great symbolic importance and architectural distinction was an essential part of that quality.

Report Prepared by
James E. Dibble,
Senior Landmarks Preservation Specialist
Research Department

Typing done by
Barbara Sklar



East Wing 1901

Photo Credit:
William Kushnick

The Old Administration Building
No. 1 Bay Street, St. George, Staten Island
as it looks today
- 1980 -

Original Building
1868-71

Architect:
Alfred B. Mullett

FOOTNOTES

1. Incredible as it may seem, these two post offices cost between nine and ten million dollars each when they were built in the 1860s and 1870s. This was because of the extremely fine quality of the building materials and the great pains taken to see that the buildings were solidly constructed and fireproof. In spite of the high cost of these buildings, there does not seem to have been any indications of graft or scandal on Mullett's part other than the implication that he had created a bonanza for suppliers of granite. The thought which Mullett put into these post office designs is illustrated by the fact that he built into them below-ground receiving stations for delivery of mail by underground railroad, thus anticipating by several years a means of transportation which did not exist when the buildings were built.

2. Henry F. Withey, A.I.A. and Elsie Rathburn Withey, Biographical Dictionary of American Architects (Los Angeles: Hennessey & Ingalls, Inc. 1970), p. 432.

3. The Merchant's Exchange, now the First National City Bank at 55 Wall Street, is a designated New York City Landmark (LP-0040). The lower portion of the bank was built for the Merchant's Exchange as a fireproof building replacing the old Exchange building which burned in the Great Fire of 1835. The new Merchant's Exchange was designed by Isaiah Rogers, architect of several fine Greek Revival hotels. In 1862, this building became the United States Custom House. When the Custom House moved to the Battery, the Exchange was acquired by the National City Bank and in 1907, the upper portion of the building was added from designs by McKim, Mead & White, the outstanding firm of architects of that day.

4. Microfilm letters of the Treasury Department, National Archives, Washington, D.C. Roll 6; June 3, 1863.

5. Isaiah Rogers had a history of acute heart attacks and he died as the result of one in 1869.

6. Lawrence Wodehouse "Alfred B. Mullett and His French Style Government Buildings," Journal of the Society of Architectural Historians, 31 (March 1972), 23.

7. The Public Statutes at Large of the United States of America, edited by Richard Peters, Esq. (Boston: Little, Brown & Co. 1853), Vol. 1, p. 53.

8. George Weiss, The Lighthouse Service. Its History, Activities and Organization (Baltimore: The Johns Hopkins Press. 1926) pp. 2-3.

9. Weiss, pp. 3-4.

10. Weiss, p. 10.

11. George R. Putnam, Lighthouses and Lightships of the United States. (Cambridge: The Riverside Press, 1933), p. 43.

12. Dictionary of American Biography, edited by Dumas Malone (New York: Charles Scribner's Sons. 1964), Vol. V, pp. 550-553.

13. Prior to 1789, there were ten lighthouses in the area which was to become the Third Lighthouse District. One of these was probably the first on the American continent; built in 1716 by the Province of Massachusetts on Little Brewster Island at the entrance to Boston Harbor. Another was the well known Sandy Hook Light at the entrance to New York Bay, built in 1764.

14. The French physicist, Augustin Fresnel, beginning in 1822, revolutionized lighthouse practice by developing a built-up annular lens comprised of a central spherical lens surrounded by rings of glass prisms. This was a great improvement over anything used previously. The first Fresnel lens in the United States was installed at Navesink Light in 1841, but up to 1853, only five stations were equipped with Fresnel lenses. After the organization of the Light-House Board, lenticular apparatus was rapidly introduced, and by 1860, practically all lighthouses in the United States were equipped with these lenses.

15. Deed from the State of New York to the Government of the United States. Records of the Third Lighthouse District, National Archives, Washington, D.C.

16. Records of the Third Lighthouse District, National Archives, Washington, D.C.

17. Records of the Third Lighthouse District, National Archives, Washington, D.C.

18. Records of the Third Lighthouse District, National Archives, Washington, D.C.

19. Annual Reports of the Light-House Board for the years 1868-1871. National Archives, Washington, D.C.

20. Herbert B. Reed, "Joseph Henry and Lighthouse Board Activities on Staten Island," The Staten Island Historian, 28 (January-March 1967), 5.

FINDINGS AND DESIGNATIONS

On the basis of a careful consideration of the history, the architectural and other features of this building, the Landmarks Preservation Commission finds that the Old Administration Building has a special character, special historic and aesthetic interest and value as a part of the development, heritage and cultural characteristics of New York City.

The Commission further finds that, among its important qualities, the Old Administration Building is a splendid example of a small-scale government building in French Second Empire style designed during the tenure of Alfred B. Mullett, as Supervising Architect of the Treasury Department; that it was well built of superior materials; that completed in 1871, it was enlarged in 1901, using the original Second Empire design; that it has had a long and distinguished history of government service, first as the Office Building of the Lighthouse Service Depot for the Third Lighthouse District, and later as the Administration Building when the compound became a United States Coast Guard Base; and that the Old Administration Building typifies an era when government buildings had great symbolic importance and architectural distinction was an essential part of that quality.

Accordingly, pursuant to the provisions of Chapter 21 (formerly Chapter 63) of the Administrative Code of the City of New York, the Landmarks Preservation Commission designates as a Landmark the Old Administration Building, 1 Bay Steeet, St. George, Borough of Staten Island, and designates Tax Map Block 1, Lot 55 in part as its Landmark Site.

BIBLIOGRAPHY

Annual Reports of the Light-House Board. 1868, 1869, 1870, 1871
Records of the Third Lighthouse District
National Archives, Washington, D.C.

Dictionary of American Biography. Vol. 5. New York:
Charles Scribner's Sons, 1964.

Guide to the National Archives of the United States. Washington, D.C:
General Services Administration, 1974.

Putnam, George R. Lighthouses and Lightships of the United States.
Cambridge: The Riverside Press, 1933.

Reed, Herbert B. "Joseph Henry and Lighthouse Board Activities on Staten
Island" The Staten Island Historian. Vol. 28. (January-March)
1967.

Weiss, George. The Lighthouse Service, Its History, Activities and
Organization. Baltimore: The Johns Hopkins Press. 1926.

Withey, Henry F. and Withey, Elise Rathburn. Biographical Dictionary of
American Architects. Los Angeles: Hennessey & Ingalls, Inc.
1970.

Wodehouse, Lawrence. "Alfred B. Mullett and His French Government Build-
ings" Journal of the Society of Architectural Historians. Vol.
31. 1972.

Wodehouse, Lawrence. American Architects from the Civil War to the First
World War. Detroit: Gale Research Co. 1976.

Joseph P. Gavin

From: Joseph P. Gavin
Sent: Thursday, January 03, 2013 1:09 PM
To: 'aasencio@lpc.nyc.gov'
Subject: NYC Landmarks Preservation Commission FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point
Attachments: NYC Landmarks Preservation Commission FOIL request for 5 Bay Street, Staten Island, NY - Lighthouse Point.pdf

Please see the attached request for records for 5 Bay Street, Staten Island, NY - Lighthouse Point.

Regards.

Joseph P. Gavin
Project Hydrogeologist
Email: jgavin@rouxinc.com
Cell: 631-245-5887

Roux Associates, Inc.
209 Shafter St
Islandia, NY 11749
Voice 631-232-2600
Fax 631-232-9898
Website: http://www.rouxinc.com

We solve our clients' most challenging environmental problems.

NOTICE: This electronic communication, including any authorized attachments, contains information that may be legally privileged, protected, confidential and/or exempt from disclosure or certain types of use under applicable law. This information is for the sole use of the intended recipient(s). If you are not the intended recipient(s) or the employee or agent responsible for delivery of this message to the intended recipient(s), you are hereby notified that any review, use, disclosure, copying, distribution or the taking of any action in reliance on the contents of this e-mail or any attachments is strictly prohibited. You are further advised that review by an individual other than the intended recipient(s) shall not constitute a waiver of any attorney-client privilege which may apply to this communication. If you have received this communication in error, please notify the sender immediately by return e-mail, permanently delete this e-mail and any attachments from all computers on which they may be stored and destroy any print-outs of this email and any attachments.

Municipal Building
1 Centre Street, 9th Floor North
New York, NY 10007
Tel: 212-669-7700
Fax: 212-669-3844
info@lpc.nyc.gov
www.nyc.gov/landmarks

Landmarks Preservation Commission

RECORDS ACCESS REQUEST

DATE: 1/3/13

OFFICE USE ONLY: _____

NAME Joseph Gavin	TELEPHONE 631-232-2600
EMAIL ADDRESS JGavin@Roux-inc.com	FAX
AFFILIATION Roux Associates, Inc.	REPRESENTING
ADDRESS 209 Shafter Street	APT./STE./FLR.
CITY, STATE Islandia NY	ZIP CODE 11749

SUBJECT OF INQUIRY

5 Bay Street (aka 5A, 5B, 5C, 5D Bay Street)
SITE NAME OR ADDRESS (National Lighthouse Center and Museum)

Staten Island. | 1 | 60
BOROUGH | BLOCK | LOT

MATERIALS REQUESTED *PLEASE CHECK*

	PERMIT COPY (Docket # _____ / Permit # _____)	✓	DESIGNATION REPORTS
	FILES RELATED TO BUILDING ALTERATION (Docket # _____ / Permit # _____)		ARCHAEOLOGICAL REPORTS
✓	VIOLATIONS RECORDS	✓	PRE-DESIGNATION RESEARCH FILES
	PUBLIC HEARING TAPES		DESIGNATION PHOTOS
✓	ENVIRONMENTAL REVIEW RECORDS		OTHER:

IF UNSURE, PLEASE DESCRIBE REQUEST _____

PURPOSE OF INQUIRY To Review and obtain Records Regarding above address for Phase I Environmental Site Assessment

I would like to schedule an appointment at a mutually convenient time. I can be reached at the telephone number or address provided above. By signing this form, I agree to observe the procedures for use of Landmarks Preservation Commission materials as described by Commission staff.

SIGNATURE _____ DATE 1/3/13

REQUESTS ARE TYPICALLY ANSWERED WITHIN TWO TO FOUR WEEKS. THE RECORDS OFFICER WILL CONTACT YOU TO MAKE AN APPOINTMENT, IF NECESSARY. IF YOU HAVE QUESTIONS ABOUT THIS FORM, PLEASE CONTACT US AT 212-669-2491.

New York City Department of Finance
Office of the City Register

HELP

[Click help for additional instructions]
Selecting a help option will open new window

Current Search Criteria:

Borough: STATEN ISLAND / RICHMOND
Block: 1
Lot: 60
Date Range: To Current Date
Document Class: All Document Classes

Search Results By Parcel Identifier

No Records Found Max Rows 10 [Search Options] [New BBL Search] [Edit Current Search] [Print Index]

View	Borough	Block	Lot	Partial	Recorded / Filed	Document Type	Pages	Party 1	Party 2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount

No records were found that matched your search criteria.

Search Options | New Parcel Identifier Search | Edit Current Search | View Tax Map

Go To: Finance Home Page | NYC.gov Home Page | Contact NYC.gov | FAQs | Privacy Statement | Site Map

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

5 BAY STREET		**STATEN ISLAND 10301**		**BIN# 5131766**	
BAY STREET	5 - 5	**Health Area**	: 500	**Tax Block**	: 1
		Census Tract	: 3	**Tax Lot**	: 60
		Community Board	: 501	**Condo**	: NO
		Buildings on Lot	: 7	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information

Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

C of O PDF Listing for Property

Premises: 5 BAY STREET STATEN ISLAND **BIN: 5131766 Block: 1 Lot: 60**

Download the **Adobe Acrobat Reader** if you are unable to open the PDF files

To report a problem with any of these images, please use the **CO Image Problem Form**

THERE ARE NO CERTIFICATES OF OCCUPANCY ON FILE FOR THIS ADDRESS

Back

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Complaints By Address

Click here for information on how to remove a Stop Work Order from your property

Page: 1 of 1

2 Total Complaints

View SWO Complaints **BIN: 5131766**

Looking for a list of complaint category codes or disposition codes?
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
5095118	5 BAY STREET	12/01/2011	23	12/05/2011	I2	RES
5085584	5 BAY STREET	06/05/2010	83	07/12/2010	I1	RES

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Overview for Complaint #:5095118 = RESOLVED

Complaint at: 5 BAY STREET **BIN:** 5131766 **Borough:** STATEN ISLAND **ZIP:** 10301

Re: CALLER STS THAT THEY DO NOT HAVE A PERMIT FOR THE SCAFFOLDING THAT IS ERRECTED

Category Code: 23 SIDEWALK SHED/SUPPORTED SCAFFOLD/INADEQUATE/DEFECTIVE/NONE/NO PMT/NO CERT

DOB District: N/A
Special District: SG - ST. GEORGE

Assigned To: SCAFFOLD UNIT **Priority:** B

Received: 12/01/2011 16:32 **Block:** 1 **Lot:** 60 **Community Board:** 501
Owner: DEPT OF SMALL BUSINESS SERVICE

Last Inspection: 12/05/2011 - - BY BADGE # 2452
Disposition: 12/05/2011 - I2 - NO VIOLATION WARRANTED FOR COMPLAINT AT TIME OF INSPECTION
Comments: NO SCAFFOLDING AROUND BUILDING AT TIME OF INSPECTION

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC.gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Overview for Complaint #:5085584 = RESOLVED

Complaint at: **5 BAY STREET** **BIN:** 5131766 **Borough:** **STATEN ISLAND** **ZIP:** **10301**

Re: CLR STS THEIR OPERATING CONTRARY TO APPROVED PLANS THEREPERMIT FOR ASSEMBLY BUT THEIR NOT COMPLY TO THE PERMIT

Category Code: 83 CONSTRUCTION -CONTRARY/BEYOND APPROVED PLANS/PERMITS

DOB District: N/A
Special District: SG - ST. GEORGE

Assigned To: STATEN ISLAND BOROUGH OFFICE **Priority:** B

Received: 06/05/2010 13:29 **Block:** 1 **Lot:** 60 **Community Board:** 501
Owner: DEPARTMENT OF BUSINESS SERVICE

Last Inspection: 07/12/2010 - - BY BADGE # 2186
Disposition: 07/13/2010 - I1 - COMPLAINT UNSUBSTANTIATED BASED ON DEPARTMENT RECORDS
Comments: PERMITS OBTAINED UNDER 15 BAY STREET

Complaint Disposition History

Disposition Date	Disposition Code	Disposition	Inspection By	Date

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

NO RECORDS FOUND

5 BAY STREET
BAY STREET 5 - 5

STATEN ISLAND 10301

Health Area	: 500
Census Tract	: 3
Community Board	: 501
Buildings on Lot	: 7

BIN# 5131766

Tax Block	: 1
Tax Lot	: 60
Condo	: NO
Vacant	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

NO PREVIOUSLY ISSUED PERMITS FOUND FOR THIS PROPERTY

5 BAY STREET		**STATEN ISLAND 10301**		**BIN# 5131766**	
BAY STREET	5 - 5	**Health Area**	: 500	**Tax Block**	: 1
		Census Tract	: 3	**Tax Lot**	: 60
		Community Board	: 501	**Condo**	: NO
		Buildings on Lot	: 7	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

NO PLUMBING INSPECTIONS COMPLETED FOR THIS PROPERTY

5 BAY STREET		**STATEN ISLAND 10301**		**BIN# 5131766**	
BAY STREET	5 - 5	**Health Area**	: 500	**Tax Block**	: 1
		Census Tract	: 3	**Tax Lot**	: 60
		Community Board	: 501	**Condo**	: NO
		Buildings on Lot	: 7	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

NYC Buildings

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

NO BOILER RECORDS FOUND FOR THIS PROPERTY

5 BAY STREET		**STATEN ISLAND 10301**		**BIN# 5131766**	
BAY STREET	5 - 5	**Health Area**	: 500	**Tax Block**	: 1
		Census Tract	: 3	**Tax Lot**	: 60
		Community Board	: 501	**Condo**	: NO
		Buildings on Lot	: 7	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents View Challenge Results View Certificates of Occupancy

Cross Street(s):	BOROUGH PLACE		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:	L - LANDMARK	**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: SG - ST. GEORGE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	Yes	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	

Department of Finance Building Classification: Y7-GOVERNMENT INSTAL

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	2	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	0	
ARA / LAA Jobs	0	
Total Jobs	0	
Total Actions	0	

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

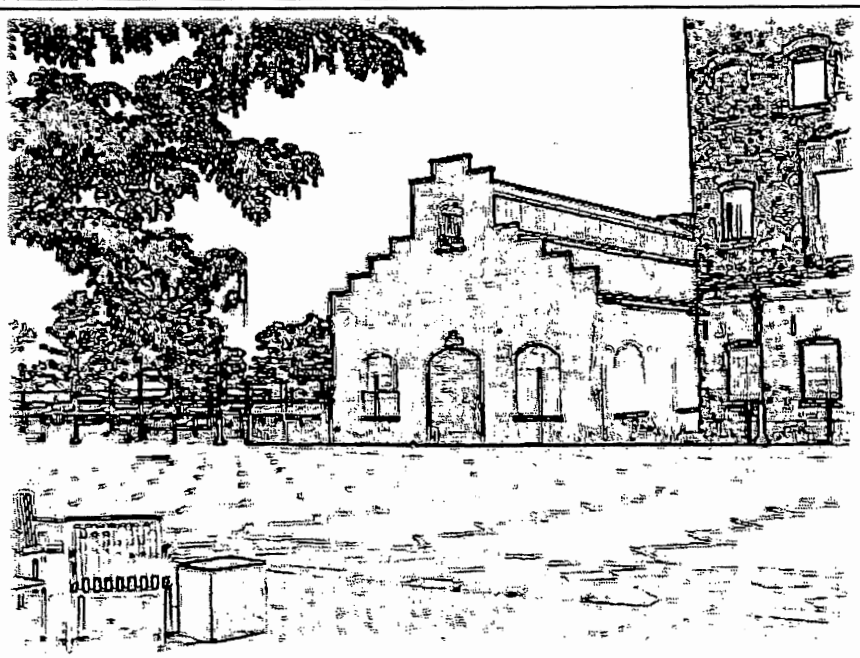
If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

APPENDIX J

User Provided Information

National Lighthouse Center and Museum
Staten Island, NY

Phase I
Environmental Site Assessment



Prepared by:
Sandstone Environmental Associates, Inc.
411 Union Avenue
Middlesex, NJ 08846

Under subcontract to:
Philip Habib & Associates
404 Park Avenue South
New York, NY 10016

Prepared for:
NYC Economic Development Corporation
110 William Street
Floor 6
New York, NY 10038

October 1999

TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1

2.0 SUMMARY OF PREVIOUS ENVIRONMENTAL ASSESSMENTS 5

3.0 CURRENT SITE CHARACTERISTICS 7

- 3.1 Ownership and Location 7
- 3.2 Site Description and Operations 7
- 3.3 Information from Previous Studies 7
- 3.4 Site Reconnaissance 20
  - 3.4.1 Exterior Observations 20
  - 3.4.2 Interior Observations 22
  - 3.4.3 Summary of Interior and Exterior Observations 25
- 3.5 Site Utilities 25
- 3.6 Radon 26
- 3.7 Asbestos 26
- 3.8 Lead Paint 29
- 3.9 Site Hydrology and Geology 30
  - 3.9.1 Geological Conditions 30
  - 3.9.2 Groundwater Conditions 31
  - 3.9.3 Surface Water Characteristics 31

4.0 CURRENT AREA CHARACTERISTICS 32

- 4.1 Area Characteristics 32
- 4.2 Area Utilities 32
- 4.3 Abutting Properties 32
- 4.3 Land Uses in Proximity to Site 33

5.0 SITE HISTORY 34

- 5.1 Information from Previous Studies 34
- 5.2 Historical Sanborn Fire Insurance Maps 36
- 5.3 Historical Aerial Photographs 38
- 5.4 Historical City Directories 38
- 5.5 Chain of Ownership 39
- 5.6 Government Contacts 39
  - 5.6.1 New York City Department of Health 39
  - 5.6.2 New York City Department of Environmental Protection 39

5.6.3 New York City Fire Department....39
5.6.4 New York State Department of Environmental Conservation....39
5.6.5 U.S. Environmental Protection Agency....39
5.7 Interviews....40
5.7.1 NYC Economic Development Corporation....40
5.7.2 NYC Department of Transportation....40
5.7.3 Johansson and Walcavage, Landscape Architects....40
5.7.4 J.H. Polorny Associates, Inc....40

6.0 AREA HISTORY....41

6.1 Historical Sanborn Fire Insurance Maps....41
6.2 Historical Aerial Photographs....43
6.3 Historical Topographic Maps....44
6.4 Historical City Directories....44
6.5 Previous Studies....45

7.0 SITE REGULATORY INFORMATION....47

7.1 Federal Records....47
7.1.1 National Priorities List (NPL)....47
7.1.2 Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List....47
7.1.3 Resource Conservation and Recovery Information System (RCRIS) List....48
7.1.4 Emergency Response Notification Systems (ERNS) List....48
7.2 State of New York Records....49
7.2.1 Petroleum Bulk Storage Database....49
7.2.2 Spills Information Database....51
7.2.3 Facility Register....55
7.2.4 Inactive Hazardous Waste Disposal Sites List....55
7.2.5 Chemical Bulk Storage Database (CBS)....55
7.2.6 Major Oil Storage Facilities Database....56

8.0 CONCLUSIONS AND RECOMMENDATIONS....57

8.1 Findings....57
8.1.1 Lot 60....57
8.1.2 Lot 70....58
8.2 Recommendations....58
8.2.1 Lot 60....58
8.2.2 Lot 70....59

9.0 REFERENCES....60

9.1 Documents....60

9.2 Personal Communications 61

10.0 LIMITATIONS 64

List of Tables

Table ES-1 Selected Site Characteristics ES-4
Table 1 Square Footage of Buildings 20
Table 2 Summary of Lead-Based Paint Sample Analytical Results 30

List of Figures

Figure 1 General Location Map 3
Figure 2 Block and Lot Numbers 4
Figure 3 Site Plan 10
Figure 4 Building 6 11
Figure 5 Building 7 13
Figure 6 Building 8 15
Figure 7 Building 10 17
Figure 8 Building 11 18
Figure 9 The Vaults 19
Figure 10 1987 NYCDOT Map 27
Figure 11 Former Adjacent Buildings 46

Appendices

Appendix A: Historical Sanborn Fire Insurance Maps
Appendix B: Site Photographs
Appendix C: Historical Aerial Photographs
Appendix D: Correspondence
Appendix E: Regulatory Database Report

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Sandstone Environmental Associates, Inc., (SEA) has prepared a Phase I Environmental Site Assessment (ESA) of the property located at the St. George Coast Guard Base, Staten Island, New York for the NYC Economic Development Corporation (EDC). (Figure 1 in Section 1 shows the site location.) This work effort conforms to the requirements in the American Society for Testing and Standards (ASTM) Standard Practice E 1527-97.

The subject property is listed in the borough of Staten Island tax records as Block 1, Lots 60 and 70 (see Figure 2 in Section 1). However, the following portions of these lots are *excluded* from the subject site:

- A roadway/walkway, constructed in 1995, leading from the north entrance of Lot 60 through the site to a waterfront esplanade and the southern site boundary, constructed in 1995.

- The ferry maintenance building on the eastern, waterfront portion of Lot 60, which is under the jurisdiction of the New York City Department of Transportation (NYCDOT.

- The northern pier on Lot 70, which is also part of the adjacent property owned by the NYCDOT.

The portion of Lot 60 which constitutes the subject site includes a vegetated upland area, six buildings in a state of disrepair, and six underground storage vaults built into the hillside. The buildings have been vacant since 1982. The south pier on Lot 70 is a part of the subject; it is an 850-foot long pier used by the NYCDOT for storage and docking of buoy tenders. Overall, the subject property has an area of about 10 acres, which includes footage on each floor of the buildings.

Previous site occupants included the:

- Marine quarantine facility (early 1800s-1863);
- U.S. Lighthouse Service Depot (1863-1939);
- U.S. Coast Guard (1939-1966); and
- NY Harbor Pilot's Association (1966-1982)

With respect to the history of the subject property, aerial photographs from 1953, 1966, 1975, 1984, and 1995 were reviewed. Historical USGS topographic maps included the years 1897, 1925, 1955, 1967, and the 1981 update to the 1967 map. Sanborn fire insurance maps wee reviewed for the years 1898, 1917, 1937, 1950, 1977, 1981, and 1991 through 1996. A title search conducted by Ameristar for 1940 through 1999 found there have been no environmental

liens on the property. City directories for 1971, 1976, 1981, 1986, 1990, and 1999 provided little additional information.

Written requests for information regarding spills or hazardous materials incidents and environmental issues at or around the subject property were sent to the New York City Departments of Health and Environmental Protection, (NYCDOH, NYCDEP) the New York City Fire Department, the New York State Department of Environmental Conservation (NYSDEC), and the U.S. Environmental Protection Agency (EPA). No records of investigations at the site were found by the state and city agencies.

SEA representatives conducted site inspections on August 5, 1999 and August 19, 1999. The buildings are in poor condition due to vandalism and infiltration of rainwater through broken windows and damaged roof areas. The site inspection and review of previous studies identified the following areas of concern with respect to hazardous regulated wastes and/or petroleum contamination on Lot 60:

- Asbestos containing materials (ACM), which are detailed in a separate report for an asbestos survey carried out by TRC Environmental Corp. TRC collected suspect ACM for laboratory analysis. The results indicated ACM in various buildings' surfacing materials, thermal system insulation materials, and miscellaneous materials such as the ceiling tiles, floor tiles, and wall panels. The ACM should be removed and disposed of according to applicable regulations.

- Lead-based paints on various surfaces in the buildings, which are also detailed in the TRC report. Paint chips collected by TRC were sent to a laboratory, which found percentages of lead in the samples that ranged from 10% to 59%. These percentages are higher than the threshold value of 5% that HUD uses to define a lead-based paint. The lead-based paints should be removed and disposed of during renovation activities.

- Standing water of unknown origin in the basement of Building 7. No odors or discoloration of the water were evident. However, since this may be rainwater that flowed down through areas contaminated with asbestos, water sampling for asbestos is recommended prior to removing the water from the basement.

- Potential PCB's in the ballasts of fluorescent light fixtures throughout the buildings, and in the electric motors for the elevators in Buildings 8 and 10. These should be removed and disposed of according to applicable regulations.

- Sampling of soils, if excavation or movement of soils during renovation activities yields odors, discoloration, or suspicious materials buried beneath the surface of the ground. This is recommended because the purpose of the site environmental assessment is to demonstrate due diligence and provide the owner with an innocent landowner's defense if toxic/hazardous materials are uncovered following purchase of a site[1]. At least two prior

[1] Since EDC (i.e., New York City) already owns the site, the rationale regarding the innocent landowner defense does not apply.

uses of the site were industrial: the Lighthouse Service Depot (1863-1939) and the U.S. Coast Guard Base (1939-1966). Based on their uses of the buildings, materials that are currently regulated (e.g., solvents, oils) may have been stored and used on-site and also may have been discarded on-site. Although no physical evidence of contamination was uncovered during the investigations for this report, the potential for past environmental releases exists. A soil sampling program typically would be recommended under these conditions. The reasons for not recommending soil sampling are: 1) the project engineer for the Staten Island Ferry Maintenance Building has stated that all demolition and cleanup of the area surrounding the buildings as part of the construction activities for the ferry maintenance building and the North Shore Esplanade Extension were conducted according to state and federal regulations, 2) given the size of the site and lack of information on potential points of discard, no particular area can be recommended or not recommended for sampling, 3) the potential for off-site migration of undisturbed soils is unlikely, given the 30-year hiatus since the Coast Guard abandoned the site, and 4) any materials that remain on-site, and that are not likely to be inhaled, ingested, or subject to dermal contact, would not require remediation

No areas of concern were uncovered for Lot 70. A review of pertinent state and federal records did not uncover any listings for the subject property. Table ES-1 shows a summary of pertinent site characteristics with regard to the environmental site assessment.

Table ES-1
Selected Site Characteristics

Item	Subject Site		Adjacent Sites		Comments
	Present	Past	Present	Past	
Use, treatment, storage, disposal or generation of hazardous substances	No	Probable	Yes	Probable	Acetylene tanks currently on adjacent ferry maintenance site; paint lockers and motor repair shops on adjacent ferry maintenance site as previous uses
Use, treatment, storage, disposal or generation of petroleum products	No	Probable	Yes	Probable	On-site: oil stored in vaults, engine and motor repair shops. Adjacent ferry maintenance building site: underground fuel tanks, engine repair shops
Stormwater drainage system	Yes	Yes	Yes	Yes	Original combined sanitary/stormwater drainage system discharged directly into the bay
Sewage disposal system	Yes	Yes	Yes	Yes	Can be provided by borough of Staten Island; combined sewer and storm drains on site originally drained to bay
Above-ground storage tanks	No	No	No	No	
Underground storage tanks	No	No	Yes	Yes	Current: Past: 1,500 gal. gasoline tank, two unidentified "fuel tanks"
Odors	No	Unknown	No	No	
Pits, ponds, lagoons	No	No	No	No	
Standing water	Yes	Yes	Unknown	Unknown	Water in basement of Building 7 is clear and presumed to be due to rainwater infiltration through damaged roof
Drums	Yes	Yes	Unknown	Unknown	On-site: a 5-gallon drum may have held oil and a 55-gallon may have held solvent
Containers of hazardous substances	No	Probable	Yes	Probable	Probable containers of solvents
Containers of petroleum products	No	Probable	Yes	Probable	Motor oil
Containers of unidentified substances	No	N/A	No	N/A	
Potential PCBs in light ballasts or electrical and hydraulic equipment	Yes	Yes	Unknown	Unknown	Fluorescent light ballasts, electric motors for elevators
Stained soil or pavement	No	Unknown	No	Unknown	
Stressed vegetation	No	Unknown	No	Unknown	
Waste water discharge	Yes	Yes	Yes	Yes	Historic drainage system to bay
Wells	No	No	No	No	
Septic systems	No	No	No	No	

N/A = not applicable

1.0 INTRODUCTION

1.0 INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment (ESA) prepared by Sandstone Environmental Associates, Inc. (SEA) for the property located at the St. George Coast Guard Base, Staten Island, New York (see Figure 1) on behalf of the New York City Economic Development Corporation (EDC). The subject property is listed in the borough of Staten Island tax records as Block 1, Lots 60 and 70 (see Figure 2). However, only a portion of Lots 60 and 70 are included as part of the subject site. The portion of Lot 60 in front of the buildings that was cleared and reconstructed as part of the North Shore Esplanade Extension is not part of the subject site. The ferry maintenance building on the eastern portion of Lot 60 and the north pier on Lot 70 also are not part of the subject site. EDC intends to renovate the existing vacant buildings on Lot 60, and the south pier on Lot 70, for use as a National Lighthouse Center and Museum. Parking for visitors would be provided in a new lot to be constructed on the upland area of Lot 60. Site inspections to support this work effort were conducted on August 5, 1999 and August 19, 1999. The walkway/roadway and waterfront esplanade, constructed in 1995, is not part of this environmental site assessment.

The purpose of this ESA is to:

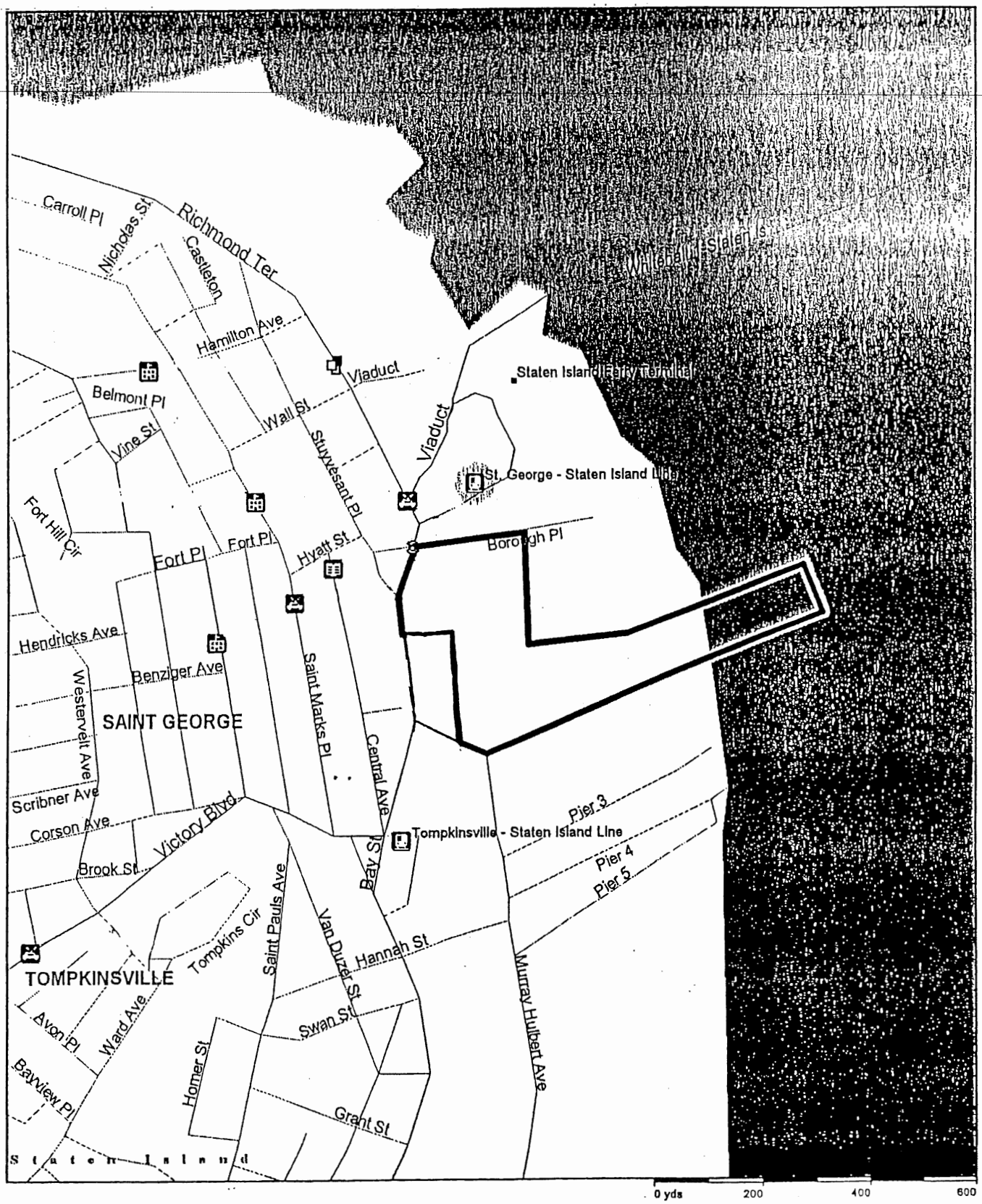
- Identify, to the extent feasible, the presence or likely presence, release, or threat of release of any hazardous substances or petroleum products affecting the property;
- Gather preliminary information regarding the level of compliance with current environmental standards, laws, regulations and permits (if any);
- Establish a baseline of environmental conditions for historic and comparative purposes;
- Identify whether any hazardous substance has been stored, released or disposed of on the property;
- Reduce uncertainty regarding recognized environmental conditions; and
- Identify the need for additional testing to evaluate the scope, location, source, and nature of any releases or threat of releases of hazardous substances affecting the subject property.

This report conforms to the requirements contained in American Society for Testing and Standards (ASTM) Standard Practice E 1527-97. The site reconnaissance recorded surficial conditions only. Such a review cannot be expected to reveal all hazardous materials or environmental conditions that might be present on site; the possibility exists that some hazardous materials or conditions might exist and not be detected.

This ESA was conducted in a manner consistent with the level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to SEA representatives. Additional information that was not available at the time of this report preparation may result in the modification of the information presented herein.

Figure 1

Area Overview Map



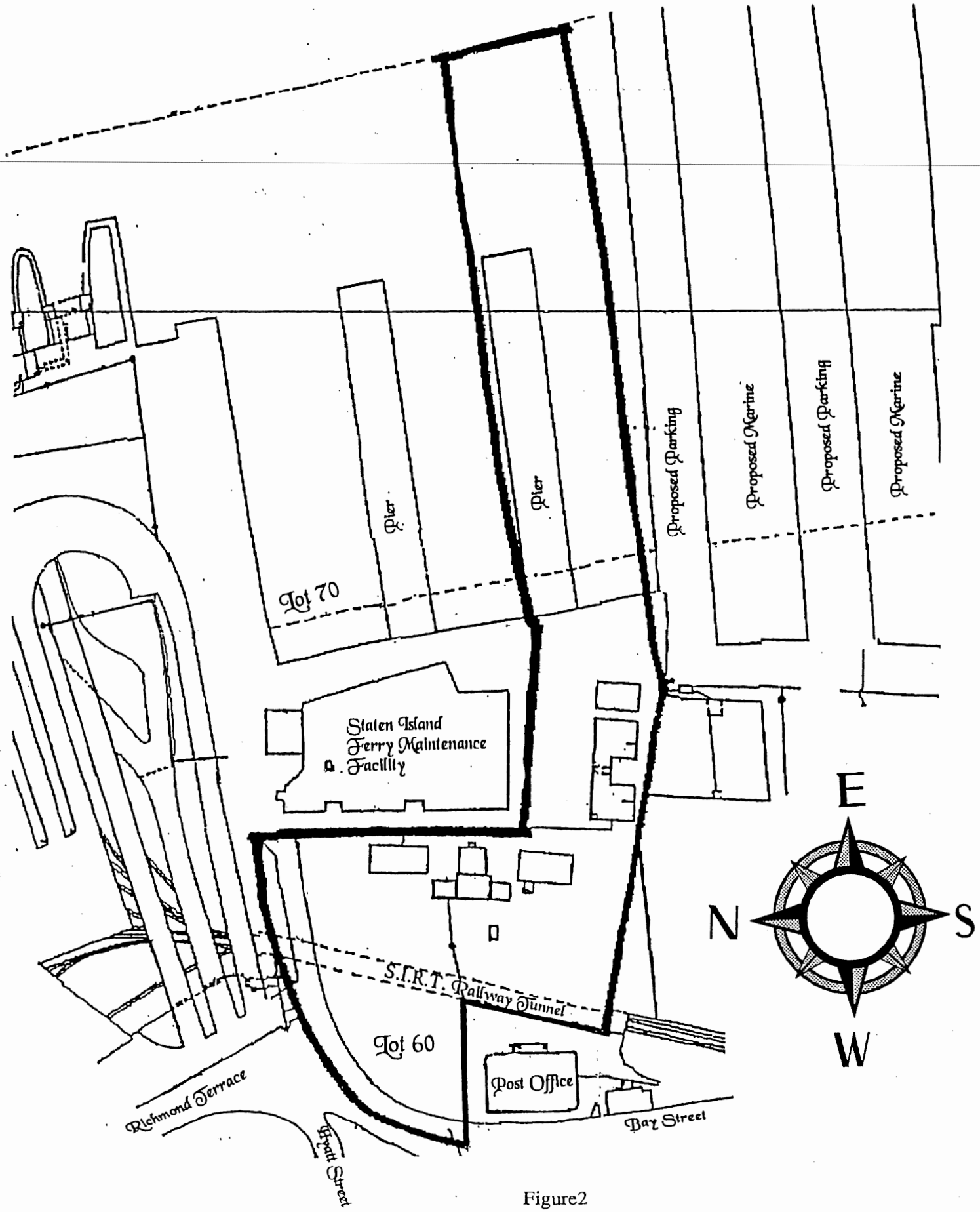


Figure2

Site Location with Lot Designations

2.0 SUMMARY OF PREVIOUS ENVIRONMENTAL SITE ASSESSMENTS

2.0 SUMMARY OF PREVIOUS ENVIRONMENTAL SITE ASSESSMENTS

Several prior studies for the site were available during the preparation of this report. These studies, which provide useful information about the existing and historic conditions at the site, include:

- *Site Utilization Analysis and Report for Development of a Master Plan for a New Ferry Maintenance Facility on the Site of the Former United States Coast Guard Base*, by Manuel Elken Co., PC, December 1982. This report provides information on the early history of the site and the buildings that were on the Coast Guard Base. It includes detailed information on the piers and site utilities.

- Manuel Elkin Co., PC prepared a set of plans for the proposed ferry maintenance facility on an adjacent property, for NYCDOT in 1987. Drawing SP-1, *Existing Conditions, Demolition and Removal* (Sheet 3 of 64) was available for this environmental site assessment. The drawing shows buildings on the subject site and the adjacent site in 1987 with notes as to which ones are to be demolished. It also shows utility lines on the site.

- *The National Lighthouse Museum, A Plan to Locate the Proposed Lighthouse Center and Museum at the Old US Lighthouse Service Depot in Staten Island, New York*, by Henry Stephenson, New York Harbor Lights, 9/1/1997. This report presents a description of the site, then includes reports by Jan Hird Pokorny Associates and Robert Silman Associates under the same cover. Supplementary information on the proposed use is provided after the Robert Silman report. At the back of the document are building rehabilitation costs by V.J. Associates.

- *Third District Coast Guard Buildings—Staten Island NY*, by Robert Silman Associates, P.C., February 13, 1998. The Robert Silman report (noted above) describes the current structural deterioration of the buildings. Photos are included.

- *Adaptive Reuse Proposal and Cost Analysis, Former U.S. Third District Lighthouse Depot, Staten Island, NY, Technical Report*, by Jan Hird Pokorny Associates, Inc., March 18, 1998. This report (noted above) presents information about the site and its history, as well as zoning regulations, building code compliance, proposed reuse plans for the buildings, and construction cost estimates. Existing and proposed floor plans are also included. Appendices include the Robert Silman report, the National Lighthouse Museum Proposal, and the construction costs by V.J. Associates.

- The *Report of Asbestos Survey and Lead Sampling of St. George Coast Guard Site* by TRC Environmental Corporation (June 1999) covers surveys, samples, and laboratory analyses of materials in the buildings suspected of containing asbestos and lead.

Relevant information from the map and documents cited above has been summarized and incorporated into discussions of current (Section 3, Section 4) and historic (Section 5, Section 6) conditions.

3.0 CURRENT SITE CHARACTERISTICS

3.0 CURRENT SITE CHARACTERISTICS

The following is a summary of current characteristics of the subject property.

3.1 Ownership and Location

Site Owner:	City of New York
Site Occupant:	Lot 60: 1) Six buildings and vaults vacant since 1982 2) New York City Department of Transportation Ferry Maintenance Facility Lot 70: New York City Department of Transportation
Date of Ownership:	September 21, 1983
Site Location:	Bay Street/ Borough Place
County:	Richmond County, Staten Island, NY
USGS Quadrangle:	Jersey City, NJ-NY
Latitude and Longitude:	40.6415° N 74.0742° W

3.2 Site Description and Operations

The subject area is includes part of Lot 60 and the south pier of Lot 70 on Block 1, as shown in Figure 2. Figure 3 shows the existing site plan for the areas that constitute subject site. Lot 60 contains six vacant buildings, six underground vaults, and an upland area. All six buildings are deteriorated and in need of repair. Three of the six buildings are on the National Registry of Historic Places and one of the buildings is also a New York City Landmark. A tunnel for the SIRT runs beneath the site behind the buildings. The south pier on Lot 70 is 850 feet long. Recently, a new park and esplanade have been constructed linking the site to the ferry terminal on the north as well as the Bay Street Landing Esplanade on the south. A roadway within the site constructed in conjunction with the Ferry Maintenance Facility is paved for service vehicles and pedestrians as part of the esplanade system.

3.3 Information from Previous Studies

Five previous reports and a map, as described in Section 2, provide information on the site's current characteristics. Information from these documents is combined and summarized below to provide context for discussing the site reconnaissance by SEA.

The site is accessible from Bay Street on the north, as well as the waterfront and property to the south. A roadway within the site constructed in conjunction with the Ferry Maintenance Facility

is paved for service vehicles and pedestrians as part of the North Shore Esplanade Extension[2]. The subject site area and total square footage of the buildings is equivalent to about 10 acres.

Lot 60 has an upland area, behind the main buildings, where 76,600 square feet of land consisting of mature trees slopes upward to Bay Street, which is the main street in downtown St. George. The upland area is separated from Bay Street by an old brick retaining wall that predates the Lighthouse Service. Although the wall is not designated as a historic landmark, it could be nominated for that status. A tunnel and right-of-way for the S.I.R.T. (Staten Island Railway Transit) runs beneath the site on a north-south axis behind the storage vaults.

The structures on Lot 60 include six buildings and six storage vaults, all of have been vacant since 1982. The numbers used to designate the buildings (see Figure 3) were assigned at a time when more structures were on the site; thus, numbers for the six standing buildings are not sequential. Figures 4a through 9, taken from the Jan Hird Pokorny Associates report, show floor plans for Buildings 6, 7, 8, 10, and 11, as well as the Vaults. No floor plan was available for Building 5. Table 1, also based on information in the Pokorny report, shows the square footage of the buildings by floor.

All six buildings have suffered significant deterioration in recent years. Much of the damage is due to water infiltration following theft of copper roof flashings and gutter linings. Building mechanical and utility services and systems were formerly on-site but are no longer operational. The 1987 NYCDOT map shows a network of underground sewer and water pipes crisscrossing the subject site and the adjacent site for the ferry maintenance terminal. These are discussed more fully in Section 3.5, Utilities.

Building 5, formerly a utility building[3], is described as a one-story brick masonry building by J.H. Pokorny (1998) and as a metal and concrete structure by Stephenson (1997). Located near the northern end of the site between the Vaults and Building 6, it has 1,071 sq. ft.

Building 6, with four-stories and an attic, is a brick, masonry, and wood frame warehouse with a floor area of 8,928 square feet. It is also on the National Registry of Historic Buildings. Formerly used as a barracks and galley, it is near the north entrance to the site and faces the North Shore Esplanade and the Ferry Maintenance Building. Roof leakage has caused serious deterioration to some sections of the attic floor, as well as joist ends on the east wall. The TRC report stated that the building "is in very poor condition with extensive water damage and deterioration."

Building 7, which is south of Building 6, also faces the North Shore Esplanade and the Ferry Maintenance Building. Constructed of brick, granite, and stone masonry, it has a total of 11,766 sq. ft. on three floors, and was formerly used as an administration building. It is on the National Registry of Historic Buildings and is also a New York City Landmark. Theft of copper gutter linings and resulting damage to the roofing has channeled roof drainage onto the tops of wall masonry, causing damage to the masonry and to sheet metal roof cornices. TRC described the building's condition as "poor with extensive water damage, weathering, and deterioration with

[2] The walkway and esplanade are included in the site area, but are not included in this environmental site assessment.

[3] This building is labeled as a laboratory on the historic Sanborn maps discussed in Section 5.

areas where floor, wall and ceiling surfaces have collapsed." Some portions of the basement area were inaccessible to TRC representatives due to flooding.

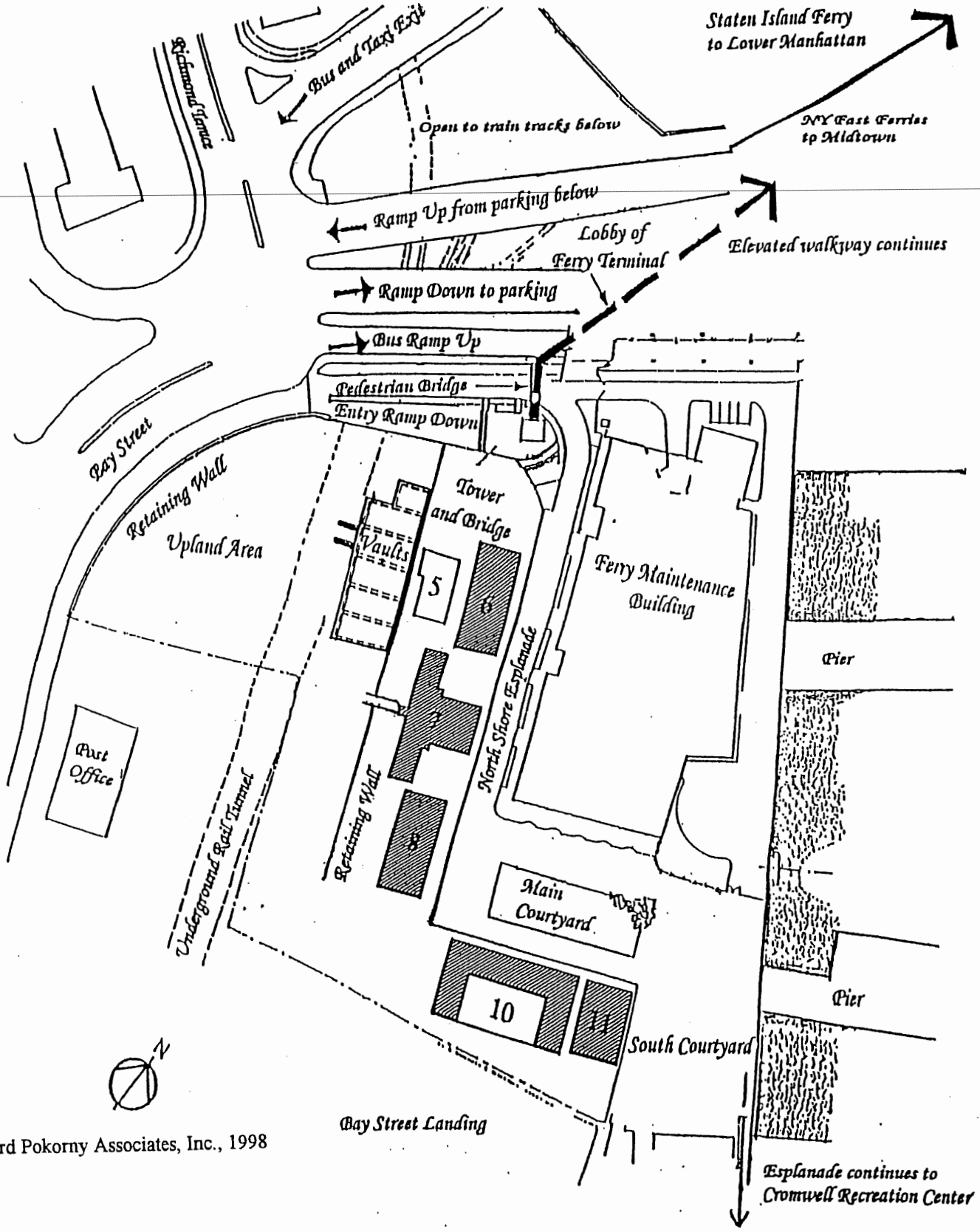
Building 8, a four-story brick structure, has 12,888 sq. ft. It is located south of Building 7 and faces east towards the main courtyard and the pier. Formerly, it was an industrial supply warehouse. It is on the National Registry of Historic Buildings. Theft of copper gutter flashing in 1991 damaged the base of the slate roof and channeled roof drainage onto the top of eave wall masonry, causing significant deterioration. According to TRC, the "interior of the building is in poor condition with extensive water damage and debris covering the floors."

Building 10, with 18,375 sq. ft., is a U-shaped, three-story, brick masonry and steel structure facing north towards the main courtyard. It is on the southern portion of the site. Building 10 is not on the National Registry of Historic Places, but could be nominated for inclusion on that list. Shown in the documents as the "south shop" building, it's former purpose was most likely for light industrial use. Theft of copper parapet flashing at the front walls and built-in copper gutters at the rear walls has allowed significant water infiltration into these areas. The TRC report stated that the building's interior "is in poor condition with extensive water damage and debris covering the floors."

With 2,600 sq. ft., **Building 11** is a small brick and steel pavilion-like building with lots of large windows. It is located at the south corner of the courtyard facing east towards the harbor. The Manuel Elken report (1982) shows it as a diesel engine shop.

Six granite (Stephenson 1997) or brick and brownstone (J.H. Pokorny 1998) storage **vaults**, totaling about 6,015 sq. ft., are built into the hillside at the northern end of the site. Five of them are 21 feet wide by 51 feet long with 13-foot high vaulted ceilings. The sixth vault is about half the size of the others. All six of them are on the National Registry of Historic Buildings.

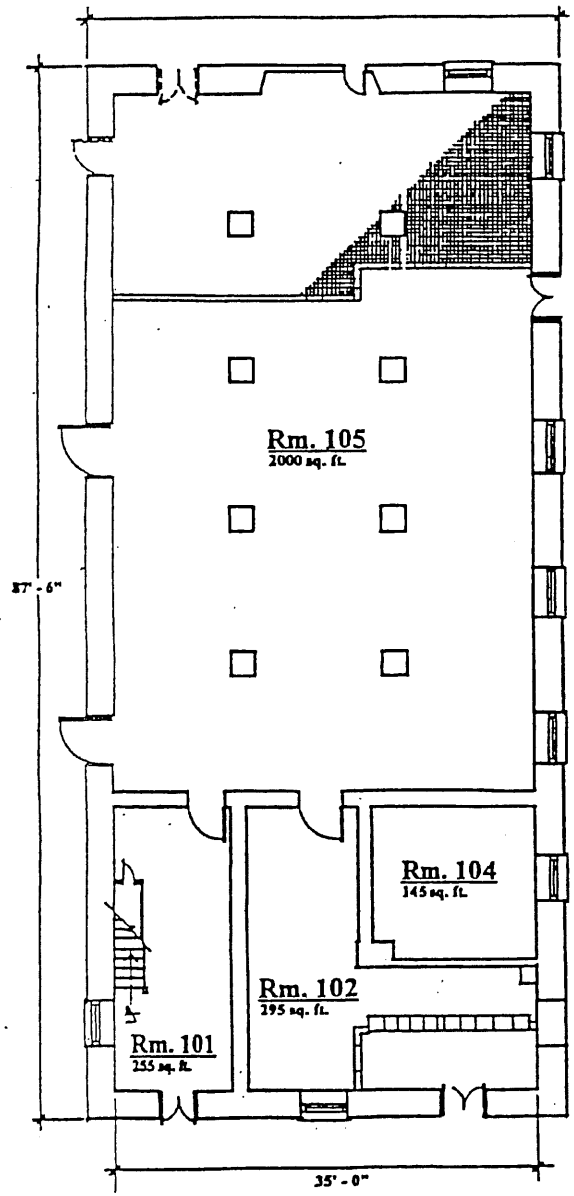
The reconstructed pier, which is on Lot 70, projects out into the harbor from the main courtyard. It is 850 feet long by 75 feet wide, with a total of 63,750 sq. ft.



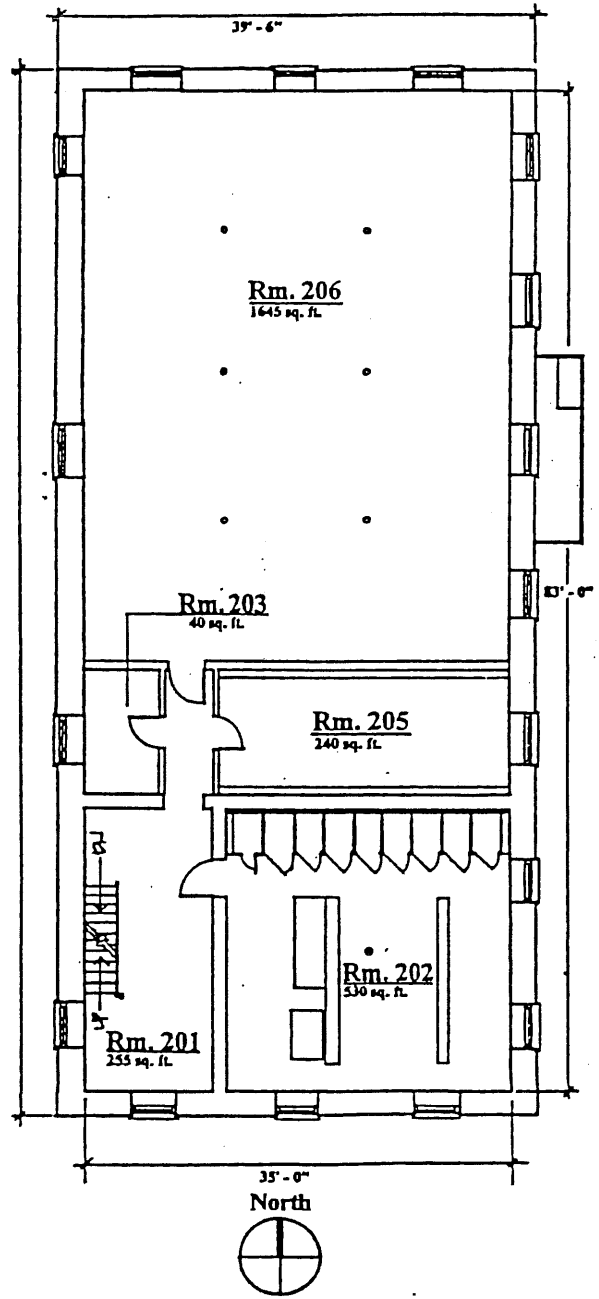
Source: Jan Hird Pokorny Associates, Inc., 1998

Figure 3

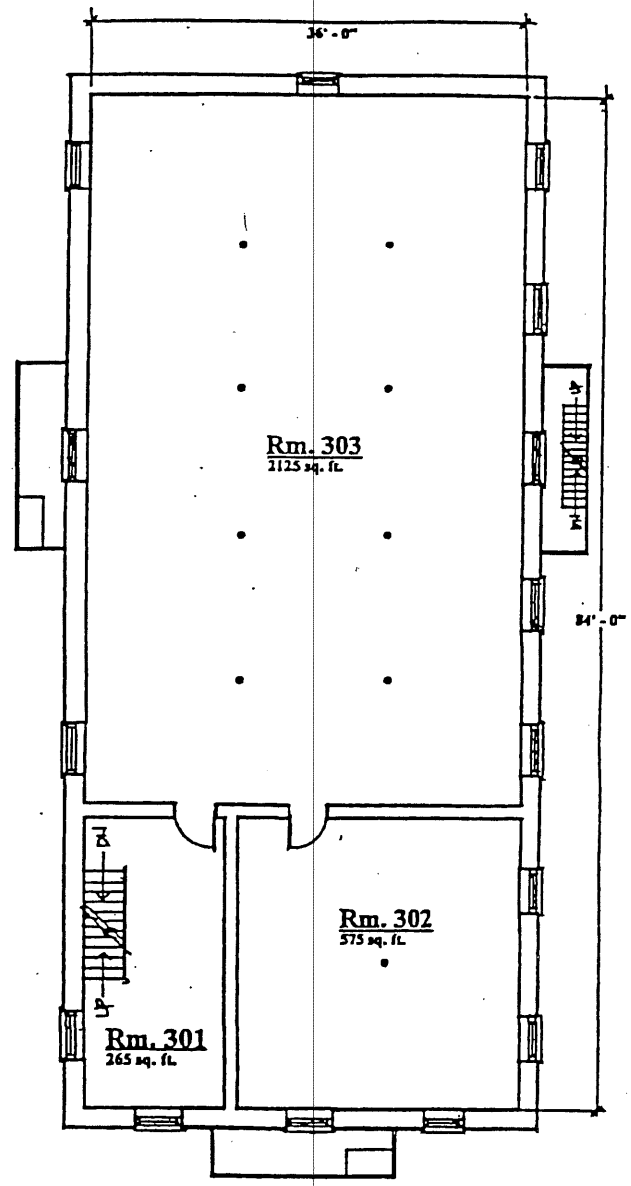
Existing Site Plan



Building 6 : Existing First Floor Plan
2760 sq. ft.



Building 6 : Existing Second Floor Plan
2770 sq. ft.

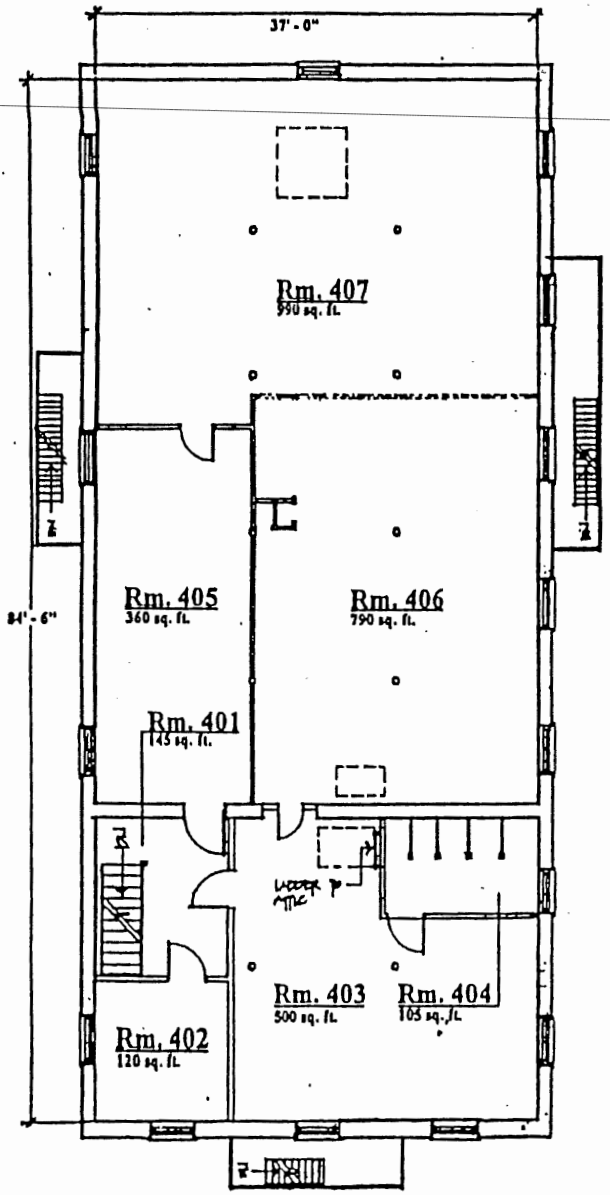


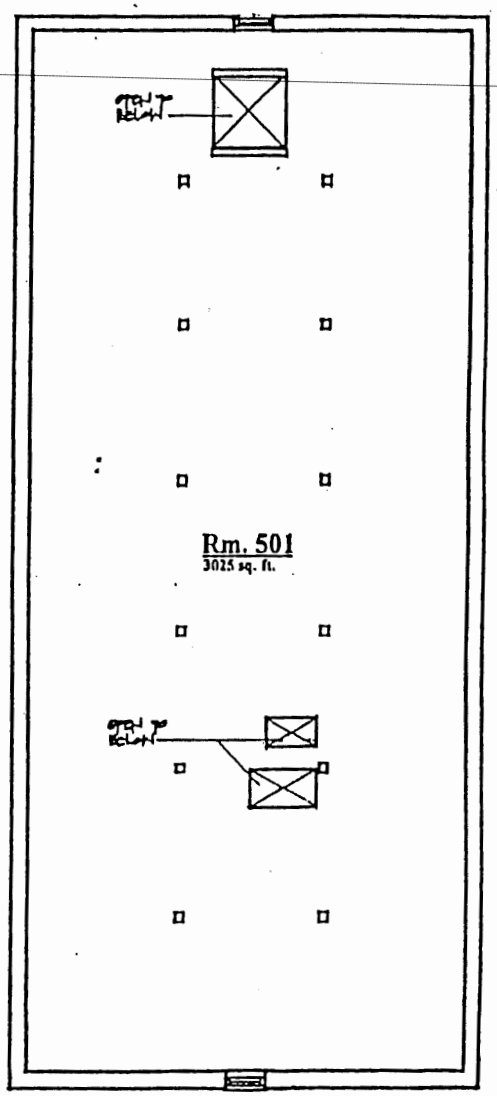
Building 6 : Existing Third Floor Plan
2965 sq. ft.

Figure 4a

Building 6 Existing Floor Plans

Source: Jan Hird Pokorny Associates, Inc., 1998





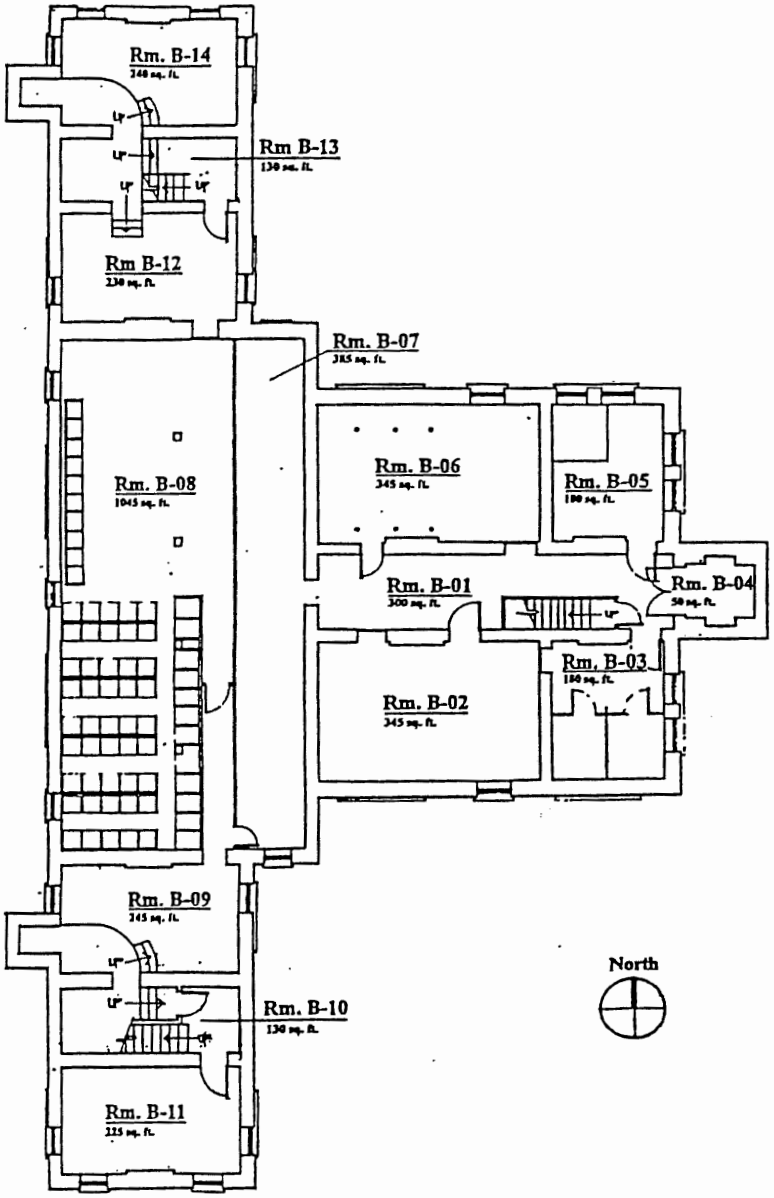
Building 6 : Existing Fourth Floor Plan
3010 sq. ft.

Building 6 : Existing Attic Floor Plan
3025 sq. ft.

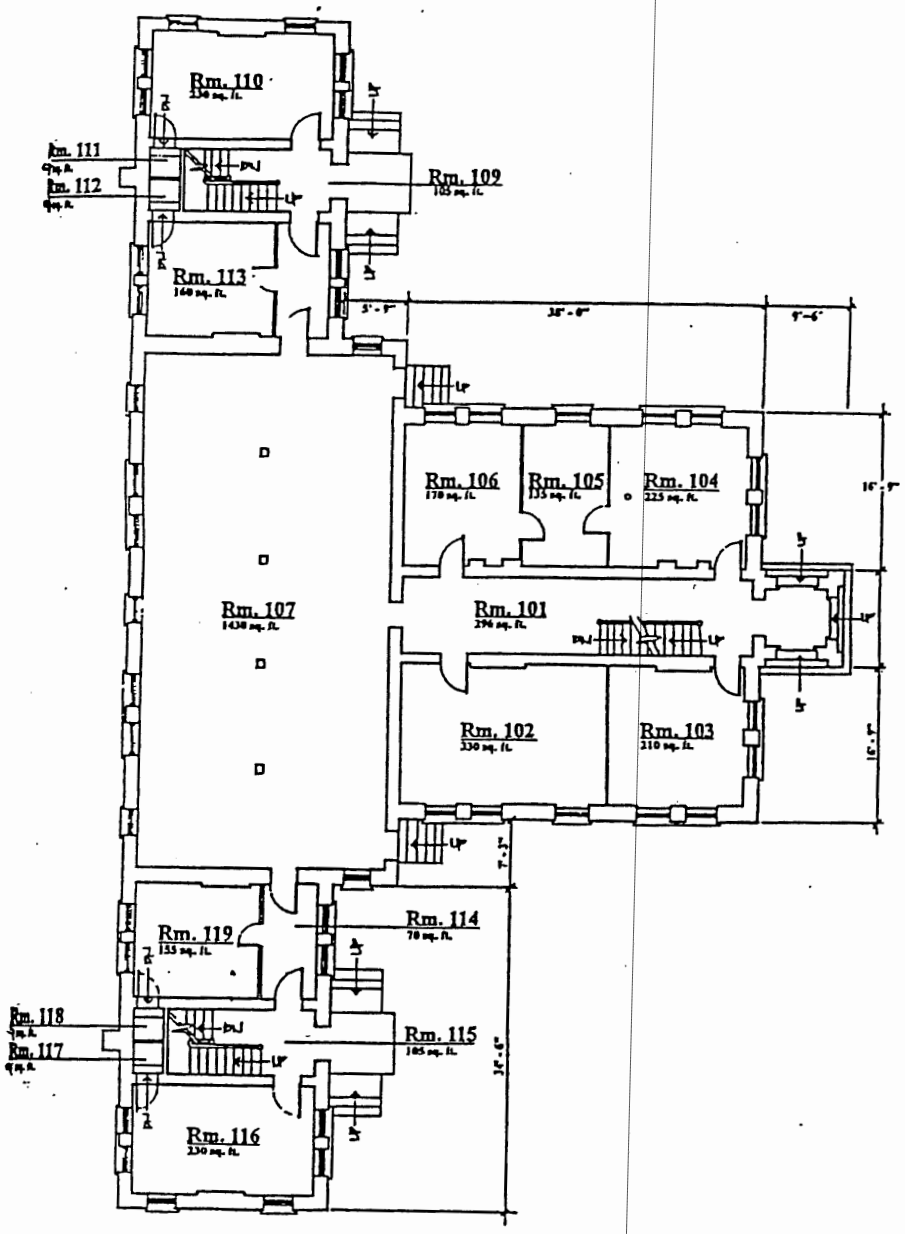
Figure 4b

Building 6 Existing Floor Plans (cont.)

Source: Jan Hird Pokorny Associates, Inc., 1998



Building 7 : Existing Cellar Plan
4035 sq. ft.

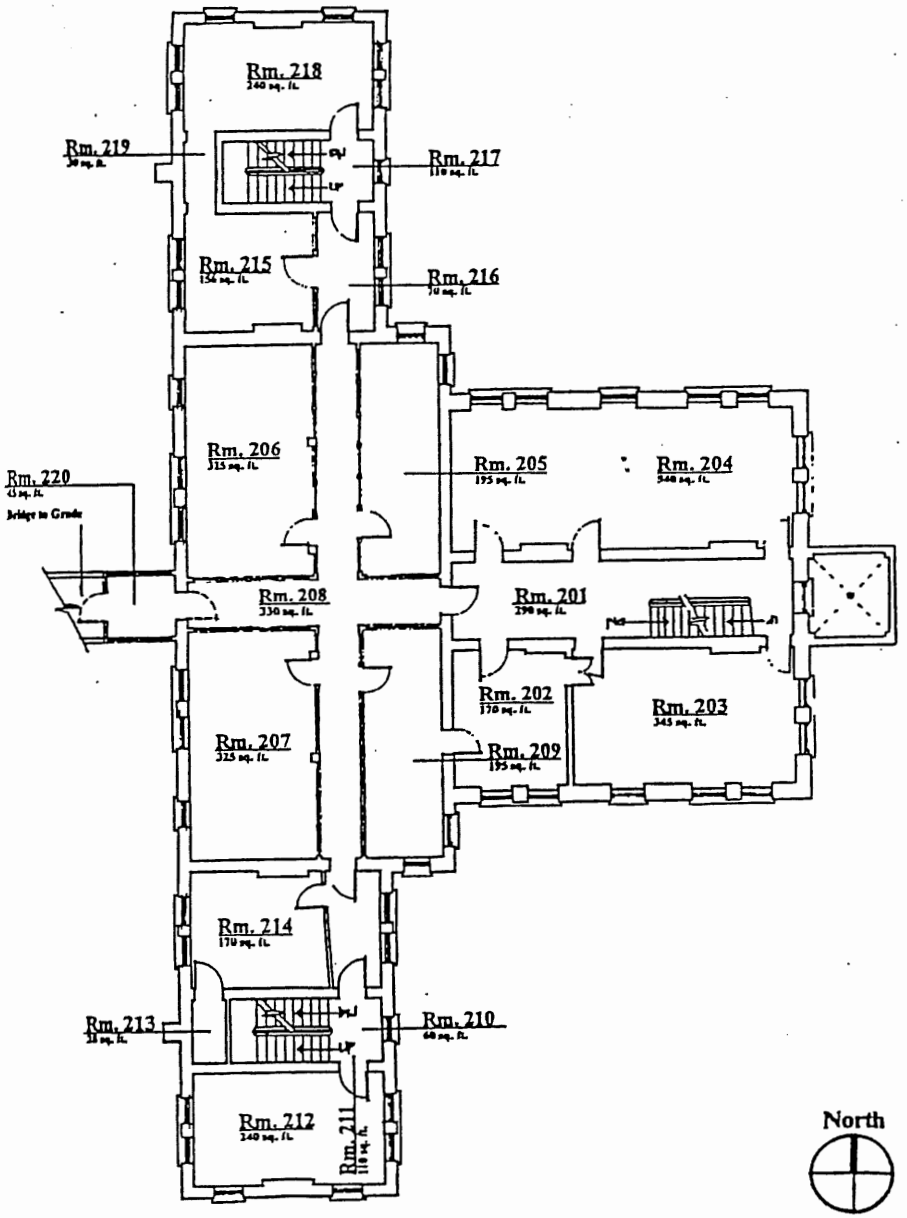


Building 7 : Existing First Floor Plan
3947 sq. ft.

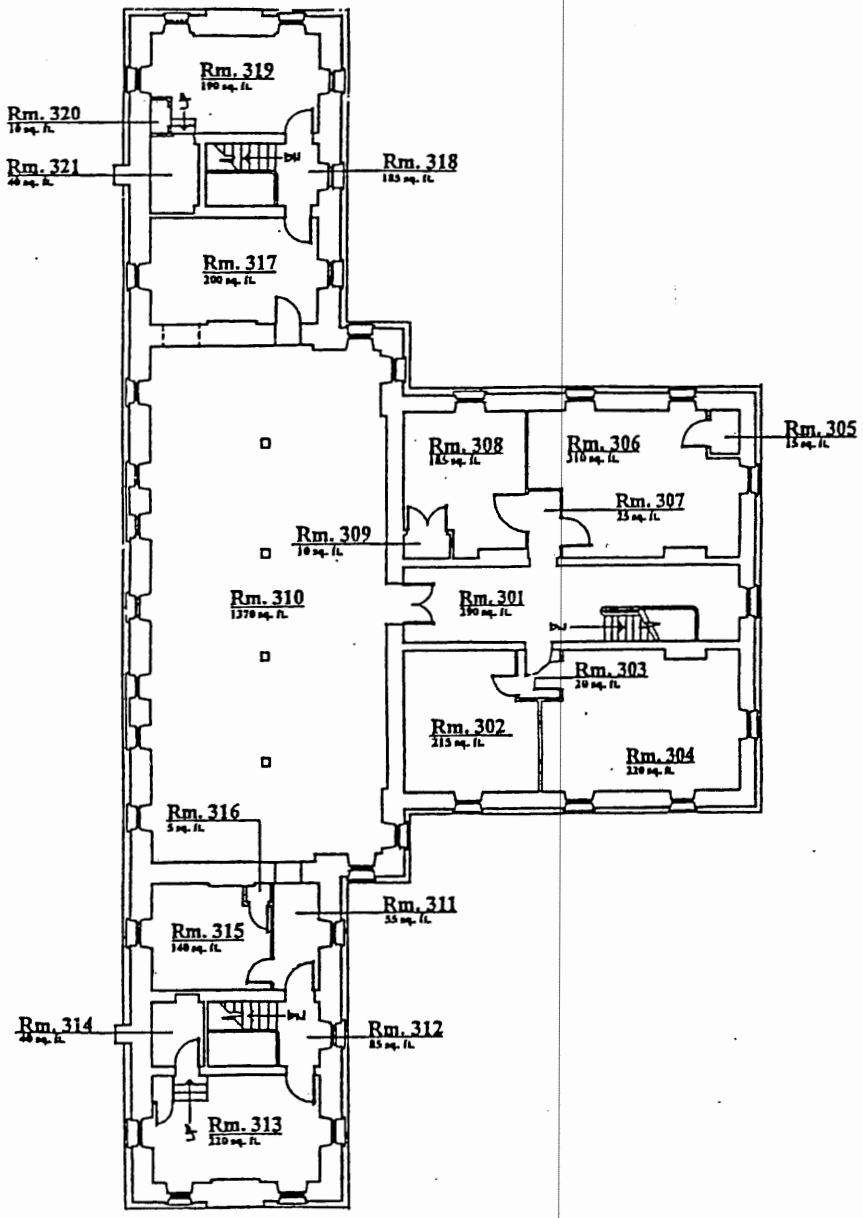
Figure 5a

Building 7 Existing Floor Plans

Source: Jan Hird Pokorny Associates, Inc., 19



Building 7 : Existing Second Floor Plan
3947 sq. ft.

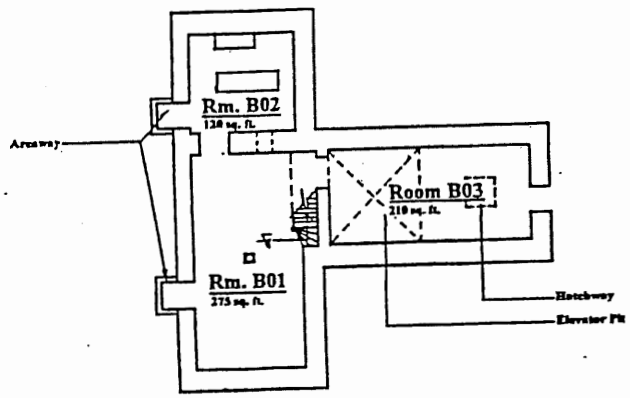


Building 7 : Existing Third Floor Plan
3730 sq. ft.

Figure 5b

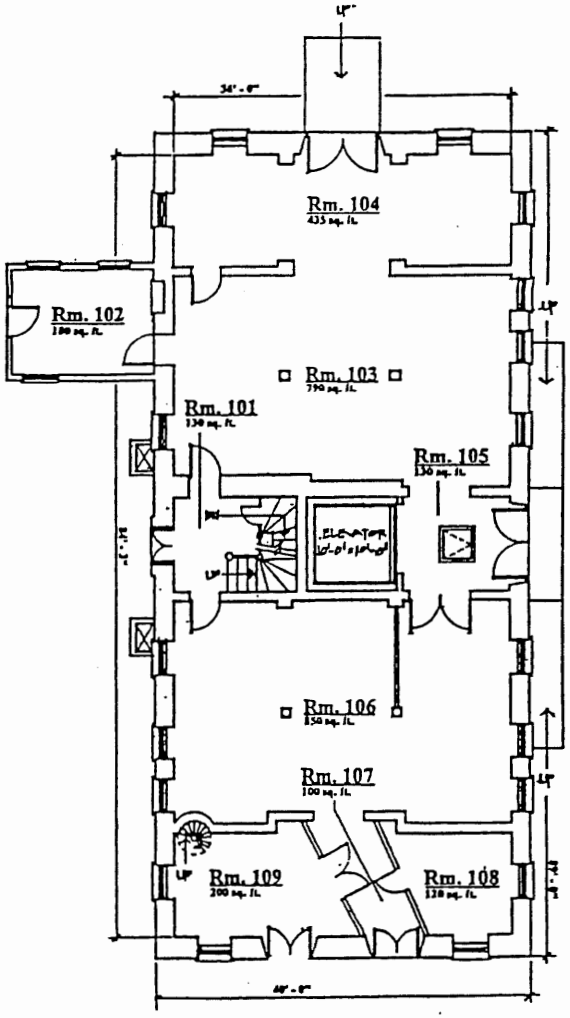
Building 7 Existing Floor Plans (cont.)

Source: Jan Hird Pokorny Associates, Inc., 1998



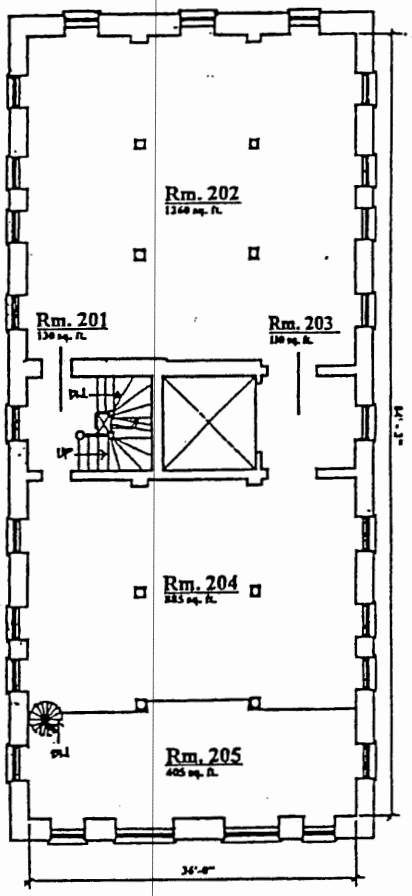
Building 8 : Existing Cellar Plan

685 sq. ft.



Building 8 : Existing First Floor Plan

2935 sq. ft.



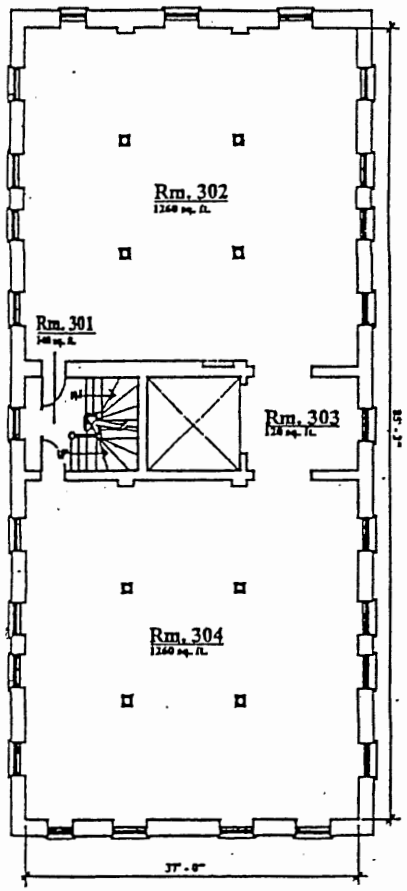
Building 8 : Existing Second Floor Plan

2790 sq. ft.

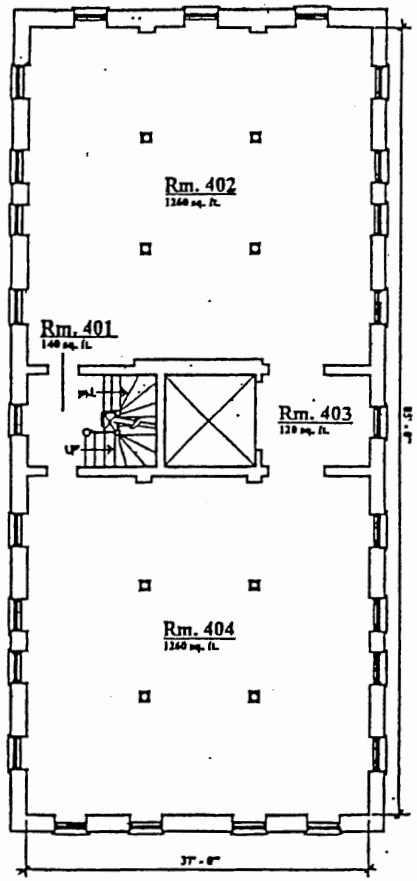
Figure 6a

Building 8 Existing Floor Plans

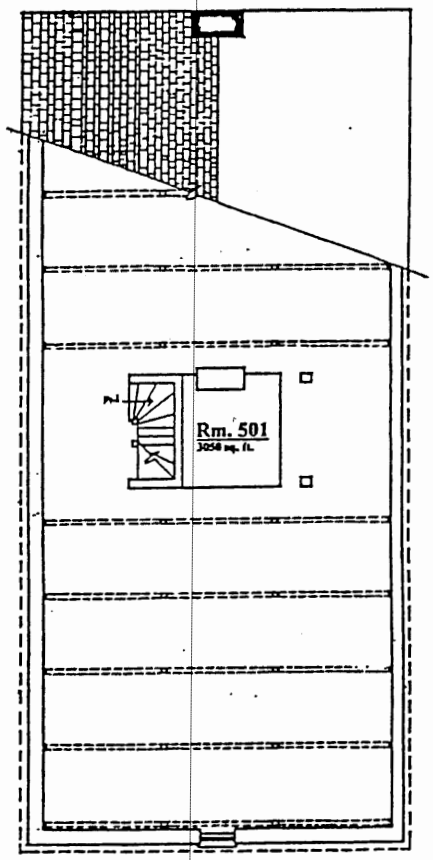
Source: Jan Hird Pokorny Associates, Inc., 1998



Building 8 : Existing Third Floor Plan
2780 sq. ft.



Building 8 : Existing Fourth Floor Plan
2780 sq. ft.

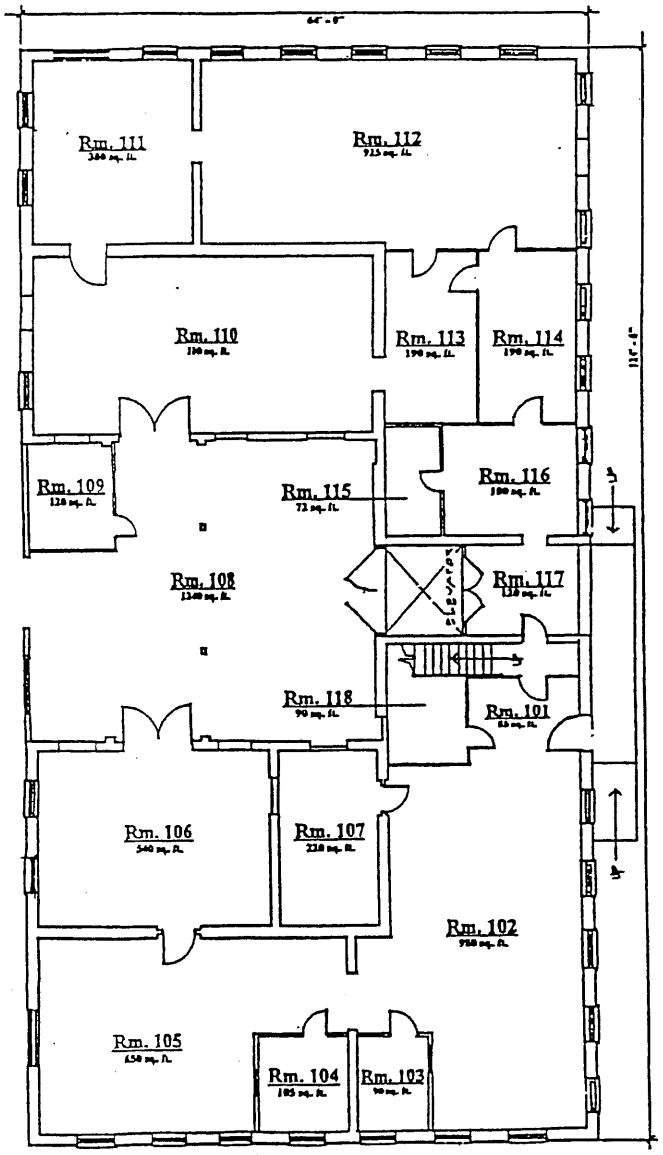


Building 8 : Existing Attic Floor Plan
3050 sq. ft.

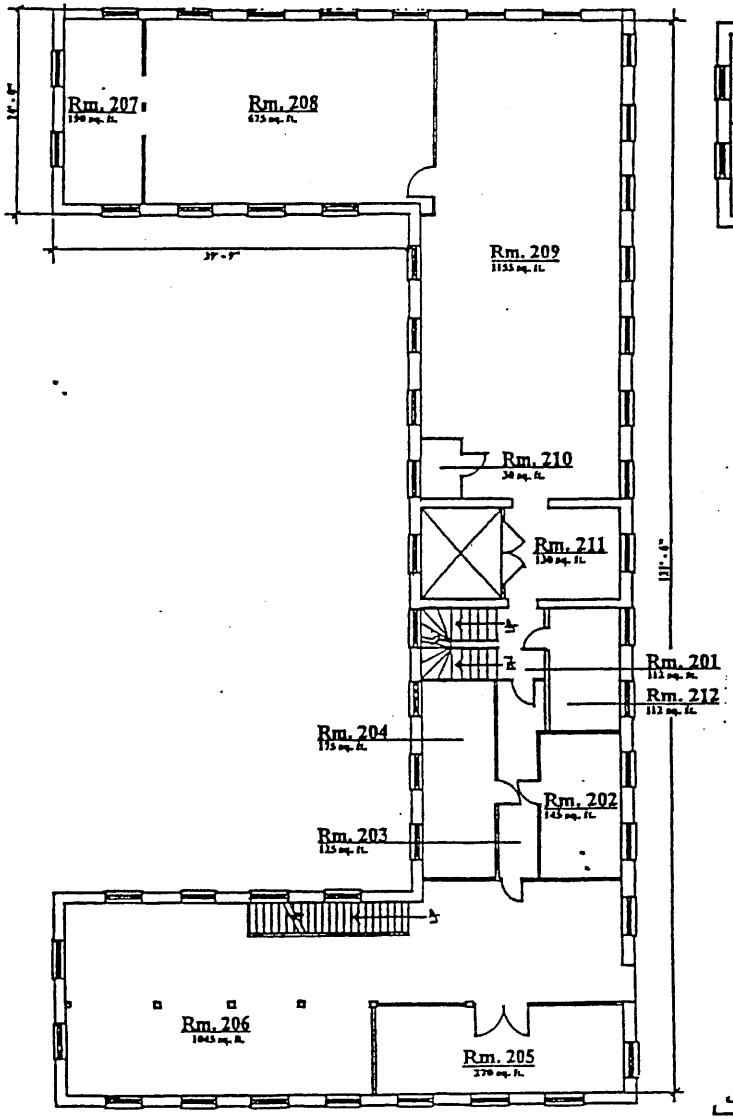
Figure 6b

Building 8 Existing Floor Plans (cont.)

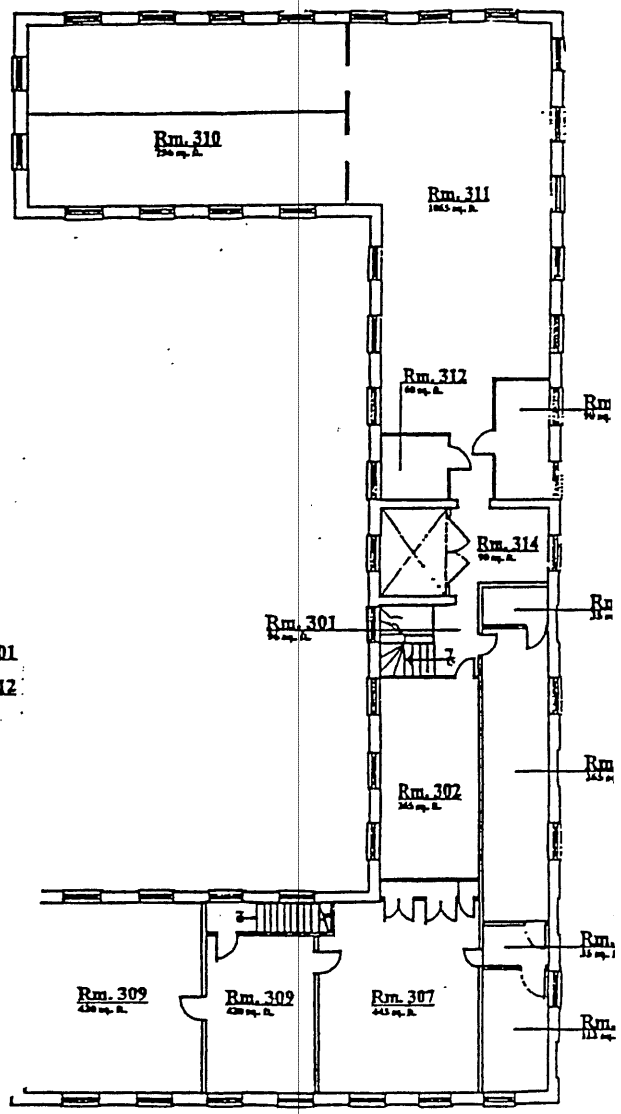
Source: Jan Hird Pokorny Associates, Inc., 1998



Building 10 : Existing First Floor Plan
6962 sq. ft.



Building 10 : Existing Second Floor Plan
4164 sq. ft.



Building 10 : Existing Third Floor Plan
3949 sq. ft.

Figure 7

Building 10 Existing Floor Plans

Source: Jan Hird Pokorny Associates, Inc., 1998

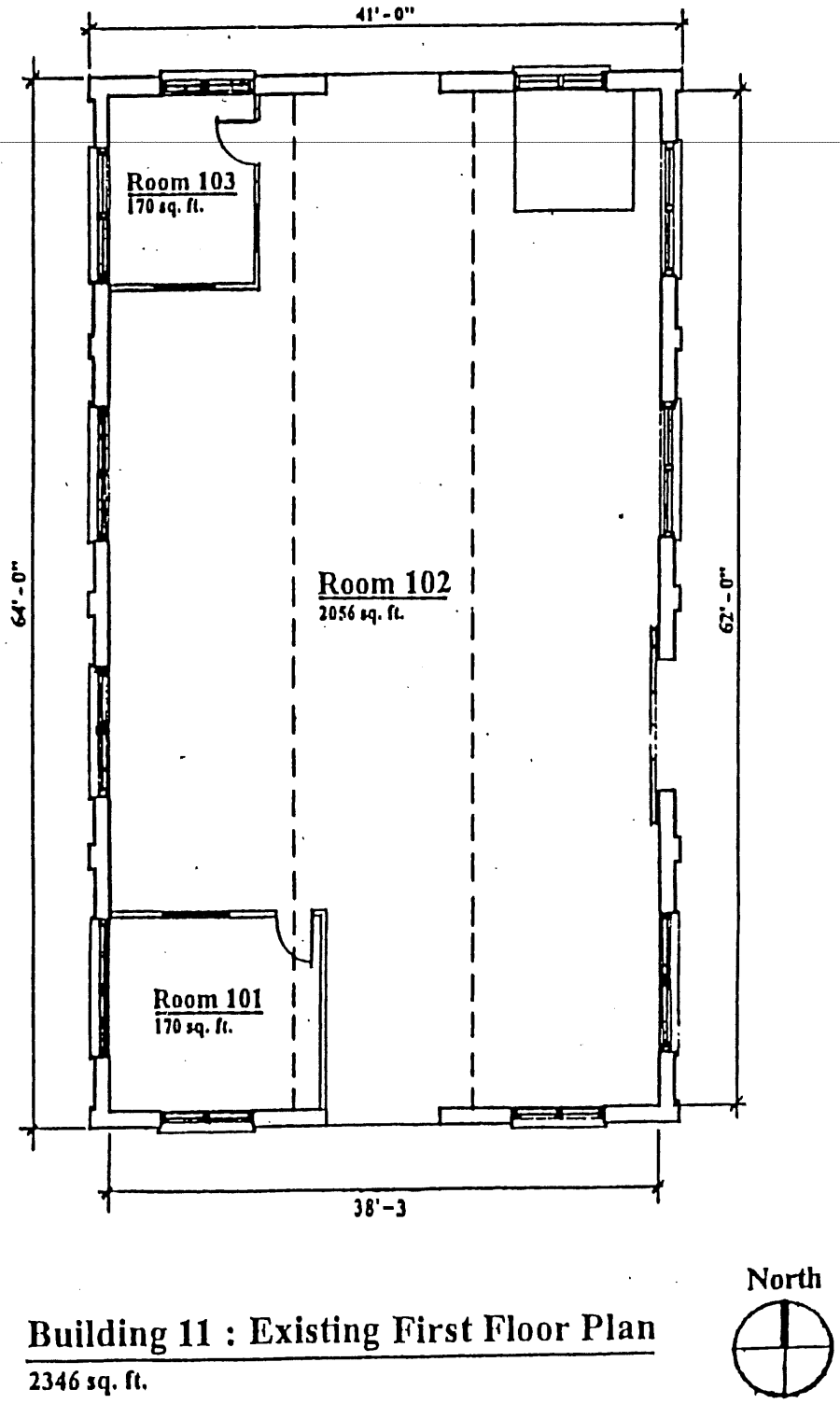


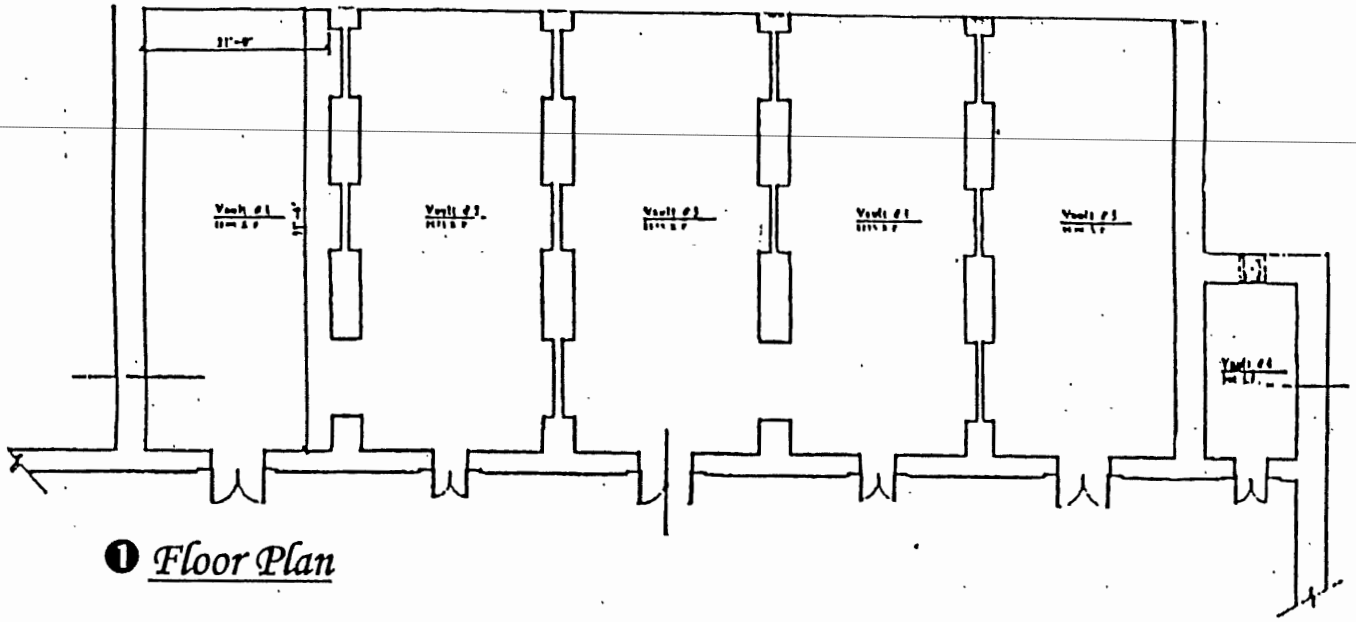
Figure 8

Building 11 Existing Floor Plan

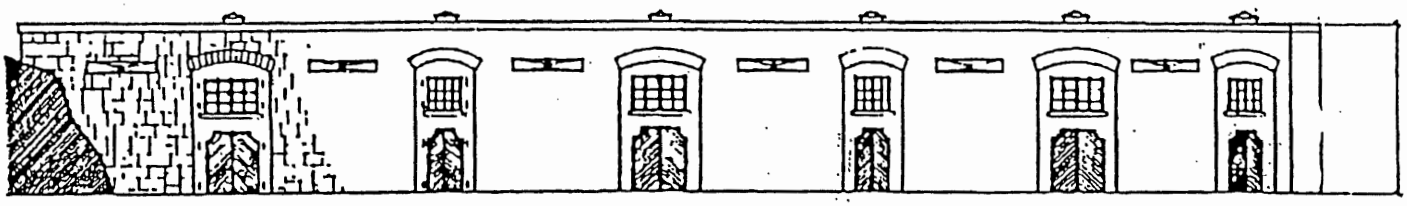
Source: Jan Hird Pokorny Associates, Inc., 1998

Figure 5

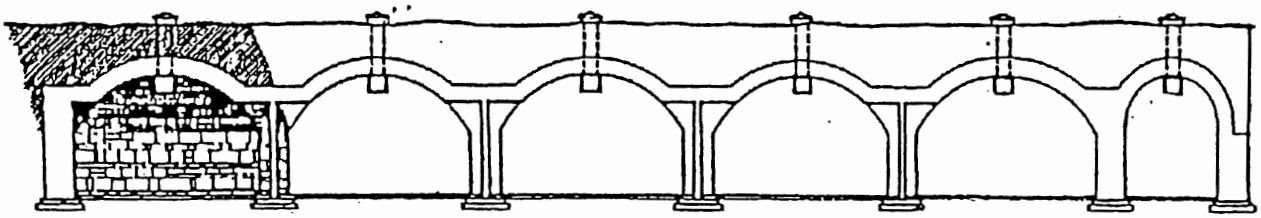
Vaults: Plan, Elevation, and Sections



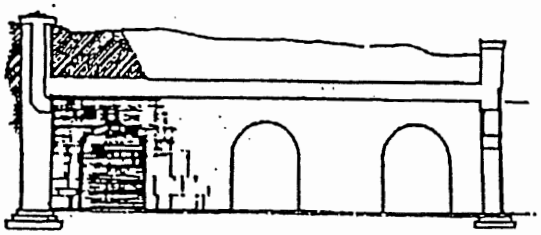
❶ *Floor Plan*



❷ *Elevation*



❸ *Longitudinal Section*



❹ *Transverse Section*

Source: Jan Hird Pokorny Associates, Inc., 1998

Table 1
Square Footage of Buildings

Building No.	Floor	Sq. Ft.
5 Utility Building	1	1,071
6 Barracks and Galley	1	2,760
	2	2,770
	3	2,965
	4	3,010
	Attic	3,025
	Total	14,530
7 Administration Building	Cellar	4,035
	1	3,947
	2	3,947
	3	3,730
	Total	15,659
8 Industrial Supply Warehouse	Cellar	605
	1	2,935
	2	2,790
	3	2,780
	4	2,780
	Attic	3,050
	Total	14,940
10 South Shop	1	6,962
	2	4,164
	3	3,949
	Total	15,075
11 Motor Shop	1	2,346
Vaults	1	1,071
	2	1,071
	3	1,071
	4	1,071
	5	1,071
	6	660
	Total	6,015
Grand Total		69,636

Source: Jan Hird Pokorny Associates, Inc., 1998

3.4 Site Reconnaissance

A site reconnaissance was carried out by SEA on August 5, 1999 and August 19, 1999 in coordination with Ms. Meenakshi Varandani (representing EDC), and other EDC representatives.

3.4.1 Exterior Observations

An eight-foot high chain link fence blocks public access to the buildings and upland areas, and another fence blocks access to the pier. A public esplanade and central court separates the buildings and upland areas from the ferry maintenance facilities owned by NYCDOT (see Figure 3).

3.4.1.1 Upland Area

The upland area slopes upward from Buildings 5,6,7, and 8 to Bay Street. The lower elevations are otherwise overgrown with vegetation. The upper elevations adjacent to the Post Office and Bay Street have weeds, grasses and mature trees. A path leads from a southerly point behind Building 8 to a former site entrance near Bay Street. An empty gasoline can was observed along the pathway. The vegetation was too dense to determine whether other materials had been discarded, but no evidence of stressed vegetation was observed. At the top of the hill were some discarded construction blocks. A metal pipe, about eight feet high, was set in the ground. It appeared to be hollow and had brackets that could have been used to hold a sign. The purpose of the pipe was not evident. It did not appear to be a vent pipe for the Staten Island Railway Transit tunnel, which runs beneath the upland area behind (west of) the buildings and vaults.

3.4.1.2 Structures

The grounds around the buildings displayed overgrown vegetation and weeds growing through cracks in the asphalt or concrete walkways. A five-gallon drum lay in the weeds near Building 11. The drum appeared to have black numbers and letters stenciled on it but was inaccessible for further observation. An empty 55-gallon drum near the south end of Building 8 was labeled "Combustible Mixture NYFD No. 1267, 24210-liquid". Vegetation in the vicinity of the drums and structures appeared to be healthy. No surface staining was evident.

Several grates were observed on the grounds in the vicinity of the buildings. No information was available on their purpose, but their locations and open grate design indicated that they may be for storm water. They are in locations identified on the 1987 NYCDOT map as "sewers" for the combined sanitary and stormwater system (see Section 3.5, Utilities). Directly in front of Vault 1 are a small drainage culvert and an access cover set into the ground. The area beneath the concrete appears to be hollow.

The structures were in a state of disrepair due to water damage, theft of pipes and flashing, and vandalism. Nearly every window was broken, and rubble from broken windows and crumbling cornices was evident on the ground. Most of the first floor windows had been sealed with bricks or concrete blocks to prevent access. All doors had been locked, and some doors had been further reinforced with metal bolts or welded metal bars. Wires or pipes on the exterior of some buildings indicated the locations of former utility service. A section of ground around a utility tunnel entrance was caving in at the northeast corner of Building 10.

3.4.1.3 Pier

The south pier on Lot 70 is owned by NYCDOT. (The north pier is also part of the NYCDOT property but is not part of the proposed Lighthouse Center and Museum.) Access onto the pier was prevented by a chain link fence that was locked. Thus, observations of the pier were made at a distance. The pier is on wood pilings; the structural integrity of the pilings could not be ascertained. NYCDOT apparently uses the pier to dock boats, as well as for other storage and maintenance facilities. Posts with lights and an electrical box were evident. Cables for electricity extended from the electrical box to the adjacent ferry maintenance property. Near the chain link

fence were a metal plate and a decorative metal grate flush with the ground. The metal plate could not be lifted, and EDC could not identify its purpose. The decorative metal grate, similar to others on the esplanade, was subsequently identified by Johansson and Walcavage as a storm water drainage.

3.4.2 Interior Observations (Lot 60 Buildings)

The interiors of the buildings lacked utility service and were generally in disrepair, with broken windows; rotted floors; missing pipes, plumbing, and lighting fixtures; stairways and ceilings that had collapsed; evidence of occupancy by pigeons and vagrants; water in basement areas, and rubble and debris strewn throughout the rooms. Lighting fixtures were typically fluorescent, and of an age that would be indicative of PCB ballasts. Heating was primarily via steam heat, as indicated by the pipes, radiators, and other fixtures. Floor and ceiling tiles in many rooms were suspected ACM, and peeling paints may be lead-based (see Sections 3.6 and 3.7) Additional observations for the individual buildings are provided below.

3.4.2.1 Building 5, Utility Building/Laboratory

The doors and windows of Building 5 were locked and sealed to the point where no access was possible. The one-story structure has an attic crawl space with small broken windows on the north and south sides. Observers climbed a ladder to peer into the attic area, which showed a floor warped from water damage. In an attempt to provide visual access to the interior, EDC representatives used a sledgehammer to remove portions of a cinder block from a ground floor window to the west. However, the window behind the cinder block had iron bars over intact glass that mirrored external surroundings but did not provide a view of the inside. An attempt to remove part of a cinder block covering a window on the north was successful, but the fist-sized hole did not permit sufficient light to enter and illuminate the interior. Flashlights poked into the hole also were ineffective. EDC representatives, concerned about compromising the building's security to the point where birds or rain could enter, did not want to continue activities to enter or look into Building 5. Mr. Douglas Rice of EDC stated that the buildings would have been cleaned out before they were sealed up, and that no hazardous or toxic materials were likely to be stored in the building (see Section 8.2, Recommendations).

3.4.2.2 Building 6, Barracks and Galley

The first floor of Building 6 had concrete floors, brick walls, and ceiling tiles. Observers entered the building through Room 102, which appeared to be a small kitchen and eating area. A gas-fired pizza oven (Vulcan Hart, Baltimore) with a vent and fan to the outside was along the south wall of the room. The area near the oven also had approximately seven four-foot-long cylinders that were rusted and not readily identifiable. However, a tag on one of them identified it as a CO_2 fire extinguisher. Electric boxes, water and other utility pipes—one for fire suppression—were evident on the first floor. An empty gasoline can was also observed.

The second floor had showers (Room 205); toilets, washers and dryers (Room 206), and crew quarters (Room 206). Fluorescent lighting and steam heating units were observed on the ceilings. A ventilation fan to the outside was in the exterior wall of Room 202.

The broken windows in the third floor have allowed pigeons to enter and roost in Room 303. The floors in rooms 302 and 303 have rotted to the point where they are unsafe, particularly in Room 303. Evidence of human habitation was seen in discarded clothing, soda bottles, and boards on the floor marking the safe paths through the rotted floor areas. The fire escape outside Room 303 also appears to be a former point of access for homeless people. Sewer and water pipes were also noted on this floor.

Conditions on the fourth floor were similar to the third floor. Broken windows, roosting pigeons and unsafe floors created unsafe and unsanitary conditions. General observations included ceiling heating units, discarded clothing, a bathroom and shower with a floor drain, and floor tiles.

The attic was unfinished. Mattresses in the attic indicated former unauthorized human habitation. Green-painted pipes, approximately 3-1/2 inches in diameter, ran up to the roof.

3.4.2.3 Building 7, Administration Building

The basement of Building 7 includes a jail (Room B-11). A room with sewer and water pipes (B-12) appeared to be a former boiler room, but no oil tank or furnace was found. Rooms B-10, B-11, B-12, and B-13 were accessible, but B-09 and B-14 were flooded. Speculation on the source of the flooding included a nearby cistern (shown on the Sanborn maps), accumulation of rainwater, and possible saltwater intrusion from the bay. Observers did not notice any odors or discoloration of the water. The illumination from flashlights was insufficient to indicate the water depth, bottom conditions, or nature of other potential hazards in the water. Therefore, observers deemed it inadvisable to wade through Room B-09 to explore Room B-08. Rooms B-01 through B-06 could not be explored due to the poor condition of the staircase from the first floor (Room 101).

Dirt and debris filled the rooms on the first floor. The ceiling was covered with acoustic tiles (see asbestos section). Sheet rock covered some of the walls. Also observed were pipes for steam or hot water, electric fuse boxes, sewer pipes located in the closets, radiators, and a small fireplace.

The second floor was similar to the first floor. It had a fireplace, radiators, hot water or steam pipes, some rooms with wood panels or sheet rock over concrete walls, and tiles on the floor and ceiling. The "Bridge to Grade" from Room 220, indicated on Figure 5b, no longer exists.

The third floor has radiators, a kitchen area, a shower area, and several fireplaces. The fireplaces may have been gas-fired, as they appear to be too shallow for a wood fire. The north wall of Room 319 has a pipe, about 18 inches in diameter, facing into the room above what appears to be a bricked-up fireplace. The purpose of the pipe was not evident.

3.4.2.4 Building 8, Industrial Supply Warehouse

A narrow metal staircase with some broken and missing steps leads to the basement of Building 8 where observers noted a bathroom (Room B01), a hatchway and elevator pit (Room B03), and a room with brick platforms (Room B02) whose purpose was not clear. Room B02 also had a

metal grate of unknown purpose set into the common wall with Room B01 (see dotted line in Figure 6a).

Clumps of apparent ACM pipe wrap in deteriorated condition lay around the staircase on the first floor. The lack of electric lighting, coupled with the occasionally dangerous conditions of the floors, stairs, and ceilings, hampered exploration of some first floor and basement areas. This building appeared to have more broken glass, dirt, and debris on the floors that the others. Many lighting and plumbing fixtures have been removed. Lighting fixtures on the ceiling included both fluorescent and incandescent types. Also observed were rusted electric service boxes and various pipes and cables on the ceilings. Portions of some ceilings had collapsed.

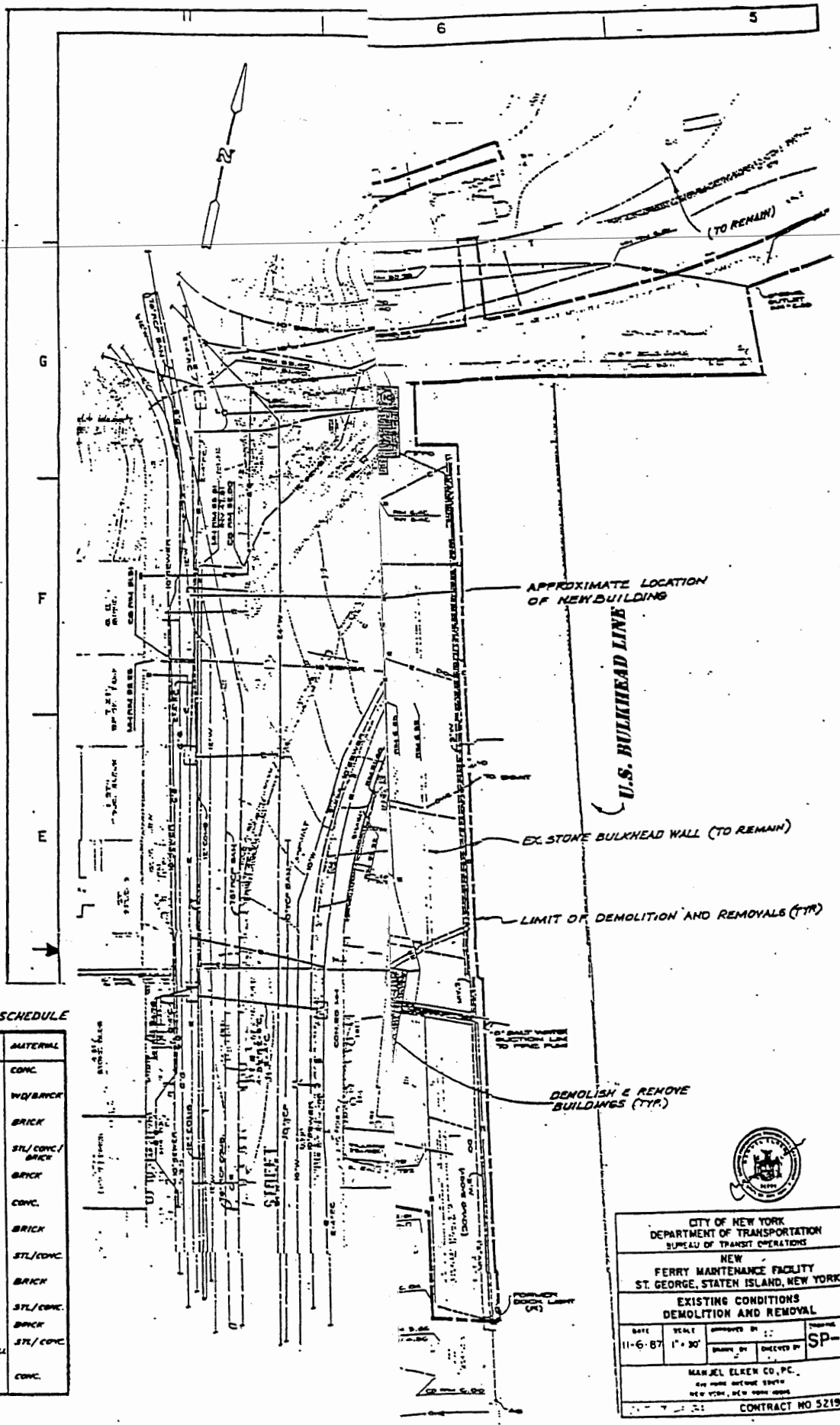
The conditions of the second, third, and fourth floors were similar to the first floor. The stairs on the fourth floor lead to an attic with floors that were rotted through in some places. Cables and pulleys with hoists for the elevator were also observed in the attic.

3.4.2.5 Building 10, South Shop

Building 10 is a U-shaped building. The doors have been welded shut; however, this is the only building with some first floor windows that are not bricked up. What appears as Room 108 in Figure 7 is currently an open courtyard area. Observers gained access by climbing through a broken window in this courtyard to Room 107. The first floor was characterized by dirt, debris, and graffiti. Evidence of former electrical service was evident in the electrical conduits, switchboxes, and fuse boxes, all in poor condition. An elevator and electric winch for the elevator were also observed. Near the ceiling were small heating units. They appeared to be of a type that would utilize steam heat with an electric fan to disperse the heat. Near the northwest corner was a utility conduit well with steam pipes that ran to the outside of the building. Also evident on the first floor were a bucket of fast setting cement and a gas cylinder that was behind a door near the elevator. Observers noted that the interior construction included brick walls and concrete floors. This floor also has skylights because the upper floors do not cover the full area of the first floor.

Wrought iron stairs led to the second floor, which also contained dirt, debris, graffiti, and broken windows. In some areas, the wood floors were covered with tiles that appeared to be ACM. Also evident were electric boxes and conduits, sewer pipes 5 inches in diameter, heating units and steam or water pipes near the ceiling, and holes in the walls and floor suggestive of former radiator locations.

Two sets of stairs led to the third floor. It was similar to the first and second floors, with broken windows, ceiling heating units, etc. Several rows of horizontal steam heating pipes were observed along one of the outside walls. In some areas, sheet rock had been placed over the brick walls, and carpeting had been placed on the floor. There was a bathroom on this floor. No drains were observed in the bathroom; however, debris obscured much of the floor. Old fluorescent lighting fixtures were observed on the ceilings. Room 309 in the east wing has what appears to be an old radar screen from which ships in or approaching the harbor could have been tracked.



BUILDING DEMOLITION SCHEDULE

STRUC. REF. NO.	DESCRIPTION	MATERIAL
2	STEEL STORAGE SHED 1 STORY (HGT. 15'±)	CONC.
7	DENTAL BLDG 2 STORY (HGT. 20'±)	WD/BRICK
8	SHIPS' STORAGE 2 STORY (HGT. 18'±)	BRICK
9	SHOP BLDG 3 STORIES (HGT. 30'±)	STL/CONC./BRICK
10	FUEL OIL SHED 1 STORY (HGT. 14'±)	BRICK
11	GARAGE 1 STORY (HGT. 15'±)	CONC.
14	PAINT LOCKER 1 STORY (HGT. 10'±)	BRICK
15	PLATE SHOP 1 STORY (HGT. 35'±)	STL/CONC.
16	CARPENTER SHOP 1 STORY (HGT. 33'±)	BRICK
17	POWER HOUSE 1 STORY (HGT. 30'±) a) SMOKE STACK DIA. 6' (HGT. 60'±) b) FUEL OIL TANK & PERIMETER CONC. WALL (HGT. 12'±)	STL/CONC. BRICK STL/CONC.
4	CISTERN UNDERGROUND	CONC.

Figure 10

1987 NYCDOT Map

3.4.2.6 Building 11, Machine Shop

Building 11 is a one-story building with a high ceiling, concrete floors, and brick walls. It has one large room (Room 102) and two smaller rooms (101 and 103). The two smaller rooms have tile floors. Steam heating units were observed near the ceiling. Fluorescent lights and electric boxes were also evident. The bathroom was filled with debris; thus no floor drains, if present, could be seen. Observers also noted pigeon droppings in the building. A concrete circle, of unknown purpose, had been cut into the floor in the middle of Room 102.

3.4.2.7 The Vaults

The vaults are one-story structures with high arched ceilings. Each has a small window above the door. Of the six, only Vault 5 could be unlocked and entered. It contained some dirt and debris. The concrete floor was blackened in some spots. The walls, which were stone to a height of about seven feet and brick above seven feet, also had some blackened areas. Electric light bulbs, rather than fluorescent lights, were observed in the ceiling. Near the ceiling at the back (west wall) of the vault was a metal hatch (probably intended for ventilation) filled with debris.

Observers climbed a ladder to look through the broken window above the door for Vault 6, which is shorter and narrower than the others. Due to a ledge over the door on the inside, only the far (west) wall could be seen in the dim lighting. The floor and other walls were not observable.

Doors to the remaining vaults could not be unlocked. Visual observations of their interiors through the windows was impossible partly due to their intact glass and partly because surface conditions and/or the proximity of the vaults to Building 5 impeded use of the ladder.

3.4.3 Summary of Interior and Exterior Observations

The buildings are generally in poor condition, and some areas could not be accessed for direct observation. However, no evidence of toxic or hazardous materials, other than potential ACM, lead-based paints, and fluorescent lights with PCB ballasts was found. No odors, lagoons, solid waste disposal, or stains in excess of 1 sq. yard were observed. Vegetation appeared to be healthy and unstressed. No aboveground or underground storage tanks were found. Two abandoned drums—a 5-gallon one and a 55-gallon one—were observed.

3.5 Site Utilities

Potable water and sewer service in the area is provided by the borough of Staten Island. Electricity is provided by Consolidated Edison. Brooklyn Union Gas Company provides natural gas service. Although service to the site is available, none of the buildings has active utility service.

The 1981 Manuel Elkin study and the1987 NYCDOT map address the location of underground utilities. These documents verify the site reconnaissance observations regarding the use of steam heat. Of particular interest is a utility tunnel with electric, gas, water, steam, and compressed air

service lines running north-south beneath the current walkway to serve Buildings 6, 7, 8, and 10 (see Figure 10). The tunnel is about 3 feet wide by 4 feet high and was constructed of stone masonry between 1903 and 1943. Also noted on the NYCDOT map of the subject site are the following underground utilities:

- Meter vault in the upland area near Bay Street and the Post Office;
- Water meter near the current north entrance.
- 50 gpm sanitary sewer pump station in the upland area halfway between Building 7 and Bay Street;
- Gravity sewers from former buildings in the upland area to the waterfront; and
- Cistern, about 25' by 30' in size, between Buildings 7 and 8;

As of 1982, a combined sanitary and storm water sewer system, identified on available drawings as "sewer", discharged directly into the bay in violation of current water quality regulations (Manuel Elkin Co, 1982).

3.6 Radon

Radon gas, a product of radioactive decay of uranium-238 and thorium-232, has been identified as a cause of lung cancer from studies of uranium mineworkers. The natural occurrence of radon gas became widely publicized in the eastern United States following the discovery of extremely high levels in Boyertown, PA in December 1984. This area is classified as Zone 3 for radon, indicating that the average indoor level in the area is <2pCi/L. The sixty-one (61) sites tested for radon in Richmond County, which is applicable to the site, showed a geometric means of 0.670 pCi/L (living area) and 1.250 pCi/L (basement). This radon level would not constrain the site for its proposed use.

3.7 Asbestos

TRC Environmental Corporation (TRC) was retained by New York City Economic Development Corporation (EDC) to conduct an asbestos survey and limited lead bulk sampling. The survey was limited to Buildings 6, 7, 8, 10, and 11. The survey team conducted a systematic area by area survey to determine the presence of suspect asbestos-containing materials and to collect quantity information for confirmed ACM. The field survey was conducted on February 15 through 22, 1999.

An asbestos-containing material (ACM) is defined as any material containing more than one percent of asbestos. Suspect ACM was grouped into homogeneous materials. Bulk samples were collected from each homogeneous material and submitted to an independent accredited laboratory for asbestos analysis.

A summary of homogeneous material and number of samples and ACM by building, as it appears in the report by TRC, is presented below. Due to the poor condition of Building 7, TRC was unable to access: 1) the front wing of the basement due to flooding, and 2) concealed spaces behind walls and floors in collapsed areas.

Building 6: Thirty-two homogeneous materials were observed and 60 asbestos bulk samples were collected from those materials. Samples from the following materials were identified as ACM.

Surfacing Materials:

- Exterior parging

Thermal System Insulation:

- Pipe insulation throughout building
- Tank insulation

Miscellaneous Material:

- Roof slate shingle
- Exterior window caulking
- Vinyl floor tiles
- Floor tile felt (asbestos contaminated)
- Transite panels
- Transite pipe

Building 7: Thirty-eight homogeneous materials were observed and 68 asbestos bulk samples were collected from those materials. Samples from the following materials were identified as ACM.

Surfacing Materials:

- Wall plaster

Thermal System Insulation:

- Pipe insulation

Miscellaneous Material:

- Roof membrane tar and felt
- Vinyl floor tiles
- Felt (asbestos contaminated)
- Exterior window caulking

Building 8: Fifteen homogeneous materials were observed and 33 asbestos bulk samples were collected from those materials. Samples from the following materials were identified as ACM.

Surfacing Materials:

No surfacing materials were observed.

Thermal System Insulation:

- Pipe insulation

Miscellaneous Material:

- Felt stair tread material
- Exterior window caulking
- Vinyl floor tiles throughout building
- Floor tile felt (asbestos contaminated)
- Elevator brake shoes (assumed ACM)

Building 10: Fifteen homogeneous materials were observed and 58 asbestos bulk samples were collected from those materials. Samples from the following materials were identified as ACM.

Surfacing Materials:

- Exterior parging

Thermal System Insulation:

No suspect thermal system insulation was observed.

Miscellaneous Material:

- Roof Membrane Tar (assumed ACM)
- Roof Felt
- Exterior window caulking
- Vinyl floor tiles
- Floor tile felt and mastic(assumed ACM)
- Transite panels
- Brick tar on court yard wall

Building 11: Fifteen homogeneous materials were observed and 15 asbestos bulk samples were collected from those materials. Samples from the following materials were identified as ACM.

Surfacing Materials:

No surfacing materials were observed.

Thermal System Insulation:

No thermal system insulation was observed.

Miscellaneous Material:

- Roof Felt
- Vinyl floor tiles
- Black tar on drain gutter
- Brick tar debris

3.8 Lead Paint

According to HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, paint that contains at least 0.5 percent lead is considered lead-based paint. However, according to the United States Department of Labor's Occupational Safety and Health Administration (OSHA) regulation for the Construction Industry, 29 Code of Federal Regulations (CFR) 1926.62, paint that contains any amount of lead is considered to be lead-based paint. Therefore, according to OSHA, a contractor who will disturb paint that contains lead in any amount should comply with the requirements of 29 CFR 1926.62.

TRC Environmental Co. collected paint samples (chips) from Buildings 6, 7, 8, 10, and 11. All five buildings contained some areas of lead-based paint, with individual sample results ranging from 0.10 percent lead to 58.96 percent lead. See Table 2 for a summary of the paint chip samples collected in each building, the location where the sample was collected, the substrate the sample was collected from, and the analytical result for each sample. Although lead abatement is not mandated by the Building Code for non-residential buildings, future museum occupancy of the buildings will include young children. Therefore, lead abatement procedures should be adopted for the removal or encapsulation of lead-containing surfaces.

Table 2
Summary of Lead-Based Paint Sample Analytical Results
St. George Coast Guard Site, Staten Island, New York

Building	Location	Surface Component	Result (% Lead)
6 Utility Building	Room 105	Brick column	0.45
	Room 101	Metal frame	0.56
	Room 201	Metal door	0.496
	Room 301	Window frame	3.53
	Room 403	Metal column	29.81
	Room 403	Brick wall	0.54
7 Administration Building	3rd Floor	Window frame	1.51
	3rd Floor	Door frame	5.23
	2nd Floor	Stairs handrail	0.55
	Room 214	Wall coating	17.5
	1st Floor	Stairs metal deck	0.91
8 Industrial Supply Warehouse	Attic	Metal roof truss	4.98
	4th Floor Stairs	Metal column	0.11
	3rd Floor Window	Wood frame	5.46
	Room 202	Metal door frame	58.96
	1st Floor (Back Entrance)	Wood door	44.91
10 South Shop	1st Floor Entrance	Brick wall coating	0.17
	Room 112	Window frame	15.0
	Staircase	Metal handrail	0.37
	Elevator Door	Metal door	0.10
	Room 311	Brick wall coating	0.46
11 Motor Shop	Exterior Window	Wood frame	23.8

Source: TRC Environmental Corporation, 1999

3.9 Site Hydrology and Geology

The site's geological, groundwater, and surface water characteristics, described below, would not constrain the site for its proposed use as a lighthouse museum.

3.9.1 Geological Conditions

The site is situated atop till deposited beneath Upper Pleistocene glaciers. Site-specific data are needed to determine if the sedimentary Upper Cretaceous Raritan Formation is sandwiched between the glacial till at the surface and crystalline bedrock. According to New York State Museum and Science Service (1970), the Raritan underlies the glacial material while Soren (1988) maps the northern limit of the Raritan Formation well south of the site.

All deposits overlying bedrock are unconsolidated. In the vicinity of the site, the surface of underlying crystalline bedrock occurs 50 to 100 feet below sea level. Bedrock appears to be the Staten Island Serpentine intrusive very near its contact with the metamorphic Manhattan Schist. If present, the Raritan Formation consists of stratified white, light to dark-gray, and red beds and

lenses of clay, silt, and sand with lignite and pyrite common. The till deposits are mainly reddish-brown and clayey.

3.9.2 Groundwater Characteristics

Fresh groundwater on Staten Island is found in bedrock and the overlying unconsolidated units. The site is adjacent to the tidal waters of The Narrows and site-specific data are needed to determine the position of the freshwater/salt water interface here.

Fresh groundwater found at the subject site is classified for use by the New York State Department of Environmental Conservation as GA (New York State Codes, Rules and Regulations, Title 6, Chapter X, Parts 700-706, as amended August 1999). The best usage of GA waters is as a source of potable water supply.

Naturally occurring saline groundwaters are classified as GSA or GSB depending on chloride and total dissolved solids concentrations. The best usages of Class GSA waters are as a source of potable mineral waters for conversion to fresh potable waters, or as raw material for the manufacture of sodium chloride or its derivatives or similar products. The best usage of Class GSB waters is as a receiving water for disposal of wastes. Naturally occurring fresh groundwater systems that have been intruded due to overpumping are still classified as GA.

The general topographic gradient at the target property is towards the east. However, no hydrogeologic data for the subject site are available to verify the direction of groundwater flow.

3.9.3 Surface Water Characteristics

The site is located immediately adjacent to The Narrows of New York Bay. These are tidal waters. No other surface waterbody is identified nearby the site on the Jersey City USGS topographic quadrangle.

4.0 CURRENT AREA CHARACTERISTICS

4.0 CURRENT AREA CHARACTERISTICS

4.1 Area Characteristics

The subject site is in the St. George section of Staten Island, a waterfront area characterized by downtown commercial, residential, transportation, and institutional uses. Waterfront properties previously used for industrial purposes are being converted to residential and commercial uses. The Staten Island Rapid Transit railway runs through the neighborhood on a north-south axis, passing beneath the site through a tunnel and terminating at the St. George Station, which also includes a ferry and bus terminal.

4.2 Area Utilities

The area is supplied with municipal water and sewer services. Natural gas is supplied by Brooklyn Union Gas Company, and electricity is supplied by Consolidated Edison.

4.3 Abutting Properties

The south pier on Lot 70 is bounded by the remainder of Lot 70 (including the north pier associated with NYCDOT's ferry maintenance building) on the north, the Upper New York Bay on the east, a pier associated with a former industrial warehouse on the south, and part of the subject site (Lot 60) on the west.

Directly north of Lot 60 are commuter parking and a pedestrian bridge to the St. George Station. The station includes a bus terminal, ferry terminal to Manhattan, railroad station, and commuter parking facilities.

The ferry maintenance building owned by NYCDOT, which is also on Lot 60, is adjacent to the subject site on the east. Constructed in 1993, it stands on land that was formerly part of the property occupied by the U.S. Lighthouse and later the U.S. Coast Guard. During site visits, observers noted acetylene tanks on the southeast corner of this property, near the water. This site also has a three-story office building.

Immediately adjacent to the site on the south is Bayview Tower, a seven-story former warehouse undergoing conversion to condominiums.

The U.S. Post Office occupies part of the area adjacent to the western boundary of the subject site. In addition, west of Lot 60, across Bay Street, is a triangular roadway median with a bus stop, the St. George branch of the New York Public Library, and the Chemical Bank building. To the north and northwest, across Bay Street, is the Staten Island borough hall.

4.4 Land Uses in Proximity to Site

The area surrounding the property is a mix of residential, commercial, and institutional uses. Land uses to the north are primarily transportation-oriented. North of the Staten Island ferry, bus, and rail terminal is a former rail yard and piers for the Staten Island RR. Beyond this area is the intersection of the Kill Van Kull and the Upper New York Bay, where waterfront uses include a U.S. Naval Station and a substantial concentration of fuel tanks on Constable Hook. To the south of the site are former industrial warehouses undergoing conversion to residential and commercial uses as part of the Bayview Landing development, the Tomkinsville rail station, and a stack associated with a power plant. West of the site are downtown banks, restaurants, real estate offices, municipal parking lots, etc., mixed with residential uses. Institutional uses dominate the area northwest of the site, including Staten Island Borough Hall, Richmond County Courthouse, the College of Staten Island, and the Staten Island Museum.

5.0 SITE HISTORY

5.0 SITE HISTORY

The information developed during the site history review is a preliminary means of assessing the potential for hazardous material contamination of the subject site.

5.1 Information from Previous Studies

The Stephenson (1977), Jan Hird Pokorny Associates, Inc. (1997, and Manuel Elkin Co., P.C. (1982) studies included background information on historic uses at the site. This information is summarized below.

The subject property was a marine quarantine facility in the early 1800s. An 1845 map in the Manuel Elkin report shows the subject site at South Street and Union Tompkins Avenue (now Bay Street) with hospital buildings, a residence, a large garden, and a pier. The brick retaining wall that currently separates the site from Bay Street may be the wall shown along Union Tompkins Avenue on this map. According to the Pokorny report (1977), the wall predates the Lighthouse Service ownership and may date back to the Revolution.

From 1863 to 1939, the property was taken over by the Third District U.S. Lighthouse Depot and was the headquarters of the U.S. Lighthouse Service. Most of the structures currently on-site, as well as additional structures that have been demolished, were constructed during this period. This includes Building 5 (constructed 1917), Building 6 (constructed in 1864), Building 8 (constructed in 1868) and Building 7, which was constructed in three phases using three different construction methods between 1868 and 1918. The third phase connected the three previously separate buildings. Building 10 was constructed in 1906, and Building 11 was constructed in 1912. The vaults, which have ventilation grates near their ceilings, were constructed in 1886. An 1896 map in the Manuel Elkin report additionally shows several buildings and a network of roads and paths in the upland area that are oriented towards South Street and Borough Place. In the 1896 map, the rear (west side) of Building 7 is connected to a road in the upland area via stairs or possibly the second floor walkway shown in Figure 5b. The documents indicate that Building 7 was the original headquarters of the U.S. Lighthouse Service. Building 10 is a lamp shop. A shipping and receiving building (no longer in existence) is adjacent to the north end of Building 6, and it also abuts the entrances to Vaults 5 and 6. Historic photos of the pier show an old cast-iron lighthouse located at the end of the pier to act as a marker and beacon.

The U.S. Coast Guard took over the site from 1939 to 1966, after which their operations were moved to Governor's Island. During the Coast Guard's occupancy:

- Building 5 was used as a utility building ;
- Building 6 was used as a barracks and galley;
- Building 7 was used as an administration building;
- Building 8 was the industrial supply warehouse;
- Building 10 was used as a machine shop ; and
- Building 11 was a motor repair shop, most likely for diesel motors.

- The six storage vaults were used to store oil and supplies. Although the reports do not mention the specific types of materials stored in the vaults, the 1917 Sanborn fire insurance map shows the vaults used for oil storage.

The site was next occupied by the NY Harbor Pilot's Association until 1982, when New York City purchased the site to accommodate the expansion of ferry maintenance operations by the New York City Department of Transportation (NYCDOT). The 1987 NYCDOT map shows some structures that are no longer present on the subject site. They include:

- 1-story brick building labeled Lower Gate House, built in 1910, near what is now the north entrance.
- 1-story brick frame structure between Buildings 6 and 7.
- Wood-frame structure (the shipping and receiving building) adjacent to Building 6 and the vaults
- 1 story, wood-frame greenhouse on the hill behind (west of) Building 7.
- 1-story brick and frame garage, near the greenhouse on the hill behind Building 7.
- An asphalt walkway leading from the second-story bridge on Building 7 to the greenhouse and garage.
- Two residences in the upland area north of the Post Office, one with 2 stories and one with 3 stories. Both had slate patios facing Bay Street. The northmost residence also had a garage.
- 1-story wood-frame Enlisted Men's Club, constructed in 1944, in the corner south of Building 8 and west of Building 10. The building had a wooden porch and steps.
- 1-story wood and frame building north of Building 11, constructed in 1943 and labeled as an Engine Clean and Storage House.
- 1-story concrete Lumber Storage Shed, constructed in 1927, east of Building 11 near the southeast corner of the site.
- A former engine parts storeroom, located adjacent to the south side of Building 11, demolished in August 1982.
- 3-story concrete building constructed in 1907, north of Building 11 and the Engine Clean and Storage House, labeled Machine Shop.

NYCDOT demolished some of the buildings on Lot 60 in the early 1990s to make room for the Ferry Maintenance Building and slips. The piers on Lot 70 were also reconstructed at that time.

The remainder of the Lot 60 is under the jurisdiction of EDC. EDC constructed a waterfront esplanade and plaza in 1995 to provide public access between the Ferry Terminal, the former coast Guard site, and points south.

5.2 Historical Sanborn Fire Insurance Maps

Fire insurance maps are useful in identifying historical land uses at the subject property and adjacent areas, as well as potential areas of environmental concern. They typically document land use, structural changes, street addresses, occupants, gas storage areas, raw material pilings and types of products manufactured and/or stored on site. A search for Sanborn fire insurance maps revealed that the coverage exists for the subject property for the years 1898, 1917, 1937, 1950, 1977, 1981, 1991, 1992, 1993, 1994, 1995, and 1996.

- **1898**

Although the lighthouse depot was constructed in 1863, no Sanborn map is available for the site.

- **1917**

The property currently designated as Lot 60 is at the southeast corner of Borough Place (South) and Bay (Stuyvesant) Place. It is identified as the U.S. Lighthouse Depot. The depot also encompasses the area currently designated as Lot 55 and the area occupied by the ferry maintenance building. Notes on the map indicate that the site uses steam and electricity and that it burns coal for fuel.

The subject site area includes storage facilities, arched oil vaults, carpenter shops, a coal shed, lumber sheds and a lamp, brick, and tile shop. Some buildings no longer present on the site include a machine shop and a storage building north of Buildings 10 and 11, as well as some lumber storage sheds east of Building 11. Some building uses differ from their present designations. Building 5 is a laboratory, Building 6 is shown as storage, Building 10 is a lamp shop, and Building 11 is a foundry. Another structure, identified in the Manuel Elkin report as a shipping and receiving building, is adjacent to the Vaults and Building 6. Building 7 appears as three separate buildings. On the hill behind these buildings are structures for a fire engine and hose carts. Two apparent dwelling units are in the upland area facing Bay Street. Additional site characteristics include an eighteen-foot high brick wall that runs along the southern border of the site, a three-inch water pipe that bisects the site on an east-west axis, and a six-inch water pipe that bisects the site on a north-south axis.

Lot 70 consists of the North and South Wharves and a basin. The portion of Lot 70 that is part of the subject site is the South Wharf.

- **1937**

The 1937 map shows the Post Office in its present location; it is no longer part of the lighthouse depot and has a 10-foot high wall along its northern boundary with the site. A stone and concrete tunnel for the SIRT RR tracks now runs beneath the site from south to north. Some structures have changed on Lot 60. The carpenter shop north of Building 11 is now a machine shop, the lumber sheds east of Building 11 have been replaced with boat storage sheds, Building 10 is listed as a storage building, and additional construction has joined together the three separate buildings into Building 7. Building 7 appears to be used for offices. One of the hose cart structures behind Building 7 has disappeared. The southern boundary of the site is no longer identified as a brick wall. The Wharves in Lot 70 are more developed, starting farther inland, west of the U.S. Bulkhead Line. They also extend nearly 400 feet further into the water. They are shown as concrete piers on woodpiles.

- **1950**

Lot 60 is now designated as the U.S. Coast Guard N.Y. District Depot. With the exception of a new 1-story building south of Building 8 and north of Building 10, no significant changes have occurred. Although the building is labeled as storage, it appears to be the Enlisted Men's Club noted on the 1987 NYCDOT map. Lot 70, still labeled as the Lighthouse Department, has remained structurally unchanged since 1937.

- **1977**

Both Lots 60 and 70 are essentially the same as shown on the 1950 map.

- **1981**

In Lot 60, a storage building north of Building 10 has been eliminated to make space for a parking facility. No other significant changes are apparent.

- **1991**

The 1991 map is substantially different from the 1981 map. Structures in the upland area are no longer present. Only 5 buildings (#s 6, 7, 8, 10, and 11), all vacant, are shown. Building 5 and the vaults, which are currently on the site in 1999, are no longer shown on the Sanborn map. The Wharves and basin of Lot 70 have been eliminated.

- **1992, 1993, 1994, 1995, 1996**

The 1992 Sanborn map shows the existing pier configuration on Lot 70. Lot 60 is unchanged from the 1991 map The 1993-1996 maps are essentially the same as the 1992 map.

5.3 Historical Aerial Photographs

Aerial photographs also are used, in conjunction with other historical information, to determine prior land usage and/or conditions. Aerial photographs from 1953, 1966, 1975, 1984 and 1995 were reviewed with the following results:

- **1953**

In Lot 60, the photograph shows the rail track running into a tunnel at the south end of the lot. The aerial photograph appears to show the same buildings identified on the Sanborn maps during this time. Ships are apparent at the piers on Lot 70. Overall, the aerial photograph is consistent with the information shown on the 1950 Sanborn map.

- **1966**

This photograph is consistent with the 1950 and 1977 Sanborn maps. Ships are evident at the piers on Lot 70.

- **1975**

This photograph resembles the 1966 photograph.

- **1984**

This photograph is similar to the 1975 photograph, except that the piers on Lot 70 are vacant of ships.

- **1995**

The changes represented on the Sanborn maps between 1981 and 1992 are reflected in this aerial photograph, although the quality of the photo is poor.

5.4 Historical City Directories

City directories have been published for cities and towns across the U.S. since the 1700's. Originally a list of residents, the city directory developed into a sophisticated tool for locating individuals and businesses in a particular urban or suburban area. Twentieth century directories are generally divided into three sections: a business index, a list of resident names and addresses, and a street index. With each address, the directory lists the name of the resident or, if a business is operated from this address, the names and type of business (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural areas and small towns. ASTM E 1527-97 specifies that a "*review of city directories (standard historical sources) at less than approximately five year intervals is not required by this practice.*" *(ASTM E 1527-97, section 7.3.2.1, page 11.)*

The Cole Cross Reference directory provides information on tenants and land uses at the subject site. The 1971, 1976, 1981, 1986, 1990 and 1999 directories were reviewed. In general, they provide very little useful information about the site. The target property at Bay Street/Borough Place apparently was not listed in the directories for 1971 through 1999. An address at 5 Bay Street, which may have been on the northwest corner of the subject site, was listed as residential in the 1971 and 1976 directories.

5.5 Chain of Ownership

A fifty-nine year chain of title study was carried out for the property by Ameristar Information Network, Inc. No environmental liens or deed restrictions were discovered filed on the property. The results show that the property at Lots 60 and 70, Block 1 in Staten Island, NY is currently owned by the City of New York. On September 21, 1983, the People of The State of New York, who owned the property prior to 1940, conveyed the property to the City of New York.

5.6 Government Contacts

5.6.1 New York City Department of Health (NYCDOH)

A request for information under the Freedom of Information Act was sent to NYCDOH, which forwarded the request to the Bureau of Environmental Investigations (BEI). A response received on August 6, 1999 stated that BEI had no record of an investigation at this address.

5.6.2 New York City Department of Environmental Protection (NYCDEP)

Information was requested from this agency under the Freedom of Information Act (FOIA). On September 9, 1999, a response from the Bureau of Air, Noise, and Hazardous Materials stated that the Asbestos/Lead Control Program search yielded no files on the subject site. A response from the Bureau of Air, Noise, and Hazardous Materials, Division of Air, Noise, & Hazardous Materials, dated September 15, 1999, also indicated that no information was available.

5.6.3 New York City Fire Department

A request for information was sent to the NYC Fire Department. The response, dated September 1, 1999, stated that no records were found.

5.6.4 New York State Department of Environmental Conservation

The New York State Department of Environmental Conservation (NYSDEC) was contacted in writing under the Freedom of Information Law (FOIL). NYSDEC's response, dated August 25, 1999, stated the agency had no information on the subject site regarding bulk storage, oil spills, and solid waste.

5.6.5 U.S. Environmental Protection Agency

A request under the Freedom of Information Act (FOIA) was sent to the USEPA requesting information on the site. A response received on September 8, 1999 requested additional

information for the facility name and/or a street address. Subsequent conversations with EPA resulted in an internet web search of the EPA's on-line databases. No information on the target property was uncovered.

5.7 Interviews

The purpose of the interview process is to collect unrecorded information concerning the past usage of and activities associated with the subject property.

5.7.1 NYC Economic Development Corporation

Mr. Douglas Rice, a Vice President at EDC, stated during the site visit on 8/19/99 that all of the buildings, including the vaults and Building 5, would have been cleaned out prior to being locked and sealed with construction blocks. He further stated that the presence of toxic or hazardous substances in any of the buildings or areas that could not be accessed was unlikely.

5.7.2 NYC Department of Transportation

Mr. Sakti Nandi, Project Engineer for the Staten Island Ferry, was the project engineer for the construction of the ferry maintenance building. He stated that the demolition of buildings and removal of any underground tanks and materials was in compliance with all applicable state and federal regulations. With regard to the sanitary sewer system, he concurred with the report by Manuel Elkin Co. that indicated that raw sewage was discharged to the bay and not pumped to a treatment plant.

5.7.3 Johansson & Walcavage, Landscape Architects

Johansson & Walcavage is a landscape architecture firm that designed the North Shore Esplanade Extension that was constructed on the site in 1995. The esplanade runs from the outdoor stairs of the ferry terminal, to the bus ramp, to the pedestrian bridge and tower, to Bay Street, and down to the Bay View Landing development south of the subject site. Ms. Donna Walcavage stated during a telephone interview on 9/28/99 that the firm was unaware of any environmental studies conducted for the esplanade. She also stated that the decorative grates set into the walkway were for storm drainage.

5.7.4 J.H. Pokorny Associates, Inc.

J.H. Pokorny Associates prepared an adaptive reuse report on the subject site. In an interview on 9/30/99, Richard Piper stated that he has visited the site several times and believes that the water in the basement of Building 7 is rainwater. He noted that utility tunnels are at the same level as the basement, but have no water in them. With regard to the sanitary sewer drainage for the site, he concurred with the information in the Manuel Elkin report that indicated that raw sewage from the site was discharged into the bay. His research on the site indicates that very little new construction occurred after 1915. The bay was in poor condition at that time, and the discharge of raw sewage could have been considered acceptable. To the best of his knowledge, the site did not contain any septic tanks or other alternative means of handling the sewage. However, two former homes in the upland area may have been connected to the city sewage system.

6.0 AREA HISTORY

6.0 AREA HISTORY

6.1 Historical Sanborn Fire Insurance Maps

Fire insurance maps are useful in identifying historical land uses at the subject property and adjacent areas, as well as potential areas of environmental concern at and around the subject property. They typically document land use, structural changes, street addresses, occupants, gas storage areas, raw material pilings and types of products manufactured and/or stored on site. Sanborn Fire Insurance Maps from 1898, 1917, 1937, 1950, 1977, 1981, 1991, 1992, 1993, 1994, 1995, and 1996 were reviewed.

- **1898**

  The 1898 map shows docks and corrugated iron piers in the area south of the site. Stuyvesant Avenue, Arrietta Street, and the railroad tracks are shown. Stuyvesant Avenue runs along with a segment of the railroad tracks and adjacent to Lots 55 and 60. Borough Place is shown as South St. To the west and northwest, the maps indicate blocks laid out for development, many of which are residential buildings. Some nonresidential uses include a laboratory, Bresller's Livery, and the Dutch Reformers Church. One building that stands to the northwest of the target site, formerly the Brighton Heights Seminary, now stands vacant.

- **1917**

  The 1917 map shows the wharves, basin, and U.S. Lighthouse buildings on the area that is now occupied by the ferry maintenance facilities east of the subject site. Structures include carpenter shops and a coal shed. To the south is an area of well developed piers and multi-story warehouses. The SIRT rail tracks are on a north-south alignment. They appear to be at-grade until they reach the tunnel beneath Lot 60. The lots to the west and northwest show more development. Four automobile shops stand along Stuyvesant Place, facing the target site. The Evelyn Lodge Boarding House and Annex, as well as the N.Y. Telephone Company, two laundromats, a movie theatre, a plumber shop, a livery, a vacant building, a shed, and more auto shops, are also in the area. The size and location of the buildings labeled as "auto" indicates they may be private garages rather than auto shops.

- **1937**

  The 1937 Sanborn map shows the adjacent area north of the site to be occupied by a parking lot. To the northeast, where the St. George Station is currently located, are buildings, slips, and piers under the jurisdiction of the City of New York Department of Plants and Structures. The fire boat station, Staten Island-Bay Ridge Ferry, several lay-up slips, a carpenter shop, and additional automobile parking is also evident. Just west of this area is the point at which the railroad tunnel ends. The lighthouse facilities adjacent

to the subject site on the east now include a machine shop and boiler shop. The wharves and piers have been extended further into the water. The area south of the site is still occupied by piers and warehouses. However, the piers extend further into the water. Several large structures stand northwest of the site, including the City of New York Richmond Borough Hall, the Richmond County Court House, the McGregor Arms Apartments, the Staten Island Savings Bank, the St. George Theatre, the St. George Court, the Staten Island Club, the Beverly Apartments, and the Hotel Stuyvesant. There are ample parking facilities in this area to accommodate these buildings.

The intersection of Stuyvesant Avenue, South Street, and Hyatt Street (as it was represented in 1898) looks quite different in 1937. That same intersection is now known as Bay Street, Borough Place, Hyatt Street, Stuyvesant Place, and Richmond Terrace. On the southwest corner of this intersection, just west of the site, now stands the St. George Branch of the N.Y. Public Library, Bonfire Apartments, and the Corn Exchange Bank Trust Company building. The area west of the target site shows predominantly rooming or residential structures and parking facilities. Included in this area is a medical arts building, a machine storage facility and laundromat (both on St. Marks Place), and a carpet cleaning shop (on Montgomery Avenue, three blocks from the site).

- **1950**

The area north of the target area appears to be more developed than in 1937, and it is now labeled the City of New York Department of Marine & Aviation, St. George Terminal of Ferry to Whitehall Street (Manhattan). The developed area extends farther east, with several slips, two of which are designated for the Staten Island 69th Street Ferry. Several viaducts for parking and bus loading serve the ferry facilities. The former lighthouse facilities adjacent to the subject site on the east are now under the jurisdiction of the U.S. Coast Guard. There are few significant changes west and south of the target area. Northwest of the site, the Elks Club has replaced the Staten Island Club. The machine storage facility to the west has been replaced by a clothing manufacturing facility.

- **1977**

The areas north, east, and south of the site in 1977 look identical to those in 1950. To the northwest, Richmond College, the City University of New York, has been introduced to the area. The Elks club has been replaced by the Harbor View South Apartments. West of the target site, one-half of the Central Avenue/St. Marks Place block has been converted to a parking facility. An open-deck parking garage is also located on Central Avenue. In this area also stands the Department of Welfare and the Department of Motor Vehicles. The Corn Exchange Bank is now known as the Chemical Bank Building.

- **1981**

  The primary difference between the 1977 and 1981 maps is that a building adjacent to the subject site on the east has been demolished and replaced with a parking lot.

- **1991**

  The areas north and west and of the site look similar to those in 1981. Many of the warehouse buildings south of the site have been demolished, and the piers are vacant. However, the warehouse building immediately adjacent to the subject site on the south still stands. Some new buildings along Victory Boulevard to the south include the Bay Street Landing Apartments complex. This complex includes three residential buildings, a health club, tennis courts, and 2 parking lots. A small roadway, known as Bay Street Landing, which was not previously noted, can now be seen just west of the piers. To the east of the target site, the former Light House and Coast Guard buildings, as well as the North and South Wharves, have been demolished.

- **1992, 1993, 1994, 1995, 1996**

  These maps show the new Staten Island Ferry Maintenance Facility on Lot 60 and two new piers on Lot 70. The large parking facility on the Central Avenue/St. Marks Place block is now known as the St. George Parking Field.

6.2 Historical Aerial Photographs

The photographs reviewed were taken during 1953, 1966, 1975, 1984 and 1995.

- **1953, 1966, 1975**

  These photos are consistent with the information shown on the Sanborn maps for 1950 to 1981. Across Bay Street, to the west and northwest of the site are a series of high-rise buildings representing the residential, commercial and institutional uses cited in the Sanborn maps. The Staten Island-Bay Ridge Ferry and a fireboat station are evident north of the site, along with facilities for parking and bus loading. In Lot 70, the North Wharf has another pier branching off the pier shown in the 1937-1981 Sanborn maps. As indicated on the 1950 to 1981 Sanborn maps, the area south of the site shows a series of warehouse facilities with four piers.

- **1984**

  The 1984 photograph shows that the areas to the north, east, and west look similar to the 1975 photograph. The area to the south shows two high-rise buildings and two lower buildings surrounding tennis courts and two parking lots that appear to be associated with the Bay Street Landing Apartments. There is also a high-rise building standing immediately southeast of the target site, which corresponds to the vacant building depicted on the 1991 Sanborn map.

- **1995**

  Although a bit overexposed, the 1995 photo is similar to the 1984 photo, except for the adjacent area on the east. Here, the replacement of the North and South Wharves with new piers, as well as the new Staten Island Ferry Maintenance Facility, are evident.

6.3 Historical Topographic Maps

Historical topographic maps show a precise detail of the shape, elevation and development of the land. They can, in some cases, document the history of a property and the surrounding area. In this instance, topographic maps published by the United States Geological Survey were examined for the years 1897, 1925, 1955, 1966, 1967, 1979, and 1981.

- **1897**

  The 1897 topographic map shows the Staten Island Rapid Transit Railroad traveling along the eastern shore of Staten Island on a north-south alignment. Some track segments cross over inlets or bays. At the site, the tracks go underground, as is consistent with the Sanborn maps. The placement of the piers, wharves and area buildings is also consistent with the Sanborn maps of 1898 through 1981. At Constable Point, to the north across the Kill Van Kull waterway, are a large number of fuel tanks.

- **1925**

  The 1925 topographic map is substantially similar to the 1897 map, although there is additional pier development south of the site. The eastern coastline in the vicinity of these piers extends further to the east, indicating that the waterfront area has been filled in. As a result, the SIRT tracks appear to be farther inland and no longer cross over patches of open water.

- **1955, 1967, 1981**

  These topographic maps provide no additional useful information. They generally depict the conditions already described in the Sanborn maps and aerial photos for corresponding years.

6.4 Historical City Directories

City directories were reviewed at approximately five-year intervals for the 1971, 1976, 1981, 1986, 1990 and 1999. They provide no additional useful information.

6.5 Previous Studies

The 1982 study by Manuel Elkin Co. identified many of the buildings formerly used by the U.S. Lighthouse service and the Coast Guard on the adjacent site to the east. These buildings were subsequently demolished to make way for the North Shore Esplanade Extension and the new ferry maintenance building. Figure 11, taken from the Manuel Elkin report, identifies these buildings and shows the north and south wharves.

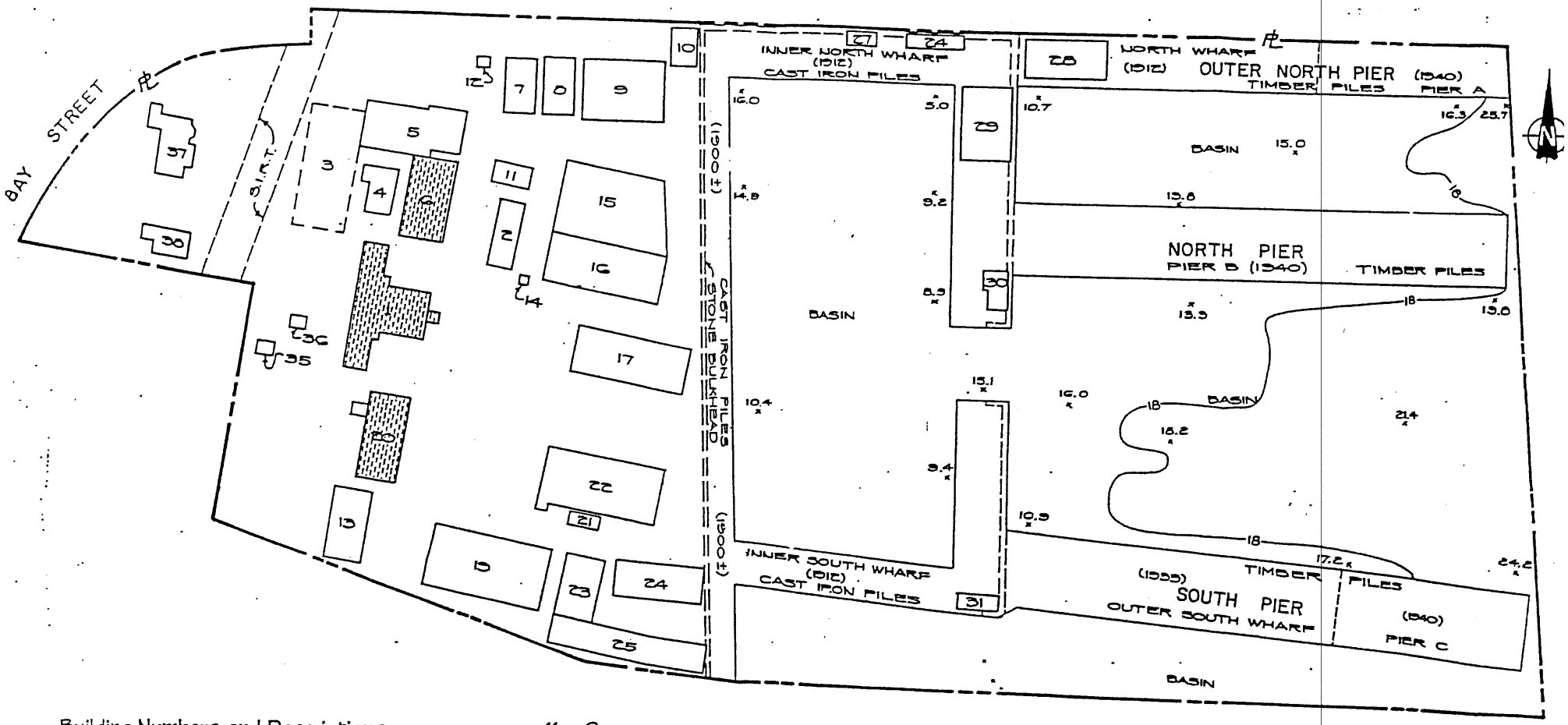
The 1987 NYCDOT map (see Figure 9), prepared prior to the construction of the ferry maintenance building, shows the location of structures and facilities that were removed during site preparation activities for this adjacent site. Underground utilities, where noted, were sealed at the property boundary with the subject site. The following items on the map are noteworthy:

- Utility tunnel running west from the power house to the north-south tunnel on the subject site. It also extends east to the water with an 8" saltwater suction line for a fire pump. Notes indicate that utilities should be plugged, capped, or abandoned at the intersection with the tunnel on the subject site.
- Utility tunnel running north-south from a shop building to the esplanade in front of Building 10. Notes indicate utilities should be plugged, capped, or abandoned at the intersection with the tunnel on the subject site.
- 1,500-gallon underground gas tank near the southwest corner of the proposed ferry maintenance building.
- Underground bilge water holding tank
- Underground oil separator and chamber
- 1-story brick building identified as paint locker
- Power house constructed in 1912
- Fuel oil tanks near southeast corner of site
- Cistern, 25' x 55' which appears to feed some steam pipes
- Several buildings identified as a machine shop, carpenter shop, and storage

According to NYCDOT, the structures and facilities that were subsequently demolished, including the fuel tanks, paint locker, oil separator, etc., were removed in a manner consistent with applicable state and federal regulations.

Figure 11

Former Adjacent Buildings



Building Numbers and Descriptions

1. Administration Building
2. Steel Storage Shed
3. Underground Storage Vaults
4. Utility Building
5. Receiving & Shipping Building
6. Barracks and Galley Building
7. Sick Bay & Dental Clinic
8. Ship's Storage Building
9. Shop Building
10. Fuel Oil Shed with 3 Steel Storage Tanks
11. Garage
12. Lower Gate House
14. Paint Locker
15. Plate Shop
16. Carpenter Shop
17. Power House
18. Enlisted Men's Club
19. South Shop Building
20. Industrial Supply Warehouse
21. Engine House
22. Machine Shop
23. Diesel Engine Shop
24. Lumber Storage Shed
25. Engine Parts Storeroom
26. Spar Shed
27. Paint Storage Shed
28. Buoy, Sandblasting, Shed
29. Paint She
30. Center Dock Transformer House
31. South Dock Transformer House
35. Green House
36. Garage
37. North Residence
38. South Residence

7.0 SITE REGULATORY INFORMATION

7.0 SITE REGULATORY INFORMATION

To obtain information from various government agencies, Sandstone reviewed searches of federal and state databases conducted by a commercial search firm. If any information about the subject property was found, a discussion of the listing is presented in the text under the appropriate classification. Dates shown are those of the most recent updates to the databases. A complete copy of the database report is contained in Appendix C.

7.1 Federal Records

SEA reviewed the following federal databases (dates indicate last government update of databases):

- National Priorities List (NPL) (05/10/99)
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List (04/21/99)
- Resource Conservation and Recovery Information System (RCRIS) List (04/26/99)
- Emergency Response Notification System (ERNS) List (12/31/98)

7.1.1 National Priorities List (NPL)

The U.S. EPA's NPL (or Superfund List) is a federal listing of uncontrolled or abandoned hazardous waste sites. The list is created from the CERCLIS database (see below) and is primarily based upon a score that each site or facility receives from the U.S. EPA's Hazardous Ranking System. After a site or facility has been identified as a CERCLIS site, the U.S. EPA conducts an assessment of the property. The ranking score associated with the degree of contamination found is one of the determinations made as to whether the site is placed on the NPL. These sites are then prioritized for possible long-term remedial action and referred to the state for further action under state programs. The subject site is not listed as a past or present NPL site.

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

The CERCLIS list is a compilation of records from a nationwide database created to maintain and regulate those facilities or sites that the U.S. EPA has investigated or will investigate for suspected or uncontrolled releases of hazardous substances, contaminants or pollutants as reported by states, municipalities, private companies and private citizens under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or the Superfund Program). Once the site is placed on the CERCLIS list, it may be subjected to several additional levels of evaluation to determine the severity of the contamination from discovery and preliminary assessment to site inspection, and possibly to the Hazardous Ranking System. Such a determination could ultimately place the site under consideration for inclusion on the NPL. Inclusion on the CERCLIS list does not confirm the presence of an environmental problem or a

public health threat. The subject property is not listed as a CERCLIS site, and within the half-mile search radius of the subject property, no CERCLIS site was identified.

7.1.3 Resource Conservation and Recovery Information System (RCRIS) List

The RCRIS list is a compilation of records from a nationwide database created to maintain and regulate sites or facilities that handle, treat, store or dispose of hazardous wastes under the Resource Conservation and Recovery Act (RCRA). Inclusion on the list is not necessarily indicative of contamination; rather, it indicates the presence of potential sources of contamination.

With respect to RCRIS TSD sites (sites that transport, store, and dispose of hazardous wastes) the ASTM standard requires a search to one mile for RCRIS TSD sites that are on the federal CORRACTS (Corrective Action List), and one half mile for all other RCRIS TSD sites. The subject site is not a TSD site and no TSD sites were identified within one half-mile of the subject property. The database search identified no TSD sites within one mile of the property as a CORRACTS site.

The subject site was not listed as a small quantity generator (SQG). The database identified four sites, within a quarter-mile radius, as small quantity generators (SQG), which are identified as follows:

- NYCDOT-St. George Terminal — West/Northwest — 478 ft.
- NYC-Staten Island Borough Hall — West/Northwest — 495 ft.
- College of Staten Island — South/Southwest — 897 ft.
- College of Staten Island — West/Northwest — 917 ft.

The subject site was not listed as a large quantity generator (LQG). The database identified two large quantity generators (LQGs) within approximately ¼ mile of the subject property; they are identified as follows:

- NYCDOT-St. George Ferry Terminal — West/Northwest — 478 ft.
- MTA NYCT-St. George Substation — West/Northwest — 483 ft.

7.1.4 Emergency Response Notification System (ERNS) List

The ERNS list is a compilation of records from a national computer database and retrieval system created to store information on accidental releases of oil and hazardous substances. The information stored in this database is acquired through the National Response Center. Each reported incident is required to contain and provide the discharger name, date of release, amount released, and type of substance released. The database did not identify the subject property as appearing on the ERNS list.

7.2 State of New York Records

SEA reviewed the following state databases:

- Petroleum Bulk Storage Database (01/01/99)
- Spills Information Database (04/01/99)
- Facility Register (12/31/98)
- Inactive Hazardous Waste Disposal Sites List (04/01/98)
- Chemical Bulk Storage Database (04/01/99)
- Major Oil Storage Facilities Database (04/01/99)

7.2.1 Petroleum Bulk Storage Database

Registered underground storage tanks (RUST's) are regulated under Subtitle I or RCRA and, depending on size, must be registered with the NYSDEC. According to the EDR database, dated 01/01/99, seven sites with UST's are located with in a quarter-mile radius of the site:

Site:	**St. George Ferry Terminal**
Location	Bay Street/Richmond Terrace Staten Island, NY 10310
Distance from subject site:	<1/8 mile
Direction from subject site:	WNW
PBS Number:	2-400777
Tank ID:	001
Product stored:	Nos. 5 or 6 fuel
Capacity (gallons)	15,000
Tank status:	Closed- Removed 5/92
PBS Number:	2-400777
Tank ID:	002
Product stored:	Nos. 5 or 6 fuel
Capacity (gallons)	15,000
Tank status:	Closed- Removed 5/92
Site:	**Unoccupied**
Location	152 Stuyvesant Place Staten Island, NY 10312
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	WNW
PBS Number:	2-602203
Tank ID:	001
Product stored:	Nos. 1, 2, or 4 fuel oil
Capacity (gallons)	2,000
Tank status:	Closed- Removed 5/95

Site:	**Staten Island Savings Bank**
Location	15 Hyatt Street Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	West
PBS Number:	2-280720
Tank ID:	001
Product stored:	Nos. 1, 2 or 4 fuel oil
Capacity (gallons)	2,000
Tank status:	In service

Site:	**Benedict Realty Company**
Location	36 Richmond Terrace Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	NW
PBS Number:	2-207721
Tank ID:	001
Product stored:	Nos. 1, 2 or 4 fuel oil
Capacity (gallons)	2,000
Tank status:	In service

Site:	**College of Staten Island**
Location	130 Stuyvesant Place Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	WNW
PBS Number:	2-403636
Tank ID:	001
Product stored:	Nos. 5 or 6 fuel oil
Capacity (gallons)	15,000
Tank status:	Closed- Removed 8/92
PBS Number:	2-403636
Tank ID:	001
Product stored:	Nos. 5 or 6 fuel oil
Capacity (gallons)	12,000
Tank status:	In service

Site:	**60 Bay Street**
Location	60 Bay Street Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	SSW
PBS Number:	2-322687
Tank ID:	001
Product stored:	Nos. 1, 2, or 4 fuel oil
Capacity (gallons)	7,500
Tank status:	In service

Site:	**The College of Staten Island**
Location	120 Stuyvesant Place Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	WNW
PBS Number:	2-340790
Tank ID:	#1
Product stored:	Nos. 1, 2, or 4 fuel oil
Capacity (gallons0	5,000
Tank status:	In service

PBS Number:	2-340790
Tank ID:	002
Product stored:	Nos. 1, 2, or 4 fuel oil
Capacity (gallons)	5,000
Tank status:	In service

7.2.2 Spills Information Database

The Spills Information Database contains an inventory of reported leaking underground storage tank (LUST) and spill incidents, maintained by NYSDEC. The subject property was not listed in this database. Seventeen spills at fourteen storage tank sites were identified within a one-half mile radius of the subject site. These sites, and their associated data, are as follows.

Site:	**Baruch**
Location:	70 Baruch Place
Distance from subject site:	<1/8 mile
Direction from subject site:	NE
Spill date:	08/14/89
Spill cause:	Tank Overfill
Spill class:	Known release that creates a fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**Richmond Terrace and Bay Street/SI**
Location:	Richmond Terrace and Bay Street
Distance from subject site:	<1/8 mile
Direction from subject site:	WNW
Spill date:	12/26/87
Spill cause:	Tank Overfill
Spill class:	Not reported

Site:	**Staten Island Ferry Terminal**
Location:	1 Richmond Terrace
Distance from subject site:	< 1/8 mile
Direction from subject site:	WNW
Spill date:	12/5/95
Spill cause:	Tank Overfill
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.
Spill date:	4/29/97
Spill cause:	Human Error
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**Staten Island Savings Bank**
Location:	15 Hyatt Street
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	West
Spill date:	07/21/98
Spill cause:	Tank test failure
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**Staten Island College/College of Staten Island**
Location:	130 Stuyvesant Place
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	WNW
Spill date:	08/03/92
Spill cause:	Tank test failure
Spill class:	Known release that creates a fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Spill date:	06/07/90
Spill cause:	Tank test failure
Spill class:	Known release that creates potential for fire or hazard. DEC response. Unable/unwilling responsible party. Corrective action taken.

Site:	**Staten Island College**
Location:	120 Stuyvesant Place
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	WNW
Spill date:	01/31/91
Spill cause:	Tank test failure
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Unable/unwilling responsible party. Corrective action taken.

Site:	**78 Richmond Terrace**
Location:	78 Richmond Terrace
Distance from subject site:	¼ - ½ mile
Direction from subject site:	NW
Spill date:	01/05/93
Spill cause:	Tank overfill
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken. (ISR).

Spill date:	10/07/94
Spill cause:	Equipment failure
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**Con Edison**
Location:	44 Victory Boulevard
Distance from subject site:	¼ - ½ mile
Direction from subject site:	SW
Spill date:	05/07/96
Spill cause:	Tank overfill
Spill class:	Known release that creates potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Spill date:	07/30/96
Spill cause:	Unknown
Spill class:	Known release that creates potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**37 Hamilton Avenue/ Brooklyn**
Location:	37 Hamilton Avenue
Distance from subject site:	¼ - ½ mile
Direction from subject site:	NW
Spill date:	02/20/91
Spill cause:	Tank test failure
Spill class:	Known release that creates potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**157 Daniel Low Terrace**
Location:	157 Daniel Low Terrace
Distance from subject site:	¼ - 1/2 mile
Direction from subject site:	West
Spill date:	06/12/98
Spill cause:	Tank test failure
Spill class:	not reported

Site:	**60 Hamilton Avenue/ Brooklyn**
Location:	60 Hamilton Avenue
Distance from subject site:	¼ - ½ mile
Direction from subject site:	NW
Spill date:	3/21/90
Spill cause:	Tank test failure
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**60 Hamilton Avenue/ Melbrook**
Location:	60 Hamilton Avenue
Distance from subject site:	¼ - ½ mile
Direction from subject site:	NW
Spill date:	07/06/88
Spill cause:	Tank test failure
Spill class:	Known release with minimal potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

Site:	**Contaminated Soil (Inactive gas station)**
Location:	260 Bay Street
Distance from subject site:	¼ - ½ mile
Direction from subject site:	South
Spill date:	04/14/97
Spill cause:	Tank failure
Spill class:	Known release with potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

One site listed on the NY Spills database that was not a LUST was identified as follows:

Site:	**60 Bay Street**
Location	60 Bay Street Staten Island, NY 10301
Distance from subject site:	1/8-1/4 mile
Direction from subject site:	SSW
Spill date:	03/16/98
Spill cause:	Equipment failure. Transformer leak into vault.
Spill class:	Known release that creates potential for fire or hazard. DEC response. Willing responsible party. Corrective action taken.

7.2.3 Facility Register

The Facility Register is a compilation of records from a statewide database and retrieval system created to maintain and regulate those sites or facilities which have closed or are currently operating as solid waste landfills. The database did not identify the subject property as being on the Facilities Register. A review of the solid waste facility/landfill (SWF/LF) list, as provided by the EDR, and dated 12/31/98, has revealed that there are no SWF/LF sites within approximately one half-mile of the subject property.

7.2.4 Inactive Hazardous Waste Disposal Sites List

The NYSDEC's Inactive Hazardous Waste Disposal Sites List, dated 04/01/98, was reviewed to determine if the subject properties within one mile were listed. The report did not identify the subject property as being listed in the database. No sites within approximately one-mile of the subject site were listed.

7.2.5 Chemical Bulk Storage Database

The CBS AST (Above Ground Storage Tank) and UST (Underground Storage Tank) is a database comprised of registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. This database also includes facilities registered, and closed, since the effective date of CBS regulations (July 15, 1988) through the date that the request is processed. A review of the CBS AST list, as provided

for by EDR, and dated 04/01/99 has revealed that the subject property is not a CBS AST or UST site, and there are no CBS AST or UST sites within approximately one-quarter mile of it.

7.2.6 Major Oil Storage Facilities Database

The MOSF UST and the MOSF AST are databases used to record data from facilities that may be onshore facilities or vessels with petroleum storage capacities of 400,000 gallons or greater. These databases, when reviewed, did not identify either the subject property or any other site adjacent to the subject property, as being a MOSF UST or an MOSF AST site.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.0 CONCLUSIONS AND RECOMMENDATIONS

Sandstone Environmental Associates has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM practice E 1527, of a subject site consisting of portions of Lot 60 and the south pier of Lot 70 at the former St. George Coast Guard Base, Staten Island, New York. The sole exception to the practice is that no analysis was done of zoning and whether or not the proposed use is a permitted use within the designated zone.

With respect to recognized environmental conditions of and in connection with the property, there is historic evidence of hazardous materials and petroleum substances on the site. However, there is no evidence of releases and no threat of release was observed. No stressed vegetation, pits, ponds, lagoons, stains, or odors were evident. Two empty, abandoned drums that may have contained motor oil and/or solvents were observed.

Table ES-1 in the Executive Summary shows a summary of pertinent site characteristics with regard to the environmental site assessment. The buildings are in poor condition, and some areas of the subject site were inaccessible to the study team. A site inspection and review of previous studies identified the following areas of concern with respect to hazardous regulated wastes and/or petroleum contamination:

8.1 Lot 60

- **Asbestos containing materials**, which are detailed in a separate report for an asbestos survey carried out by TRC Environmental Corp. TRC collected suspect asbestos containing materials (ACM) for laboratory analysis. The results indicated ACM in various buildings' surfacing materials, thermal system insulation materials, and miscellaneous materials such as the ceiling tiles, floor tiles, and wall panels. *Prior to renovation, all ACM materials in the buildings that are friable or damaged and requiring removal must be disposed according to appropriate federal, state, and local regulations.*

- **Lead-based paints** on various surfaces in the buildings, which are also detailed in the TRC report. Paint chips collected by TRC were sent to a laboratory. The laboratory found percentages of lead in the samples that ranged from 10% to 59%, which is higher than the threshold value of 5% that HUD uses to define a lead-based paint. Although lead abatement is not mandated by the Building Code for non-residential buildings, future museum occupancy of the buildings will include young children. Therefore, lead abatement procedures should be adopted for the removal or encapsulation of lead-containing surfaces. *The lead-based paints should be removed and disposed of during renovation activities in accordance with the requirements of CFR 1926.62.*

- **Standing water of unknown origin** in the basement of Building 7. No odors or discoloration of the water were evident. However, the source of the water should be identified. Since it may be rainwater that flowed down through areas contaminated with asbestos, *water sampling for asbestos fibers is recommended prior to removing the water from the basement.*

- **Potential PCB's** in the ballasts of fluorescent light fixtures throughout the buildings and in the electric motors for the elevators in Buildings 7, 8, and 10. *These should be removed and disposed of according to applicable regulations.*

- **Inaccessibility of Building 5 and several vaults**. Building 5 and five of the vaults could not be unlocked and entered. *When Building 5 and the vaults are unsealed for renovation activities, a representative of Sandstone Environmental Associates, Inc., should be present to assess the condition of the interior areas.*

- **Previous on-site use and storage of materials that are currently regulated (e.g., solvents, oils)** is indicated by the prior uses of the buildings. At least two prior uses of the site were industrial: the Lighthouse Service Depot (1863-1939) and the U.S. Coast Guard Base (1939-1966). Although no physical evidence of contamination was uncovered during the investigations for this report, the potential for past environmental releases exists. A soil sampling program typically would be recommended under these conditions because the purpose of the site environmental assessment is to demonstrate due diligence and provide the owner with an innocent landowner's defense if toxic/hazardous materials are uncovered following purchase of a site[4]. The reasons for not recommending soil sampling at this time are: 1) the project engineer for the Staten Island Ferry Maintenance Building has stated that all demolition and cleanup of the area surrounding the buildings as part of the construction activities for the ferry maintenance building and the North Shore Esplanade Extension was conducted according to state and federal regulations, 2) given the size of the site and lack of information on potential points of discard, no particular area can be recommended or not recommended for sampling, 3) the potential for off-site migration of undisturbed soils is unlikely after the 30-year hiatus since the Coast Guard abandoned the site, and 4) any materials that remain on-site and that are not likely to be inhaled, ingested, or subject to dermal contact would not require remediation. However, *if excavation or movement of soils during renovation activities yields odors, discoloration, or suspicious materials buried beneath the surface of the ground, a Phase II sampling program is recommended.*

8.2 Lot 70

No areas of concern were uncovered for Lot 70. However, *if the pier is to be opened to the public as part of the National Lighthouse Museum, any paints, petroleum compounds, etc., should be removed and disposed according to applicable state and federal regulations.*

[4] Since EDC (i.e., New York City) already owns the site, the rationale regarding the innocent landowner defense does not apply.

8.2 Summary

Based on both the observations and a review of pertinent records, the results of this environmental assessment indicate that the subject property does not appear to have been impacted by hazardous materials or petroleum products. The recommendations cited above should be carried out to ensure that no lead, PCBs or asbestos fibers are released into the environment during renovation activities. No Phase II sampling program is recommended at this time. However, a Phase II sampling program may be necessary if on-site construction and renovation warrant it, as indicated above.

9.0 REFERENCES

9 REFERENCES

9.1 Documents

Ameristar Information Network, August 1999. *Property Information Report.* Subject: Staten Island, Richmond County, NY.

Baskerville, C.A., 1994. *Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey.* United States Geological Survey. Miscellaneous Investigations Series. Map I-2306.

Caldwell, D.H., 1989. *Surficial Geologic Map of New York,* Lower Hudson Street. New York State Museum, Geological Survey, Map and Chart Series #40.

EDR Sanborn, Inc., Sanborn Fire Insurance Maps, 1898, 1917, 1937, 1950, 1977, 1981, 1991, 1992, 1993, 1994, 1995, and 1996.

Environmental Data Resources, Inc., August 11, 1999. The EDR Aerial Photography Print Service. Southport, Connecticut.

Environmental Data Resources, Inc., August 24, 1999. *The EDR City Directory Abstract: St. George Coast Guard Base, Bay Street/Borough Place, Staten Island, NY, 10301.* Southport, Connecticut.

Environmental Data Resources, Inc., August 3, 1999. *The EDR-Radius Map with GeoCheck,* Southport, Connecticut.

Environmental Data Resources, Inc., August 4, 1999. *The EDR-Historic Topographic Map Report.* Southport, Connecticut.

Jan Hird Pokorny Associates, Inc., 1998. *Adaptive Reuse Proposal and Cost Analysis Former U.S. Third District Lighthouse Depot, Staten Island, NY, Technical Report.*

New York State Museum and Science Service. 1970 (reprinted 1995). *Geologic Map of New York.* Lower Hudson Street. Map and Chart Series #15.

Robert Silman Associates, P.C., February 13, 1998. *Third District Coast Guard Buildings—Staten Island NY.*

Soren, J., *1988. Geologic and geohydrologic reconnaissance of Staten Island, New York.* United States Geological Survey Water-Resource Investigations Report 67-4048. 22p. 4 plates.

Stephenson, Henry, 1997. *The National Lighthouse Museum, A Plan to Locate the Proposed Lighthouse Center and Museum at the Old US Lighthouse Service Depot in Staten Island, New York*, New York Harbor Lights.

TRC Environmental Corporation, June 1999. *Report of Asbestos Survey and Lead Sampling of St. George Coast Guard Site.*

U.S. Geological Survey, 7.5 Minute Topographic Maps, *Jersey City, NJ- NY* and *The Narrows, NY-NJ* Quadrangles, 1897, 1925, 1955, 1967, and 1981.

U.S.EPA, September 1, 1999. *Region II Resource Conservation and Recovery Act Notifiers List.*

9.2 Personal Communications

Mr. Raymond Basso, Chief
RCRA Programs Branch
U.S. EPA, Region 2
290 Broadway
New York, NY 10007-1866

Ms. Patricia Caruso
New York City Department of Health
346 Broadway
New York, NY 10013

Ms. Mary A. Dooley
Assistant Counsel
New York City Department of Environmental Protection
59-17 Junction Boulevard
Corona, NY 11368-5107

Mr. William Hewitt
New York State Department of Conservation
47-40 21st Street
Long Island City, NY 11011

Ms. Geraldine Kelpin
Director, Air, Noise, Permitting, Enforcement and Policy
New York City Department of Environmental Protection
59-17 Junction Boulevard
Corona, NY 11368-5107

Mr. Robert Lieblein
Director of Public Affairs, Region 2
New York State Department of Conservation
47-40 21st Street

Long Island City, NY 11011

Mr. Val Martinez
Ameristar Information Network
2730 North Stemmons Freeway
Suite 801 W
Dallas, TX 75207

Mr. A.A. Munshi, Director
Bureau of Environmental Investigations
New York City Department of Health
346 Broadway
New York, NY 10013

Sakti Nandi
Director of Engineering
Staten Island Ferry
Battery Maritime Building, 4th Floor
New York, NY 10004

Mr. Gerald Pearce
Building Records
Fire Department, City of New York
Metro Tech Center

Mr. Henry Stephenson
Project Director
National Lighthouse Museum
30 Bay Street
Staten Island, NY 10301

Ms. Wanda Vasquez, FOIA Officer
U.S. EPA, Region 2
290 Broadway
New York, NY 10007-1866

Donna Walcavage
Johansson and Walcavage, Landscape Architects
91 Atlantic Avenue
Brooklyn, NY 11201

Ms. Josianne Xantus
Bureau of Air, Noise & Hazardous Materials
New York City Department of Environmental Protection
59-17 Junction Boulevard
Corona, NY 11368-5107

10.0 LIMITATIONS

10.0 LIMITATIONS

St. George Coast Guard Base, Staten Island, NY

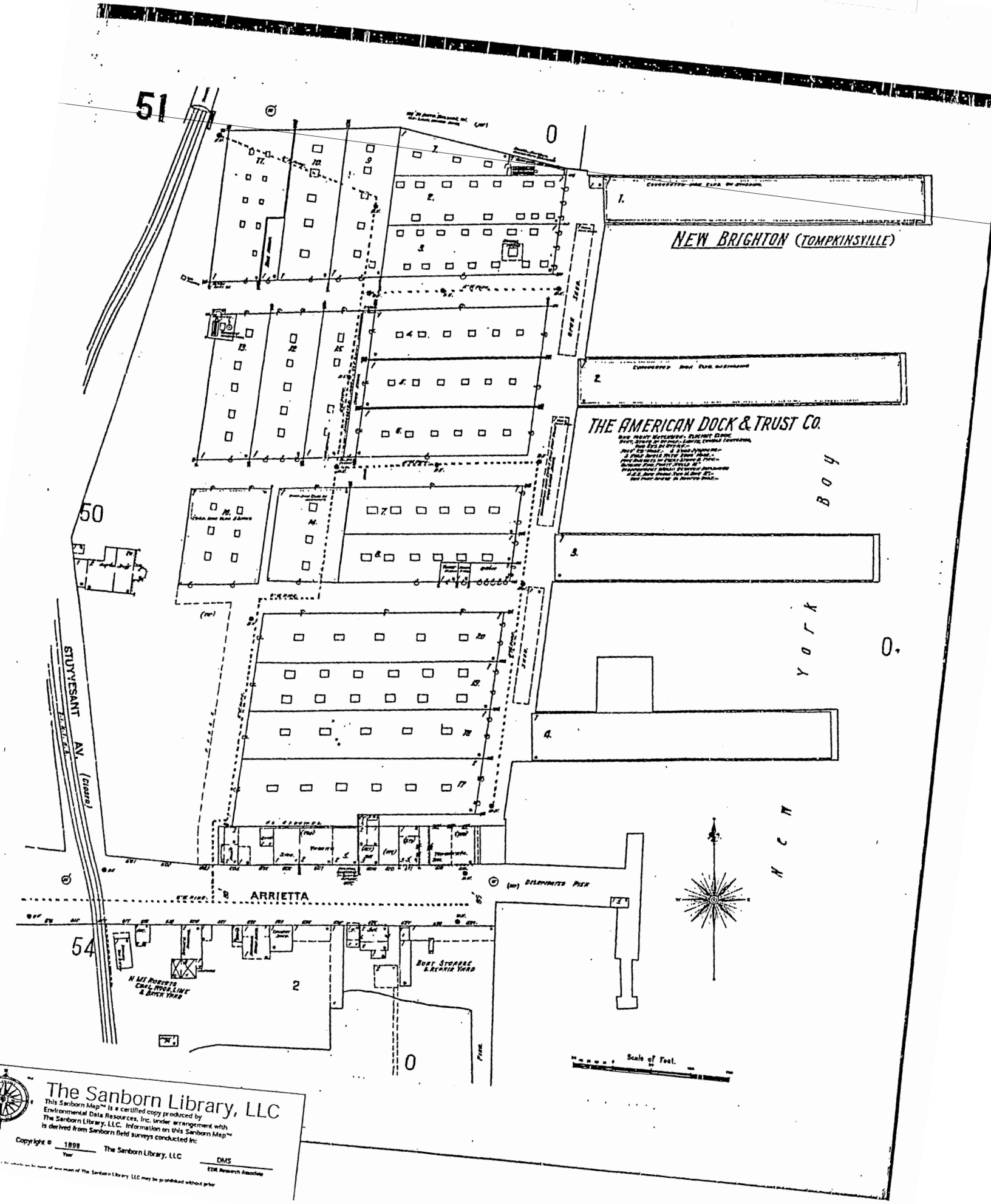
This investigation was limited to the review of available records, interviews with available on-site personnel and local officials, and an on-site inspection. The site inspection was limited to observation of exterior surficial conditions only. Such an inspection cannot be expected to reveal all hazardous materials or situations that might be present on site; some hazardous materials or conditions may exist and not be detected because they are beyond the scope of this study. The investigation was conducted in a manner consistent with the level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to the representative of Sandstone Environmental Associates, Inc. All documents prepared by or furnished by SEA pursuant to this project are to be used in the context of the cope of services contracted. This document is not intended or represented to be suitable for reuse by the client or others on modifications of the project scope. Reuse or release to third parties without the expressed written permission of the client and the consultant is prohibited.

PREPARED BY: Nancy Neuman

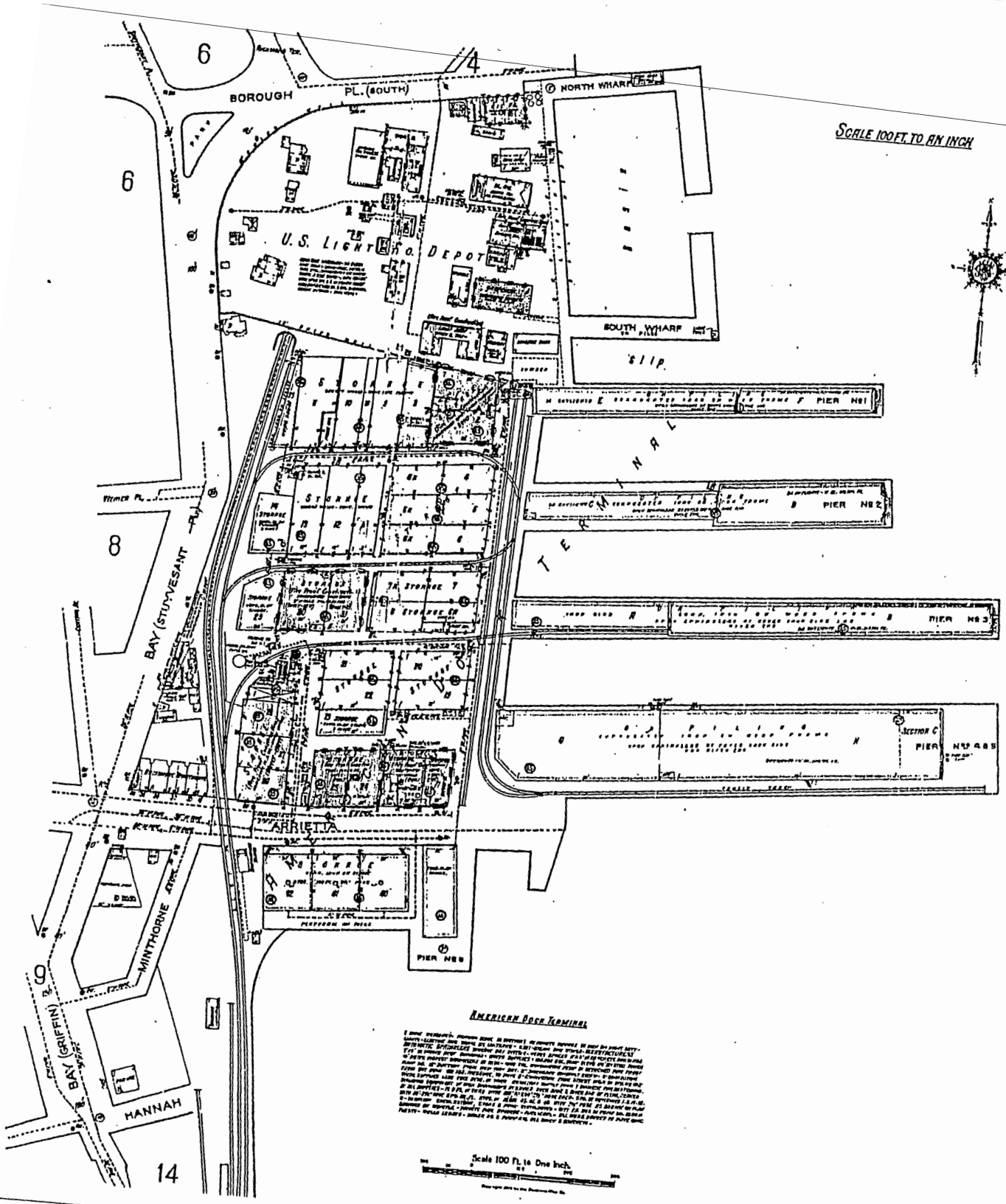
Nancy Neuman, Ph.D, QEP

DATE: 11/22/99

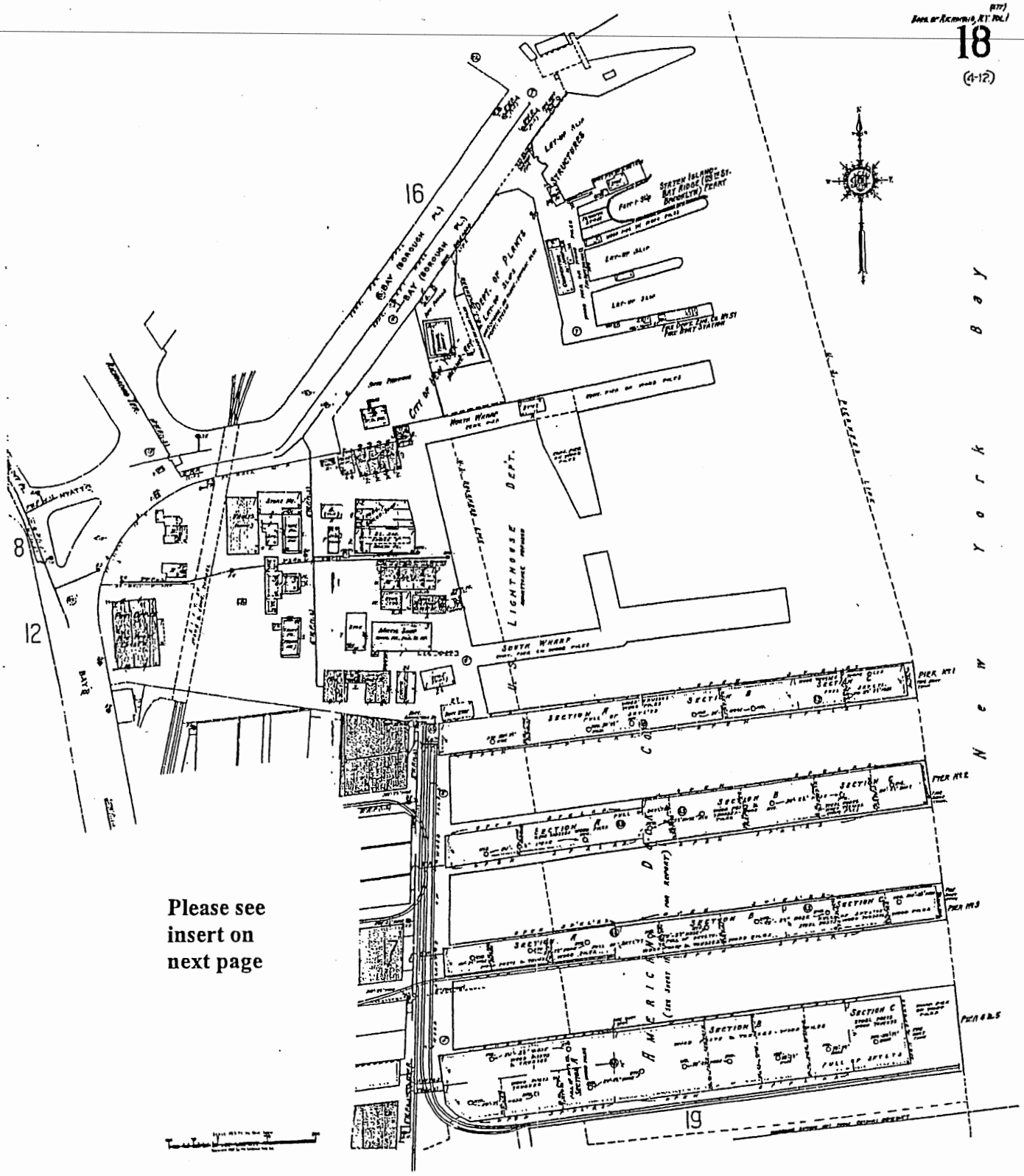
APPENDIX A: HISTORICAL SANBORN FIRE INSURANCE MAPS



The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:
Copyright © 1898 The Sanborn Library, LLC
Year
DMS
EDR Research Associates
...ction or use of any part of The Sanborn Library, LLC may be prohibited without prior

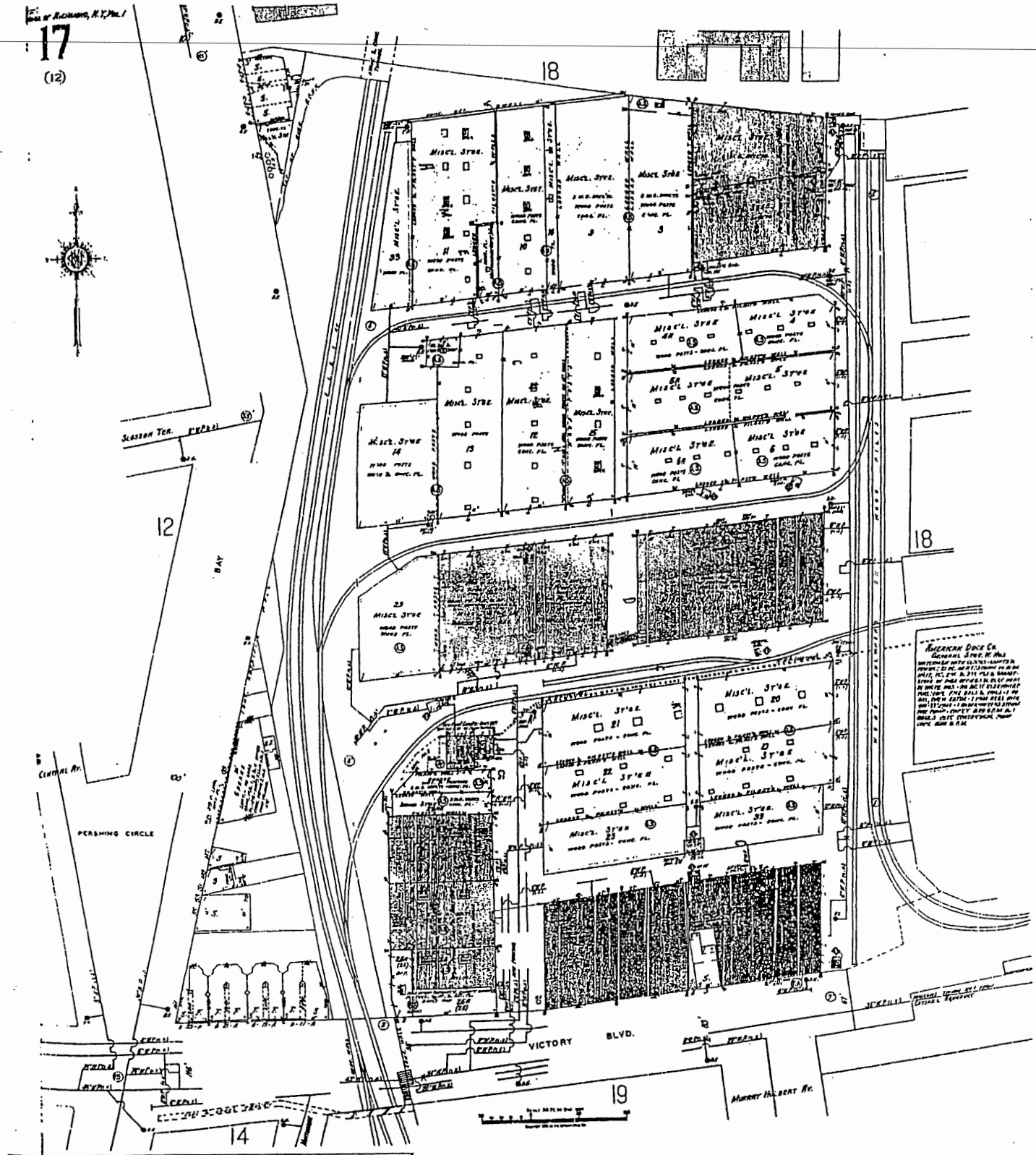


The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:
Copyright © 1917 (Year) The Sanborn Library, LLC
DMS
EDR Research Associates



Please see insert on next page

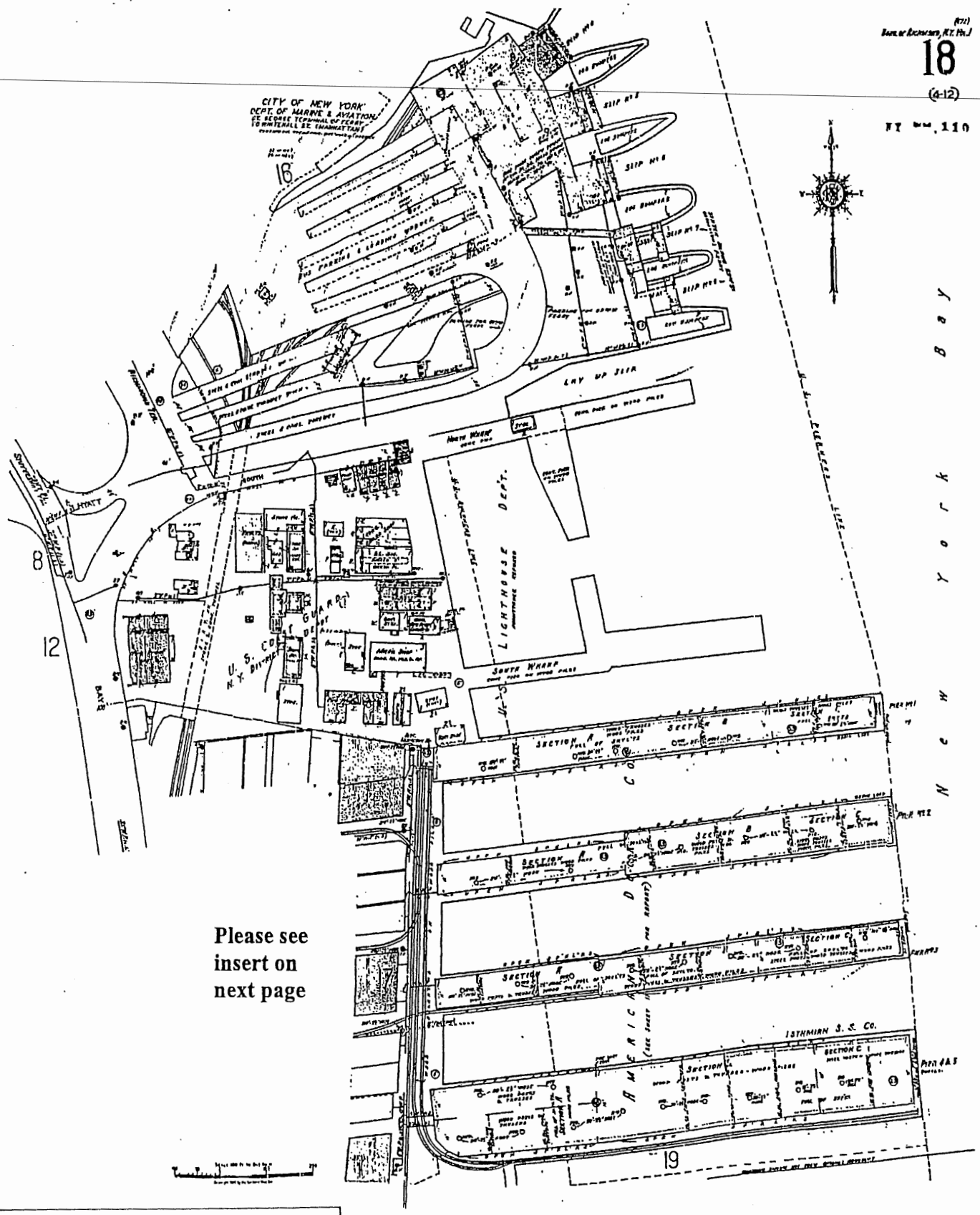
The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:
Copyright © 1937 (Year) The Sanborn Library, LLC DMS (EDR Research Associates)
Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior



The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

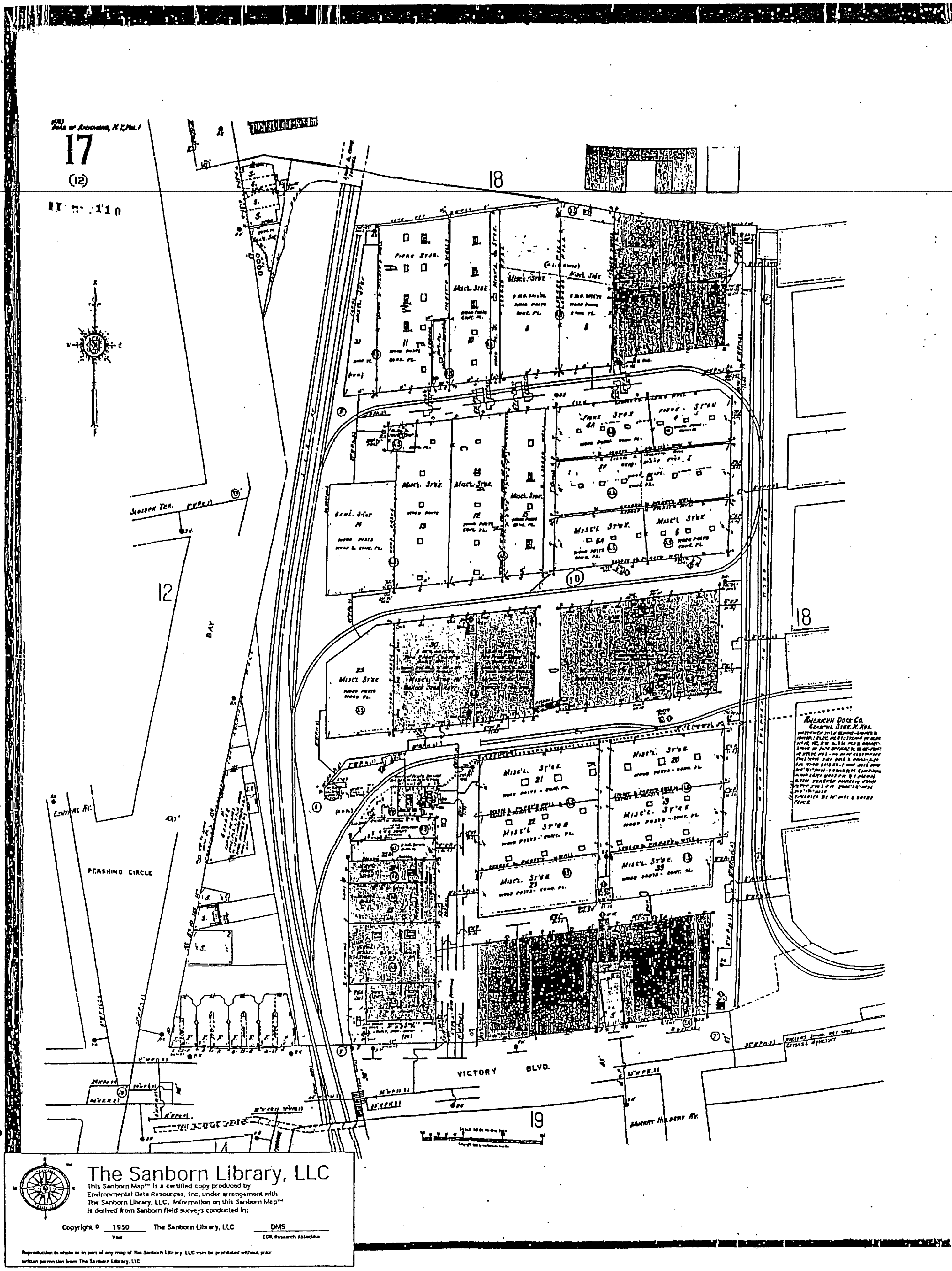
Copyright © 1937 (Year) The Sanborn Library, LLC DMS (EDR Research Associates)

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.



Please see insert on next page

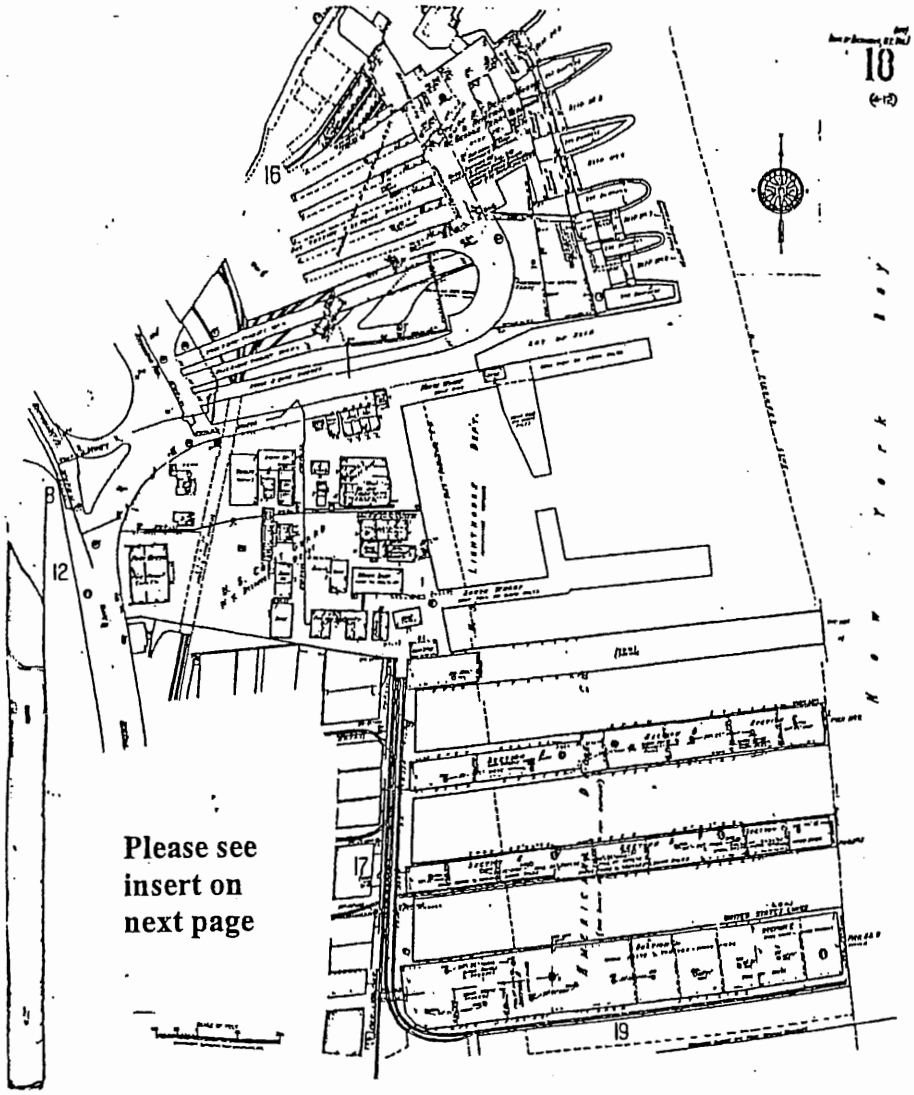
The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:
Copyright © 1950 The Sanborn Library, LLC DMS
Year EDR Research Associate



The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1950 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC

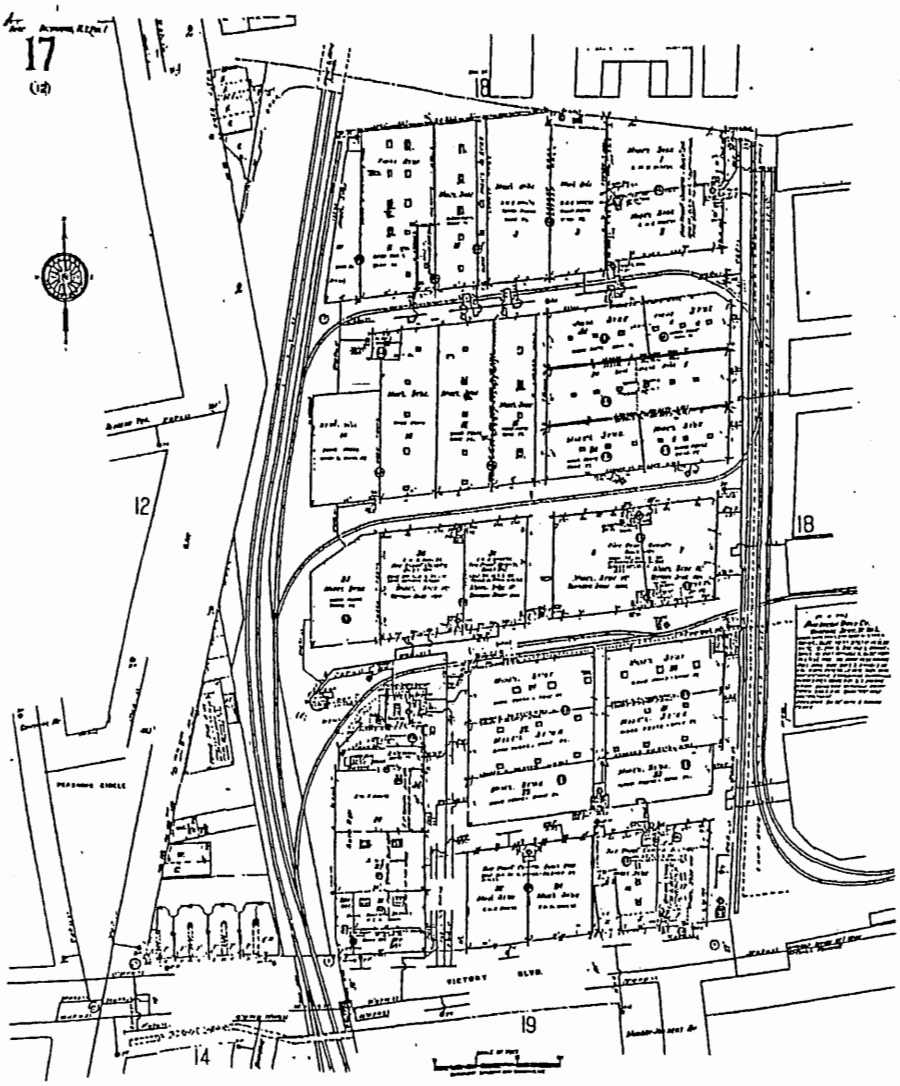


©1977 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1977 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

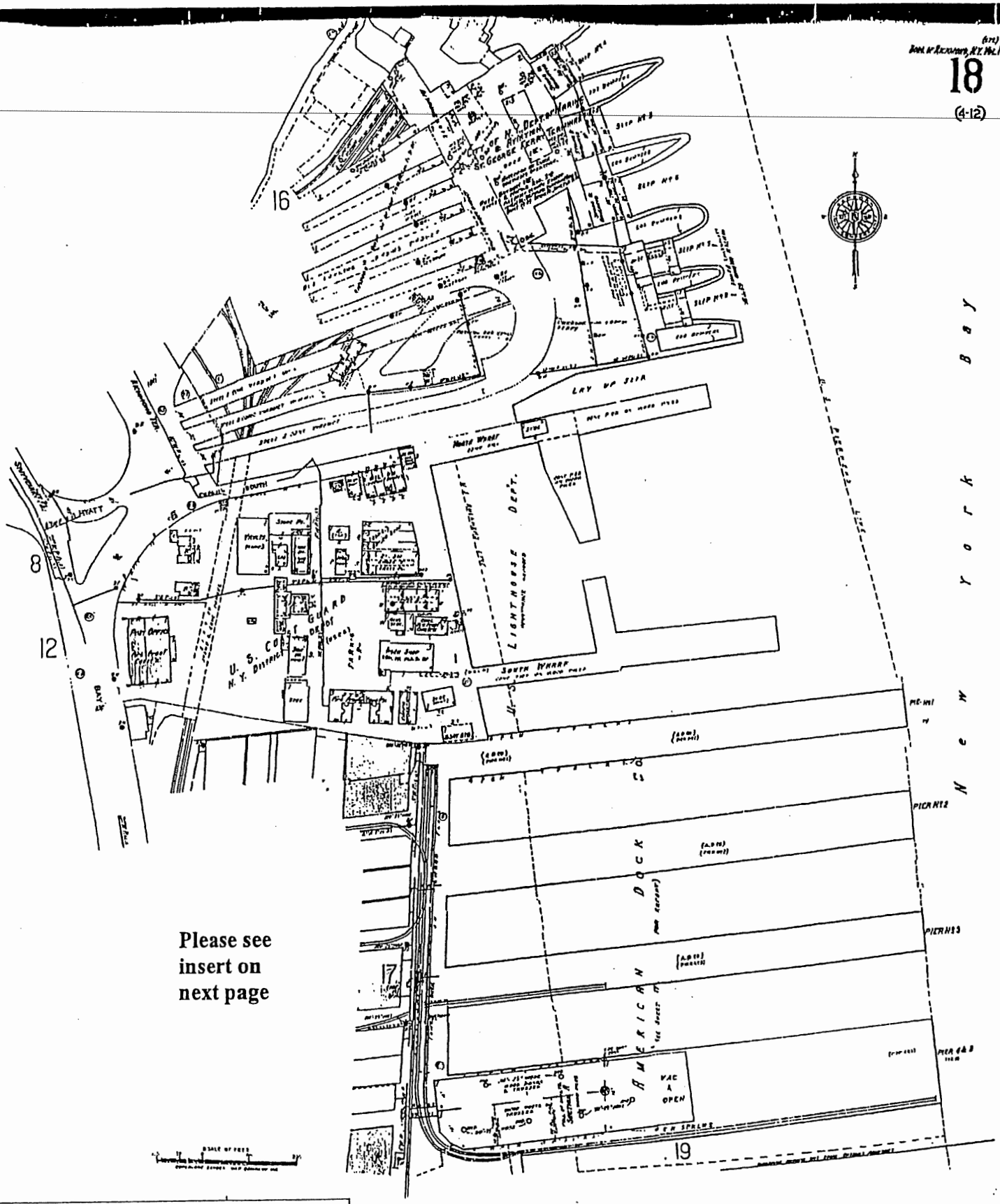


©1922 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1977 The Sanborn Library, LLC DMS
Year EDR Research Associates

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

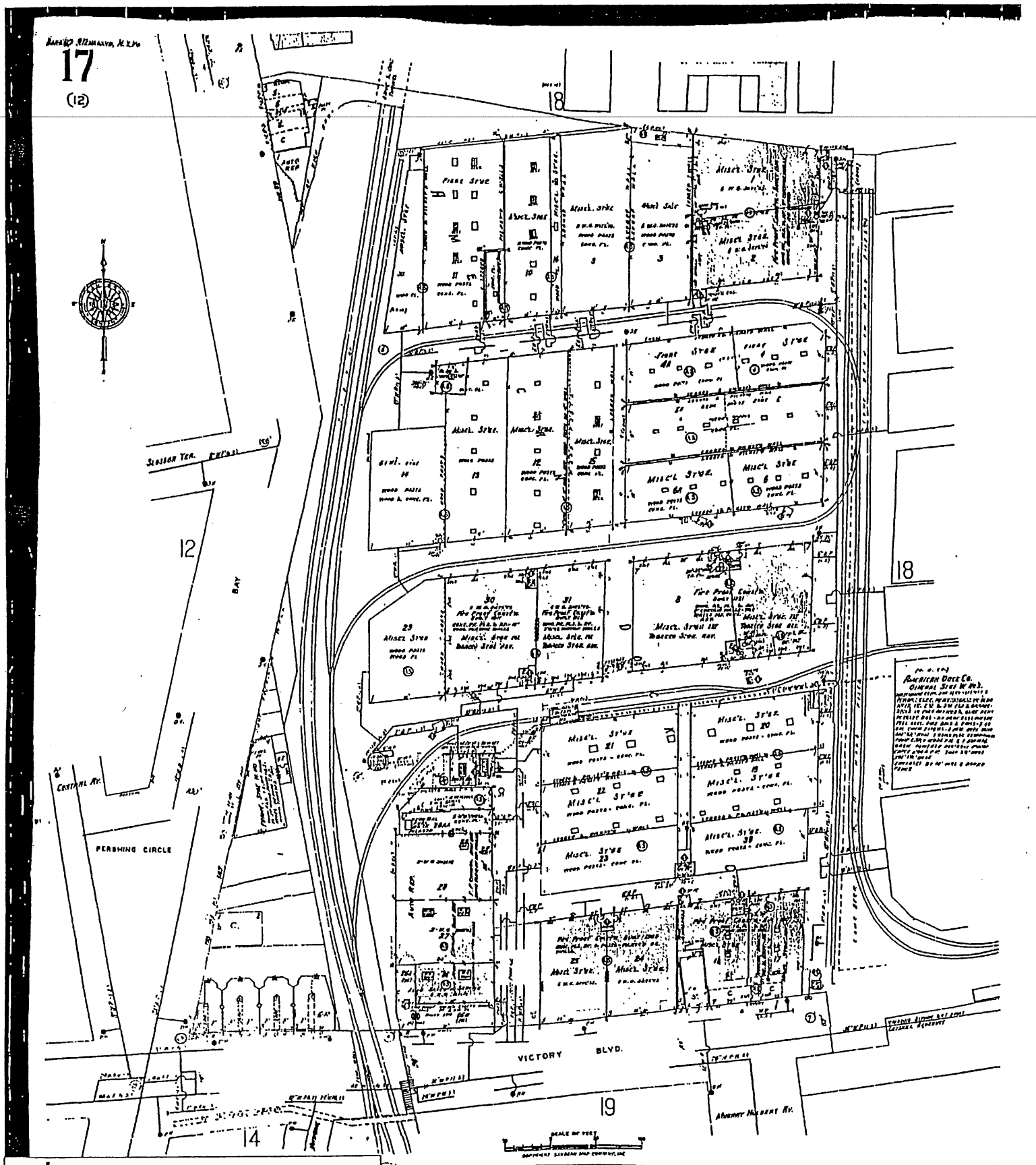


Please see insert on next page

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1981 The Sanborn Library, LLC DMS
Year EDR Research Associates

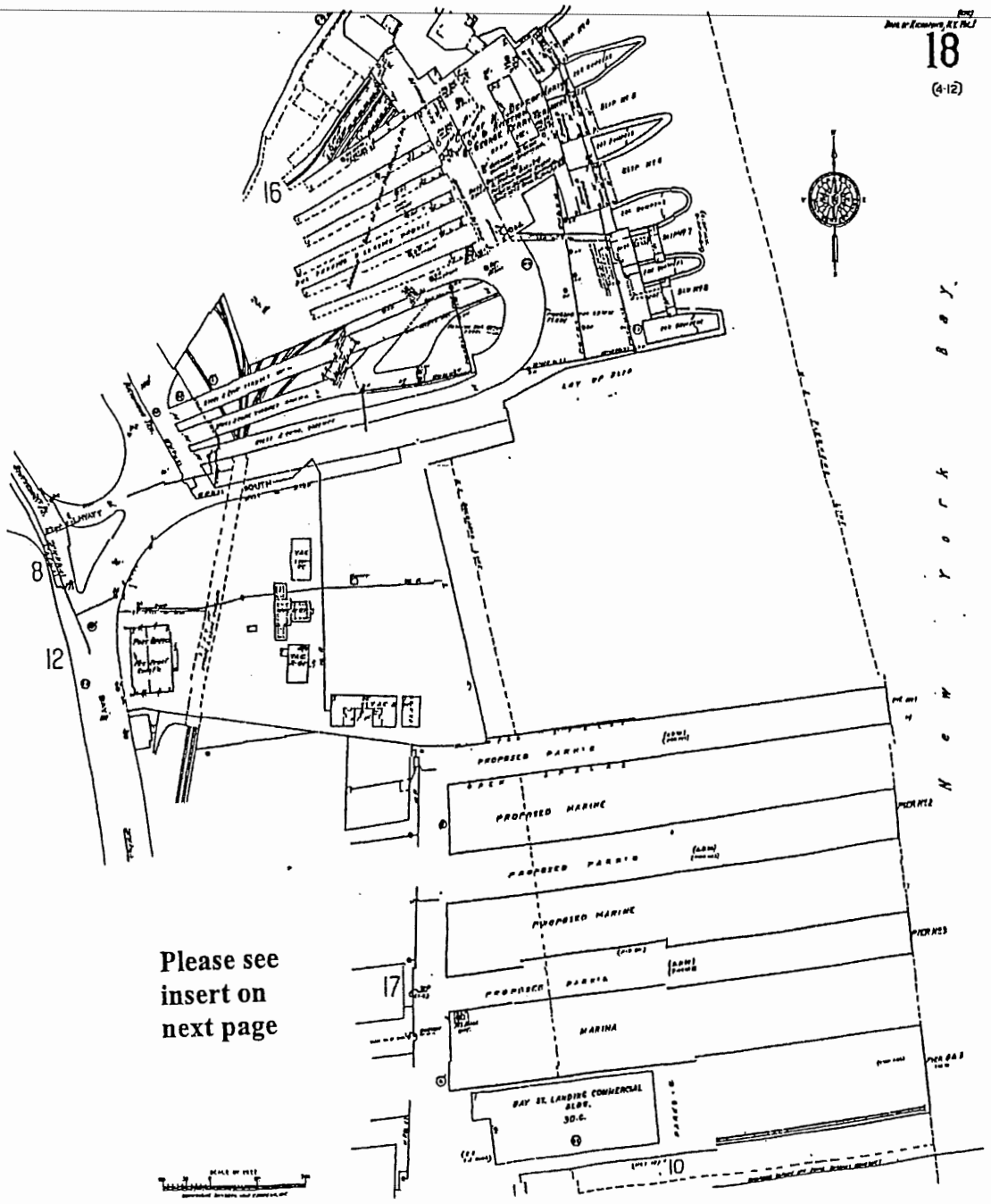
Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.



The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1981 (Year) The Sanborn Library, LLC DMS (EDR Research Associate)

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.



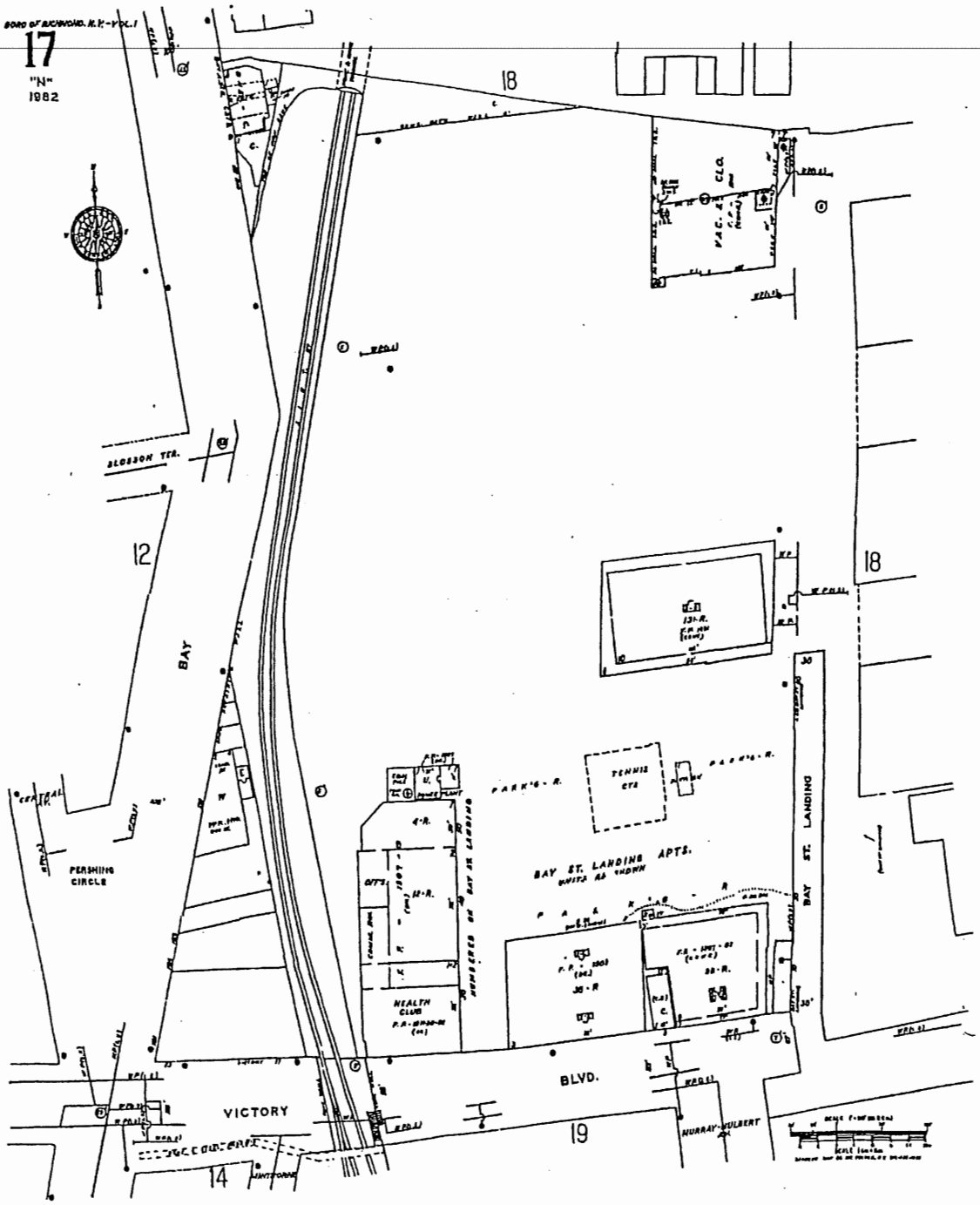
Please see insert on next page

©1991 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1991 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

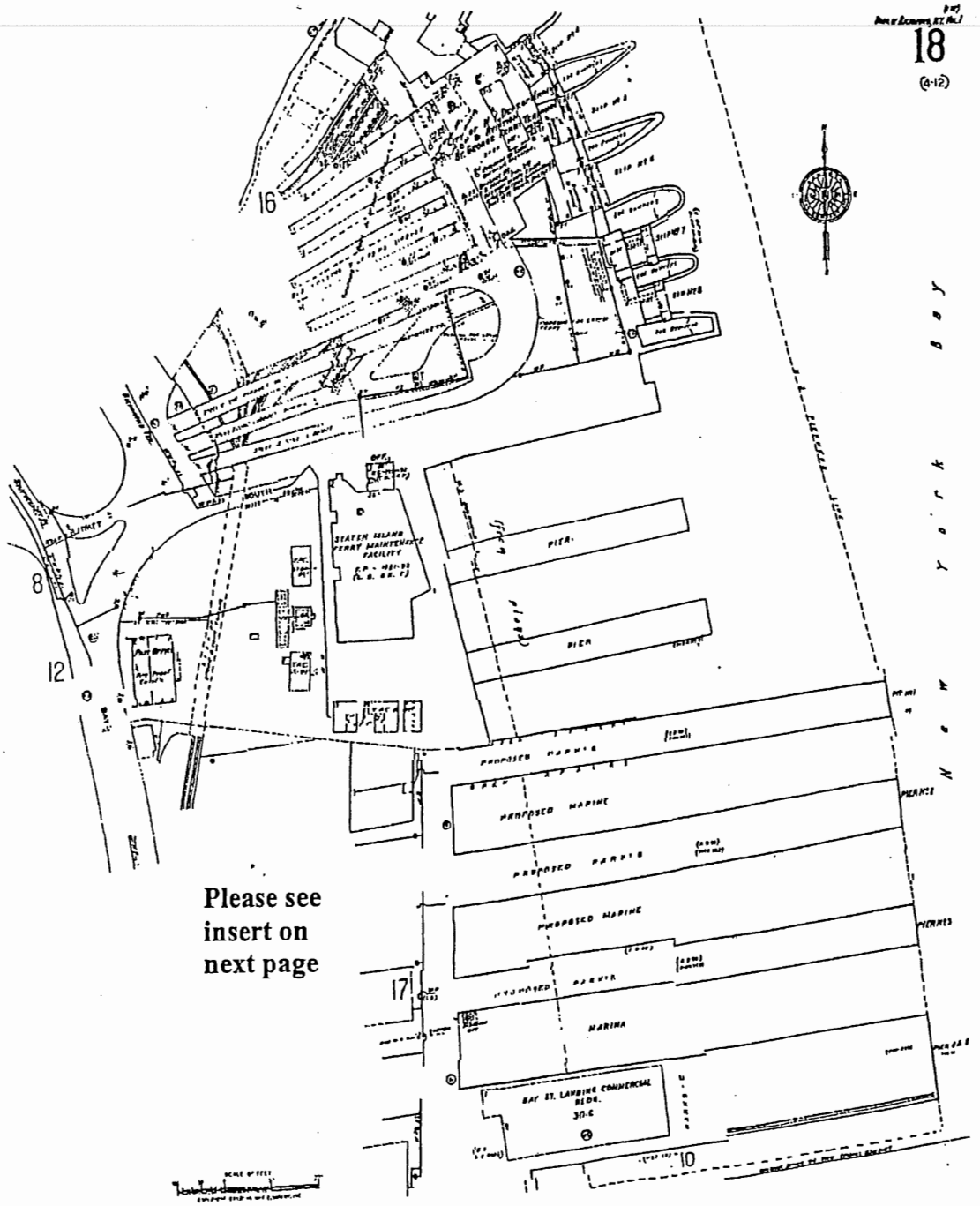


©1991 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1991 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library LLC may be prohibited without prior written permission from The Sanborn Library, LLC



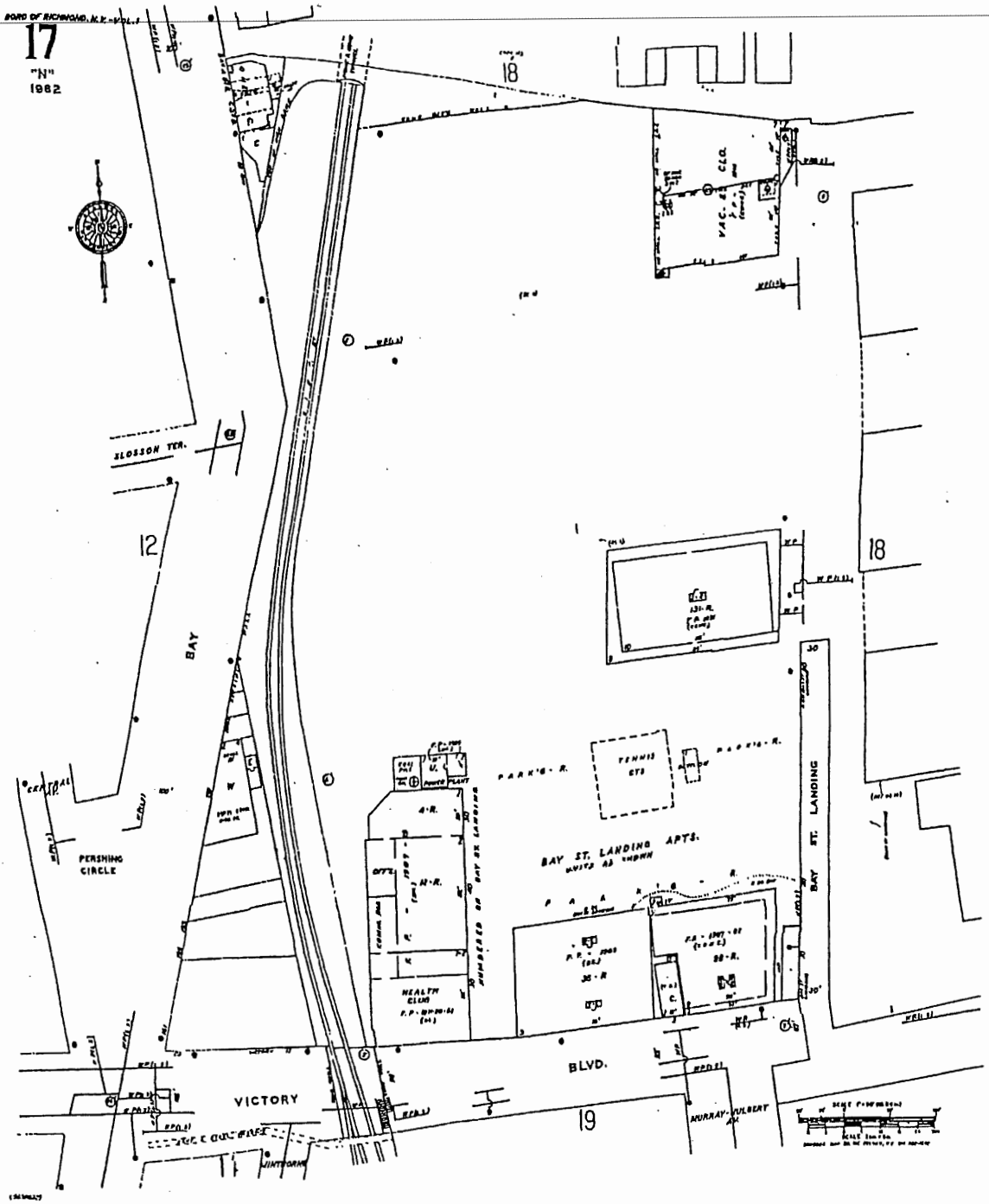
Please see insert on next page

©1992 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1992 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC

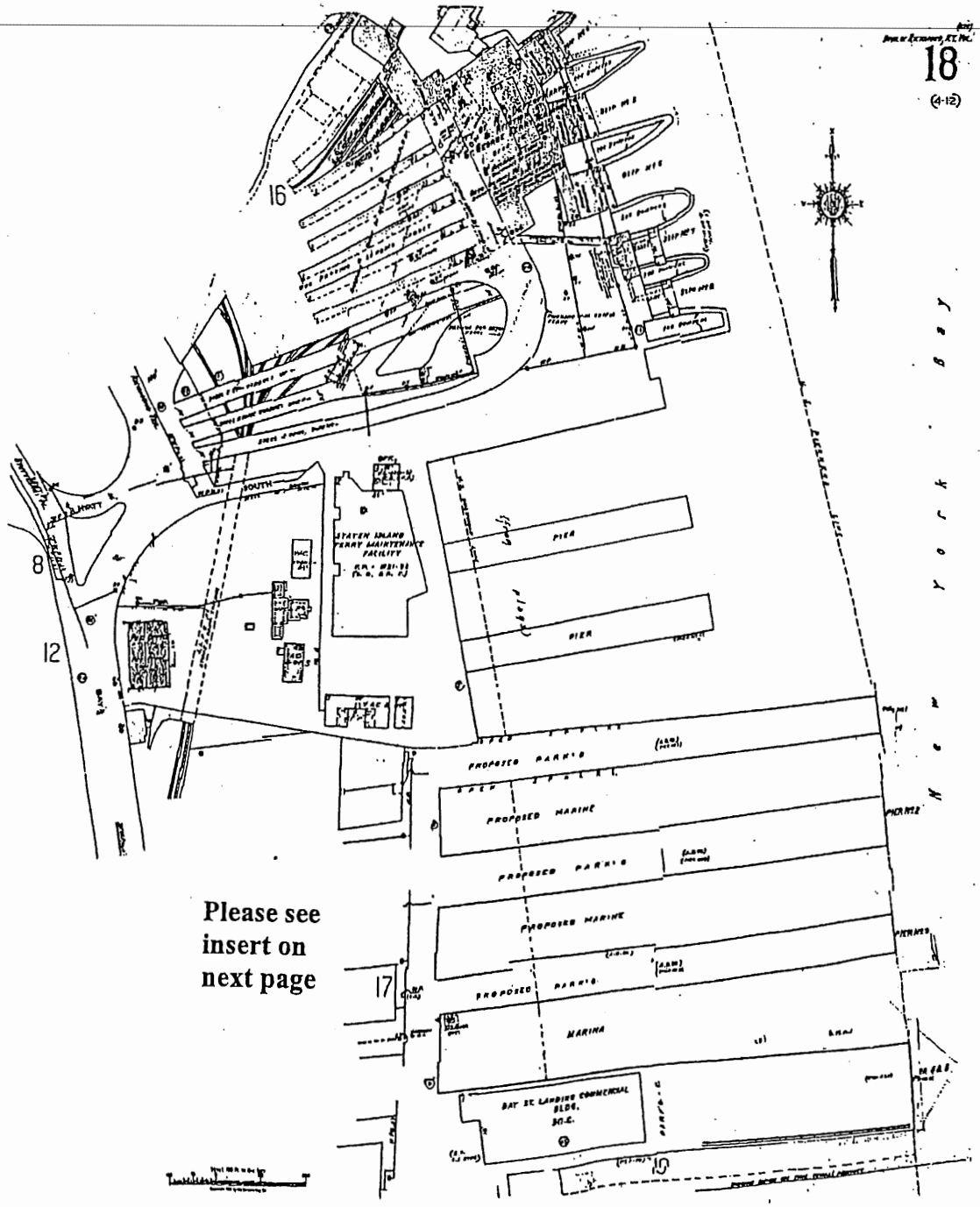


©1992 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1992 The Sanborn Library, LLC DMS
Year EDR Research Associates

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC



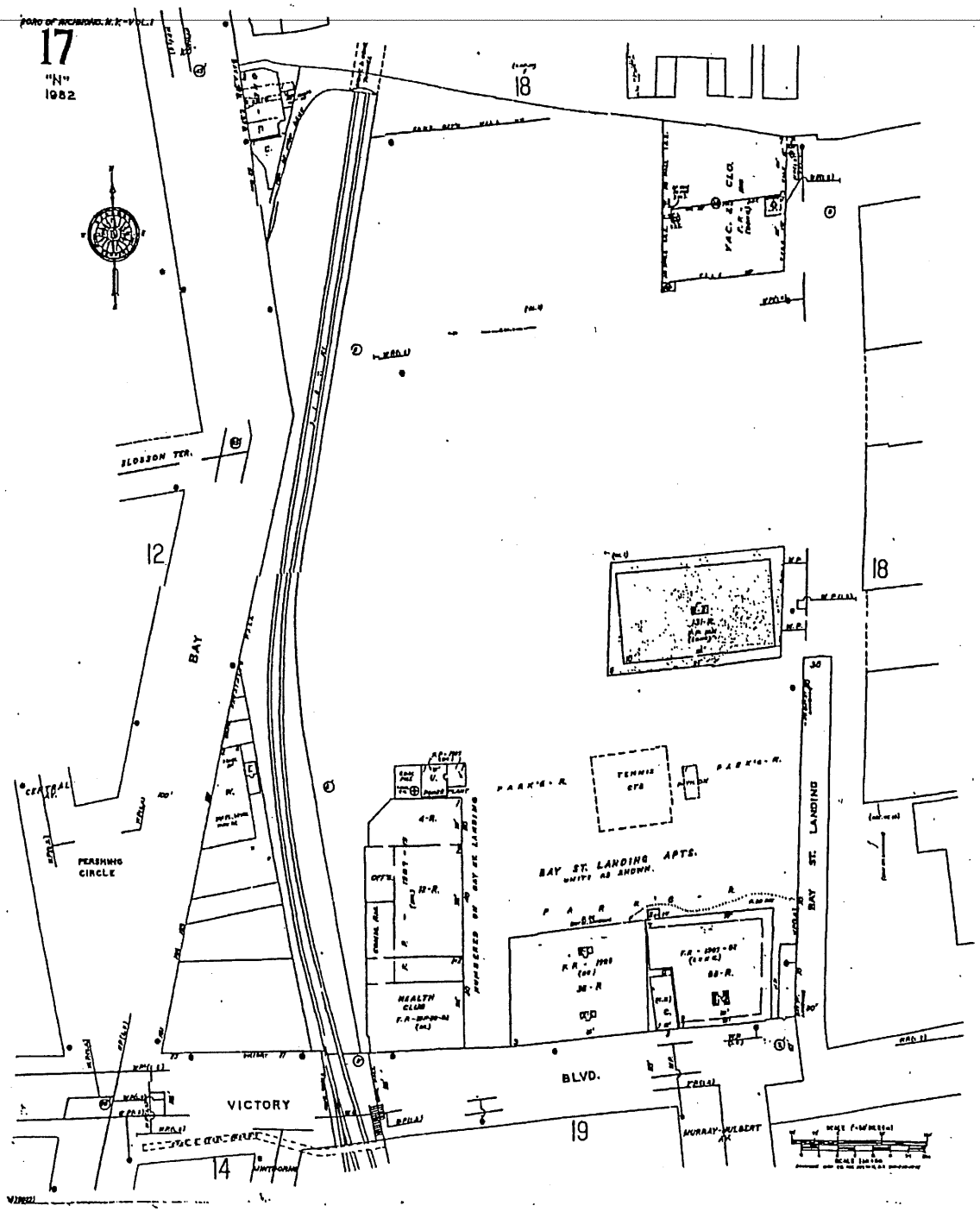
Please see insert on next page

©1993 Sanborn Co., EDR Sanborn, Inc

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1993 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC

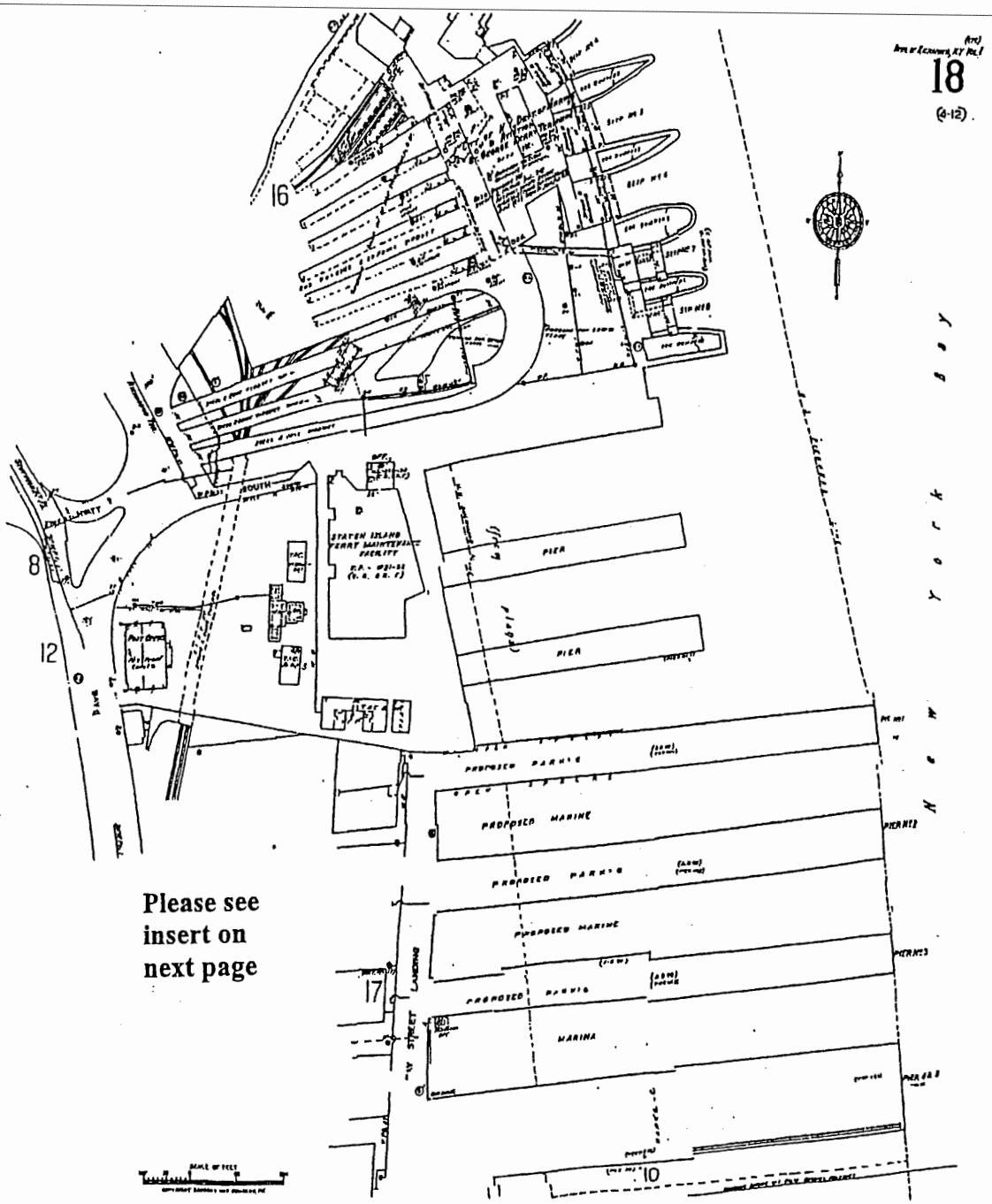


©1993 Sanborn Co., RIKI Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1993 (Year) The Sanborn Library, LLC DMS (EDR Research Associate)

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC



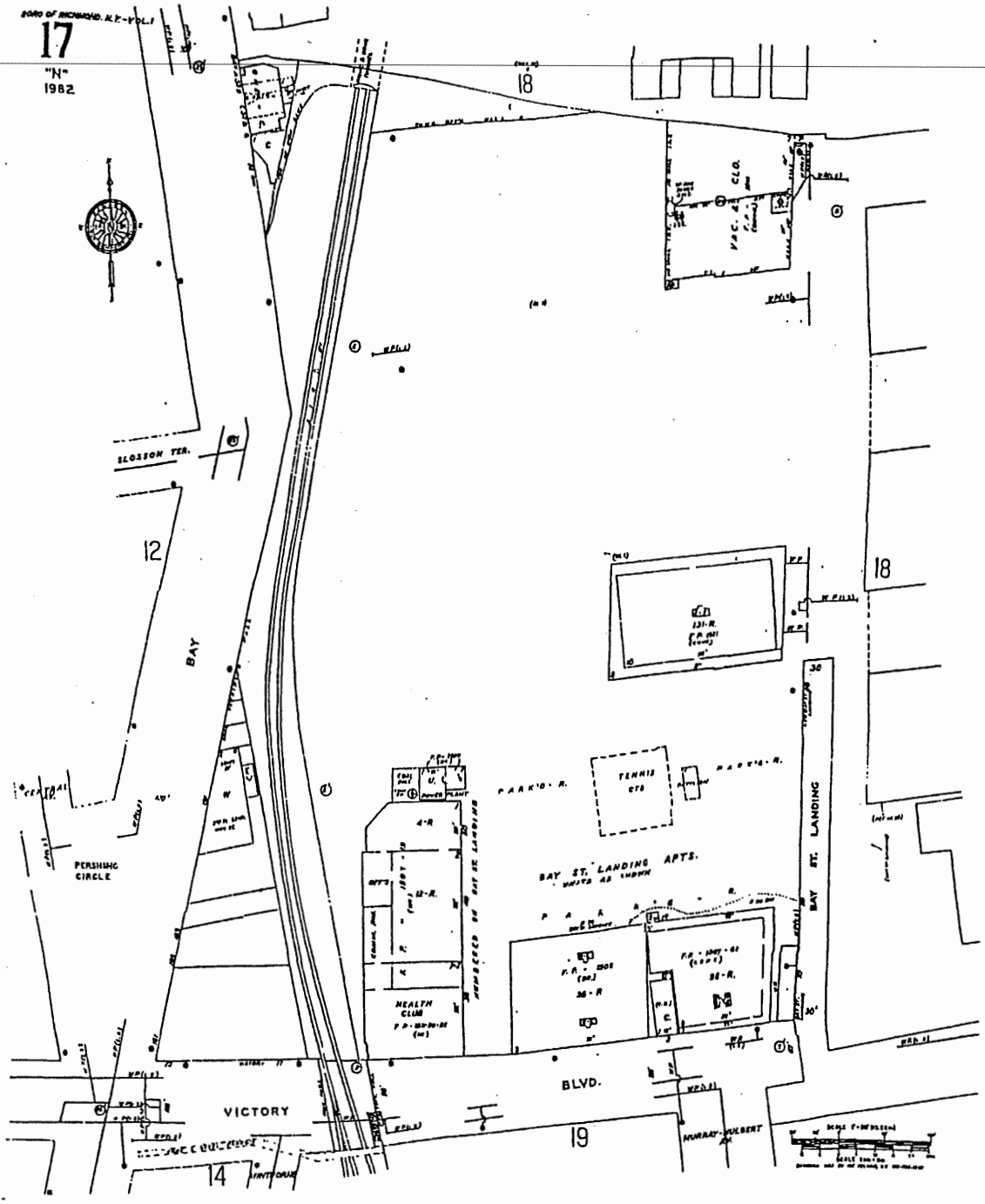
Please see insert on next page

©1994 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1994 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.

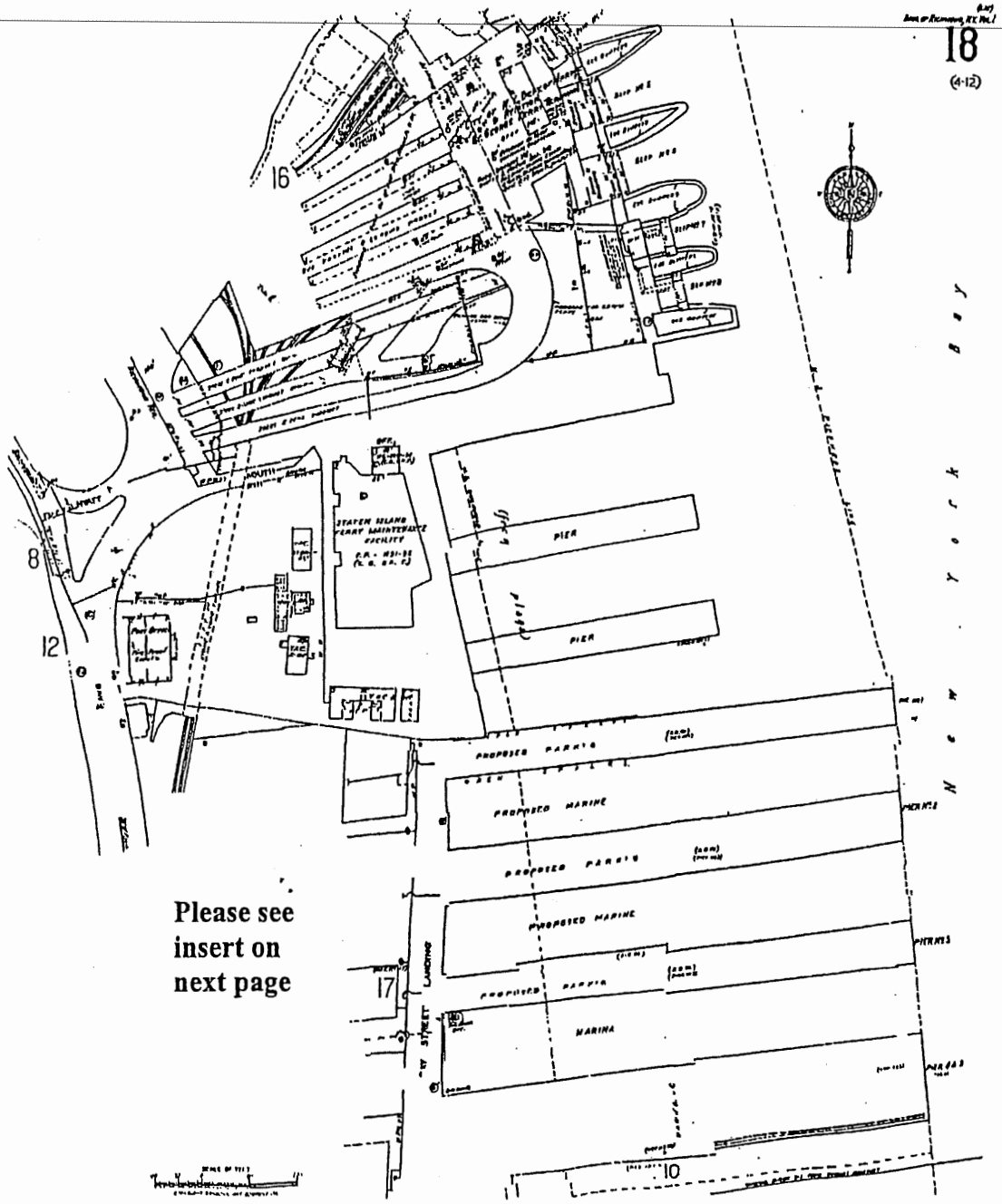


©1994 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1994 (Year) The Sanborn Library, LLC DMS (EDR Research Associate)

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC



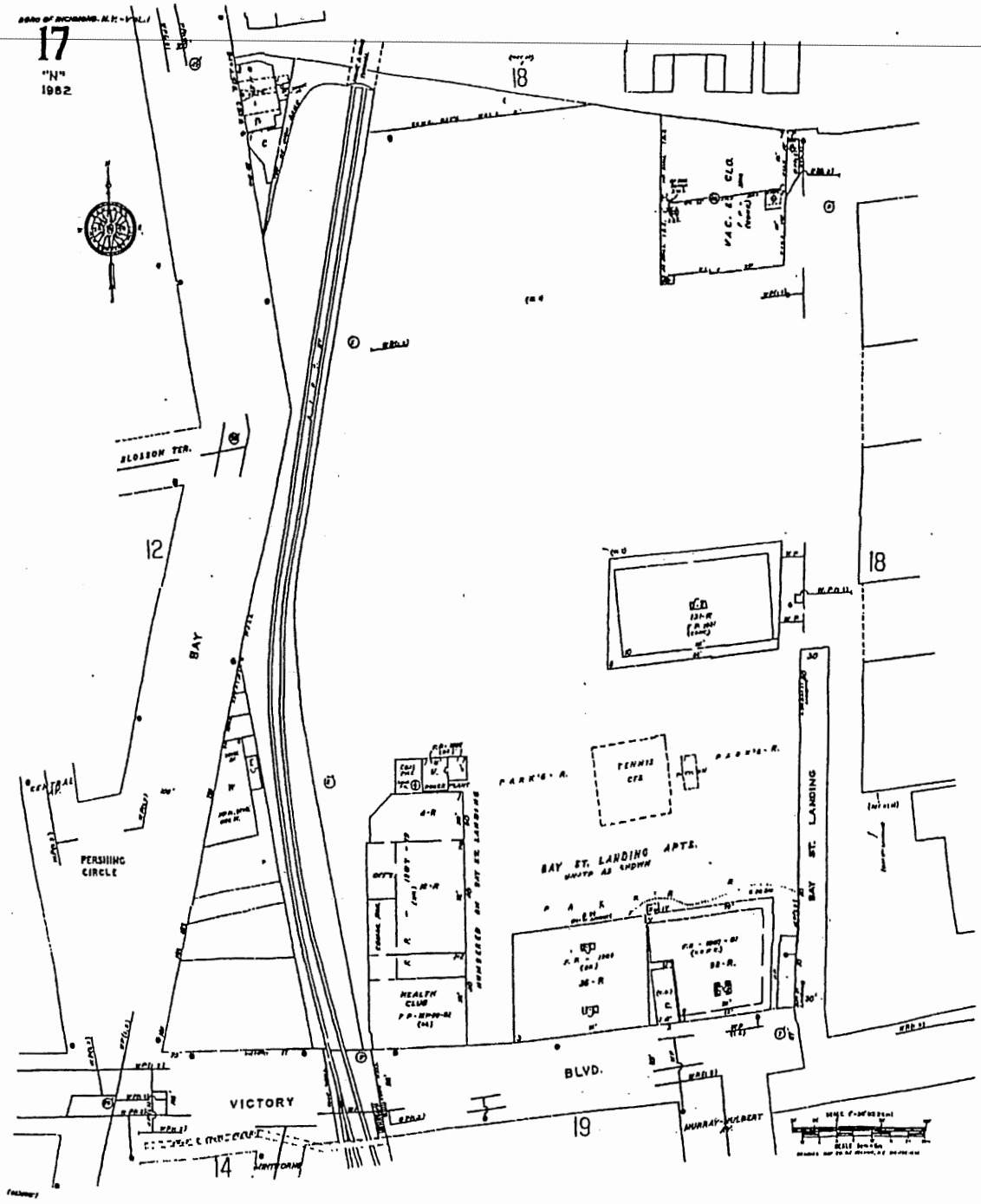
Please see insert on next page

©1995 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1995 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC

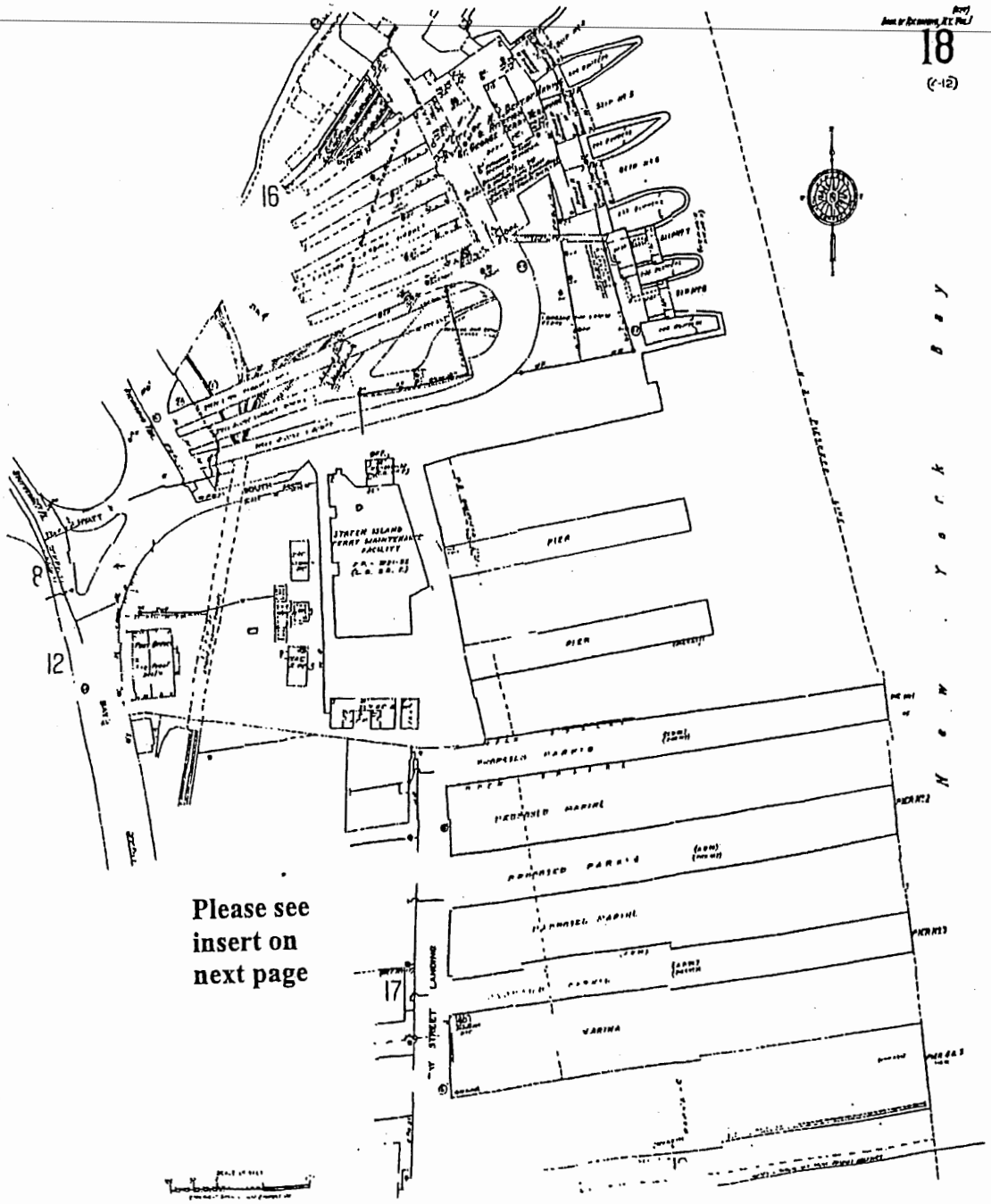


©1995 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1995 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC



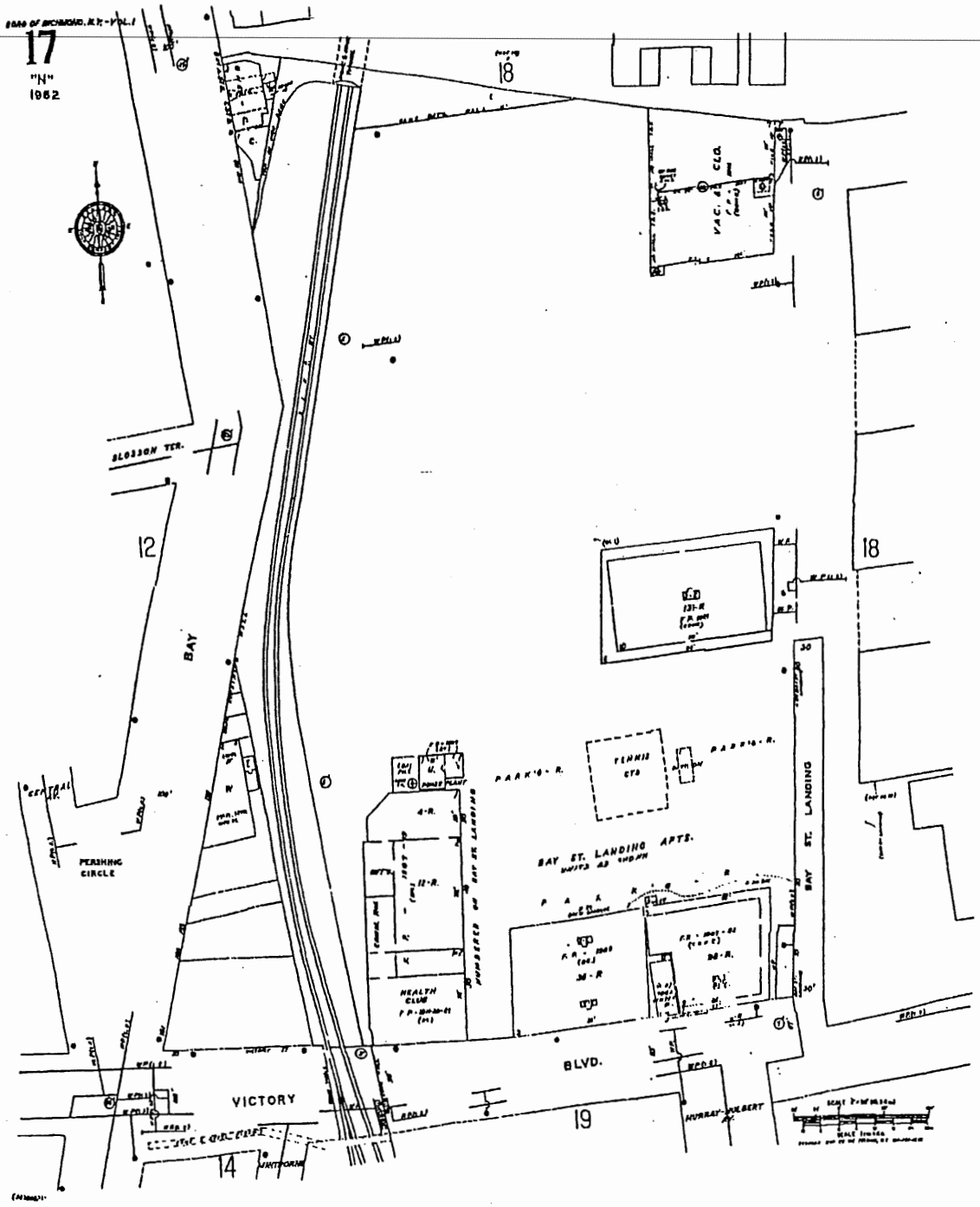
Please see insert on next page

©1996 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

Copyright © 1996 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC.



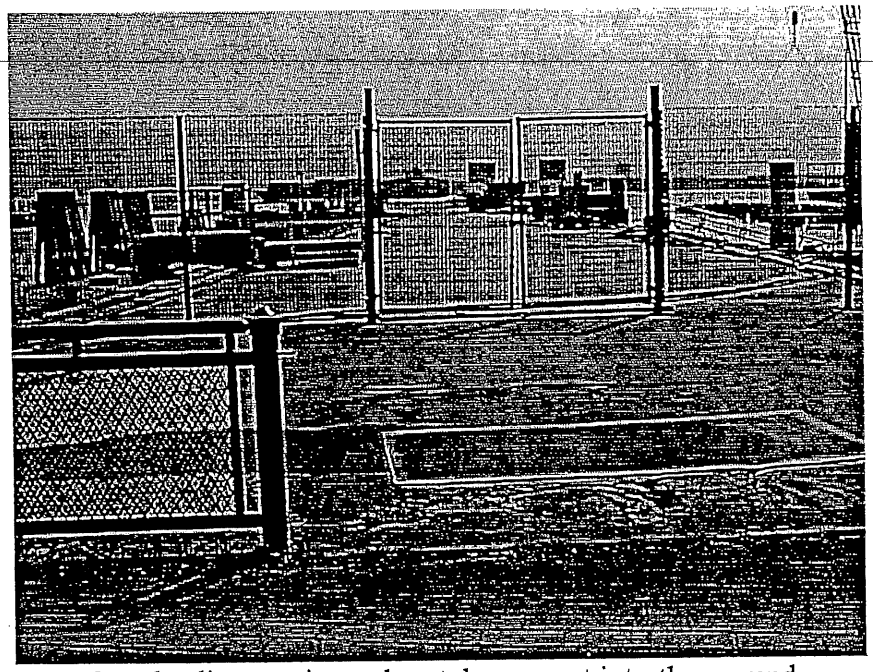
©1996 Sanborn Co., EDR Sanborn, Inc.

The Sanborn Library, LLC
This Sanborn Map™ is a certified copy produced by Environmental Data Resources, Inc. under arrangement with The Sanborn Library, LLC. Information on this Sanborn Map™ is derived from Sanborn field surveys conducted in:

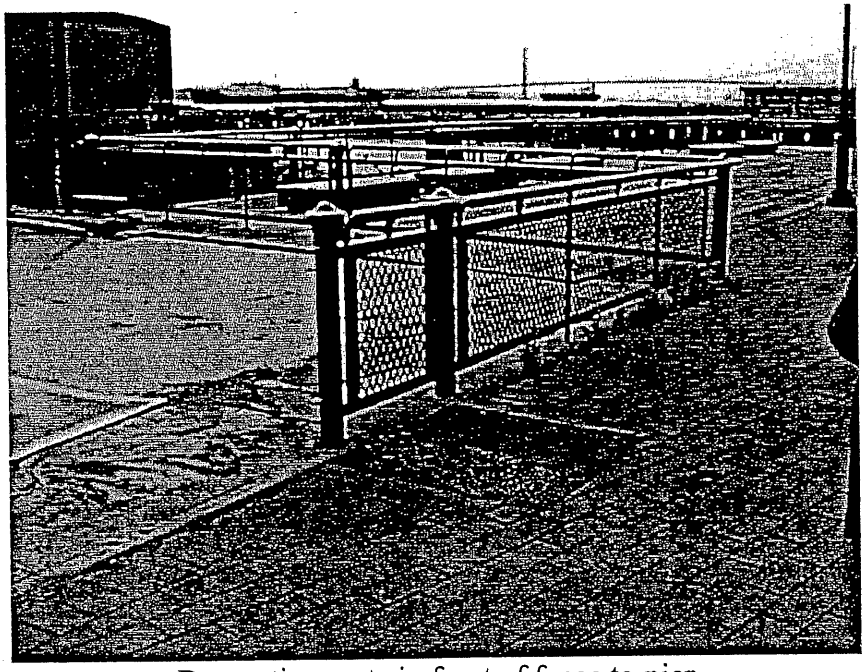
Copyright © 1996 The Sanborn Library, LLC DMS
Year EDR Research Associate

Reproduction in whole or in part of any map of The Sanborn Library, LLC may be prohibited without prior written permission from The Sanborn Library, LLC

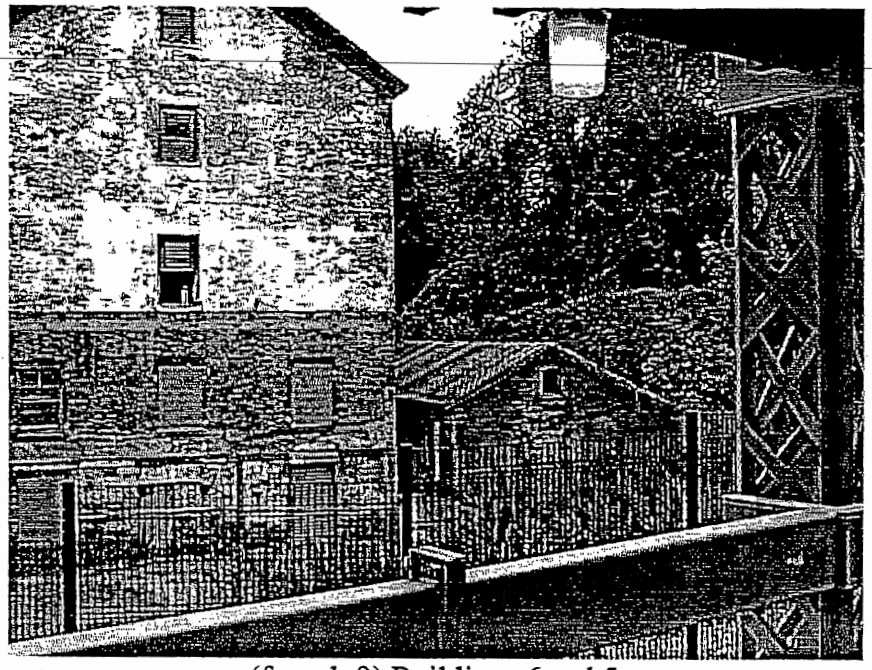
APPENDIX B: SITE PHOTOGRAPHS



Gate leading to pier and metal cover set into the ground

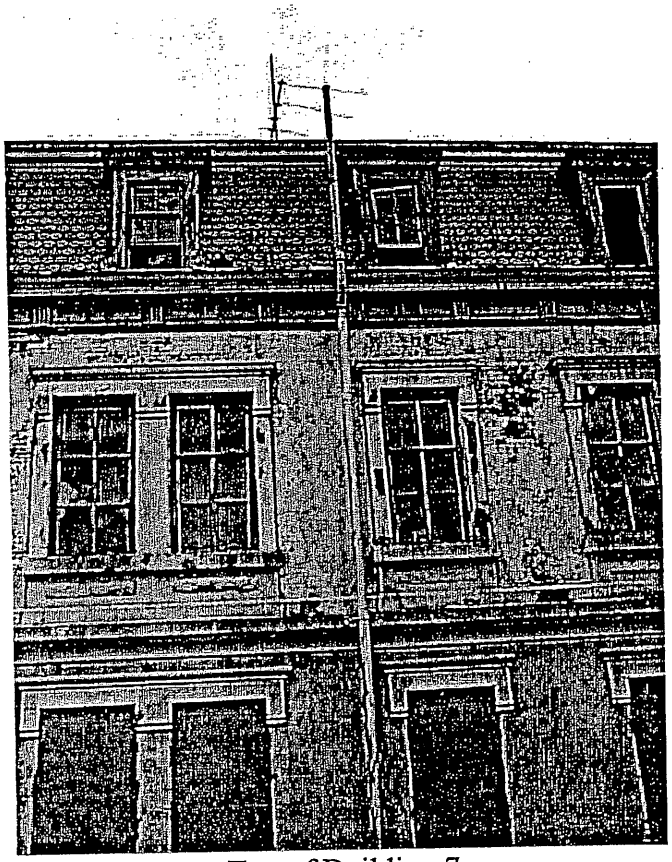


Decorative grate in front of fence to pier

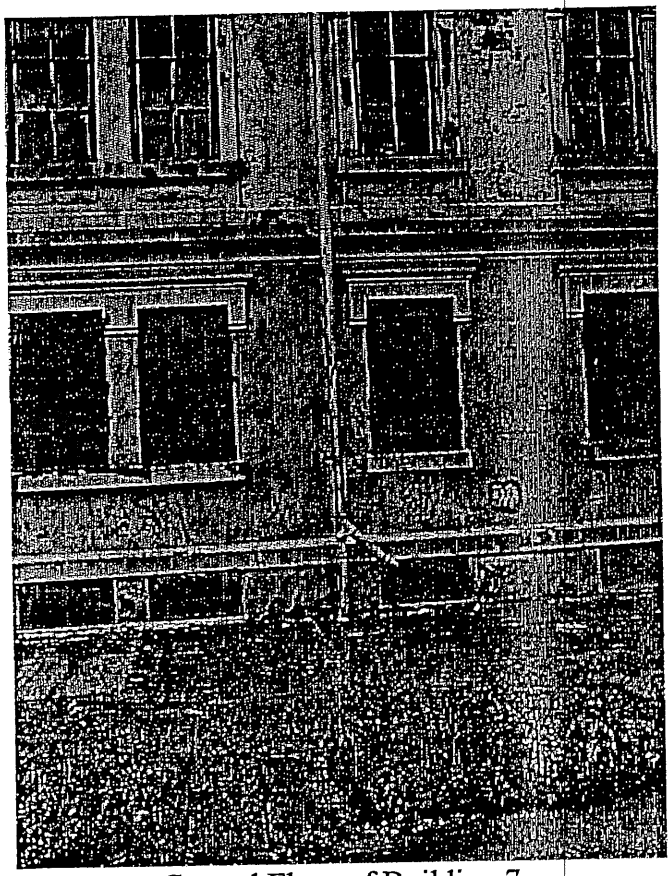


(from left) Buildings 6 and 5

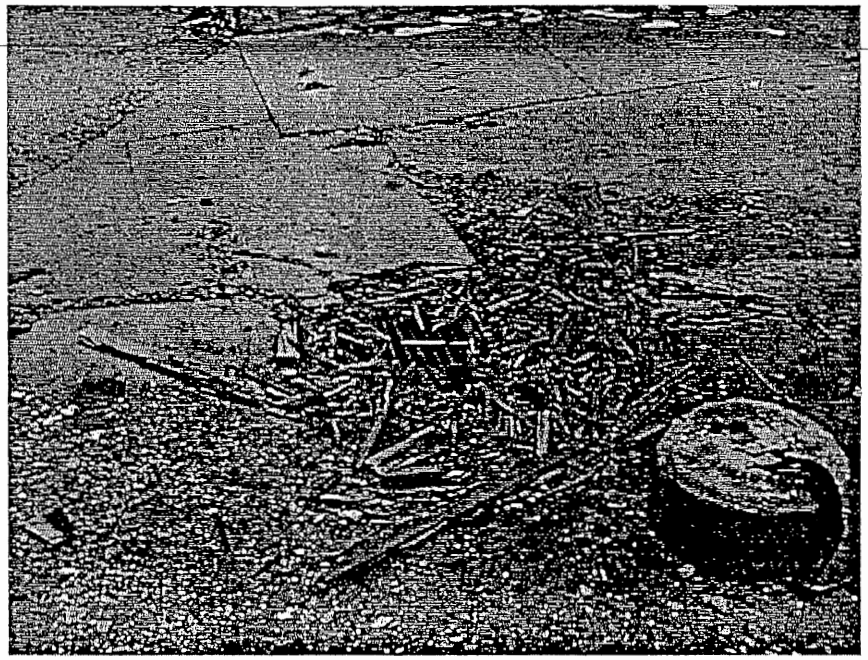
(from left) Buildings 8, 7, and 6



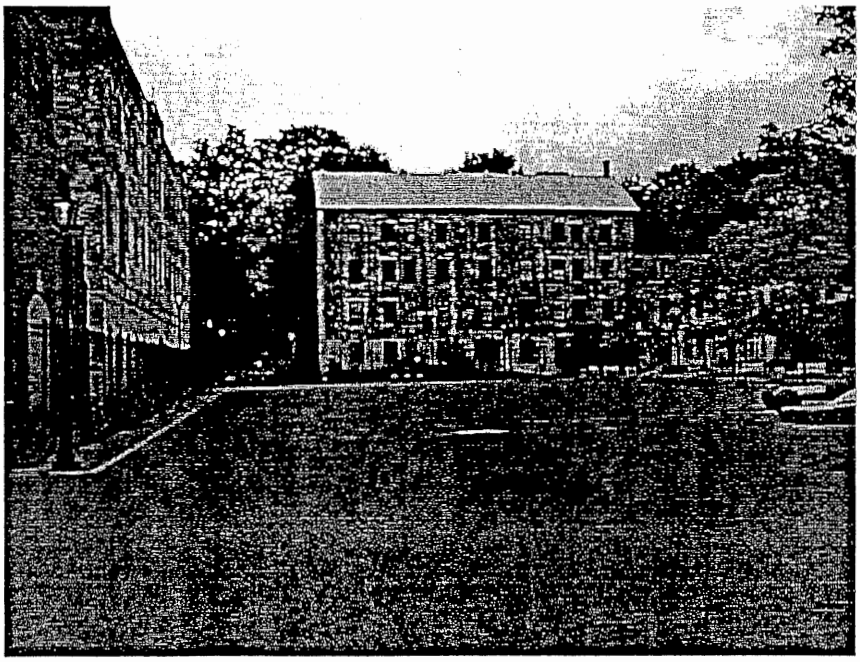
Top of Building 7



Ground Floor of Building 7

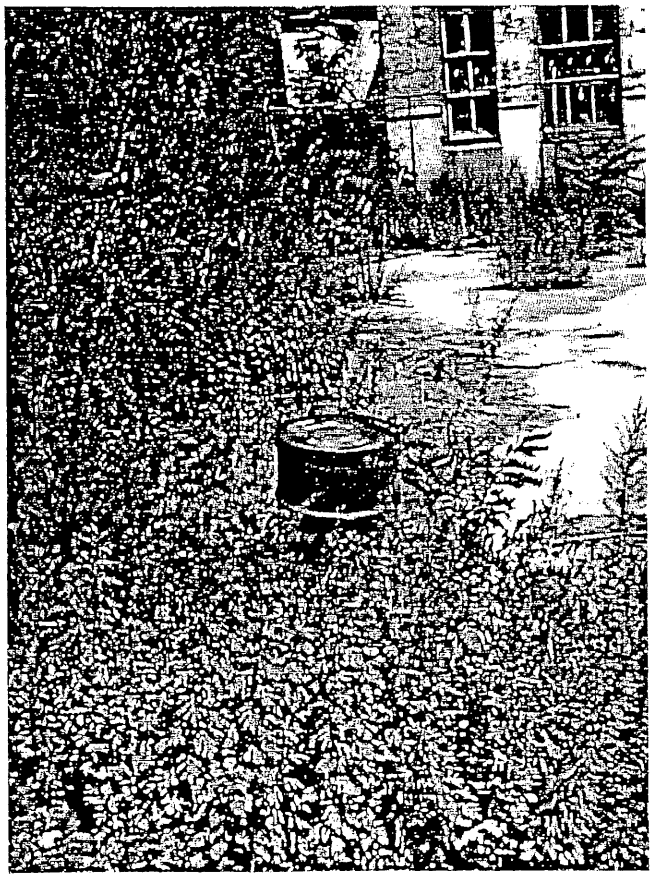


Apparent drainage grate near Building 7

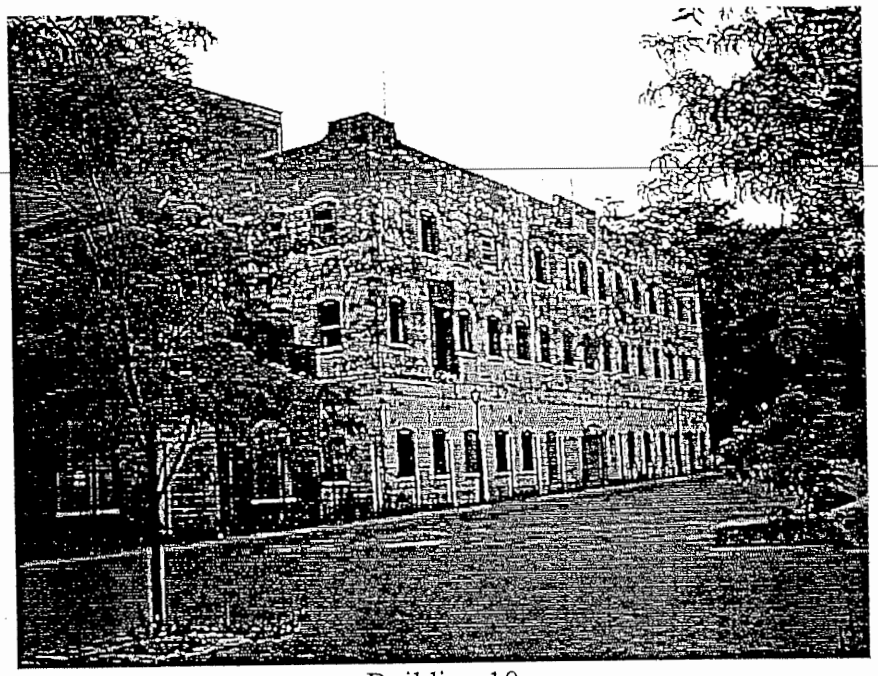


Building 8 (view from Main Courtyard)

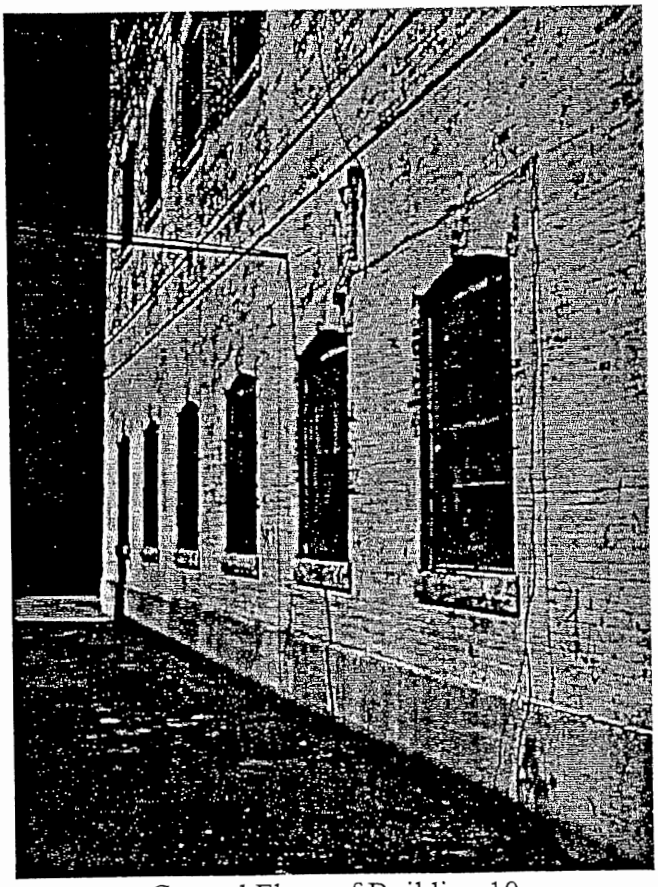
Utility access cover east of Building 5



Abandoned 55-gallon drum west of Building 8

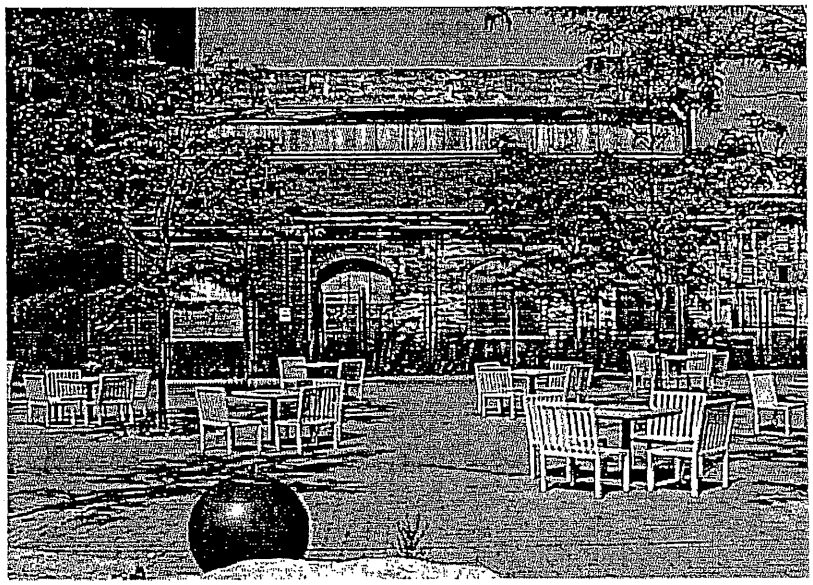


Building 10



Ground Floor of Building 10

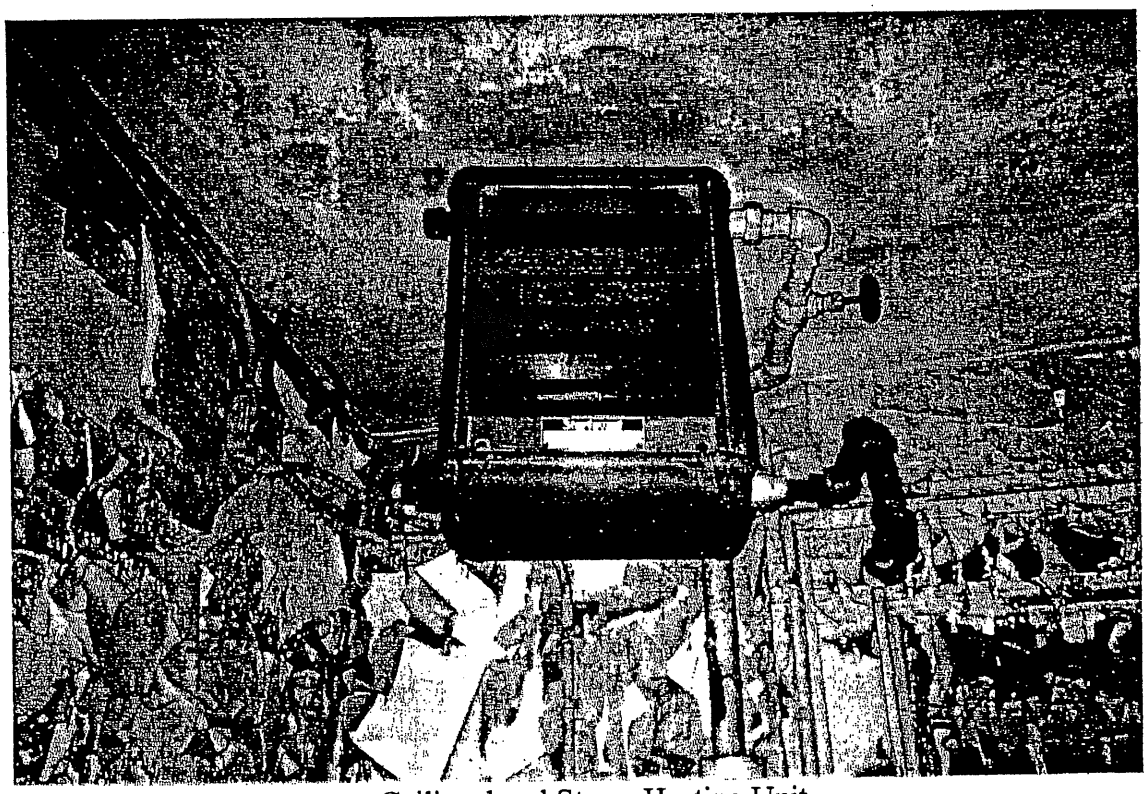
Building 11



Side of Building 11 (view from South Courtyard)

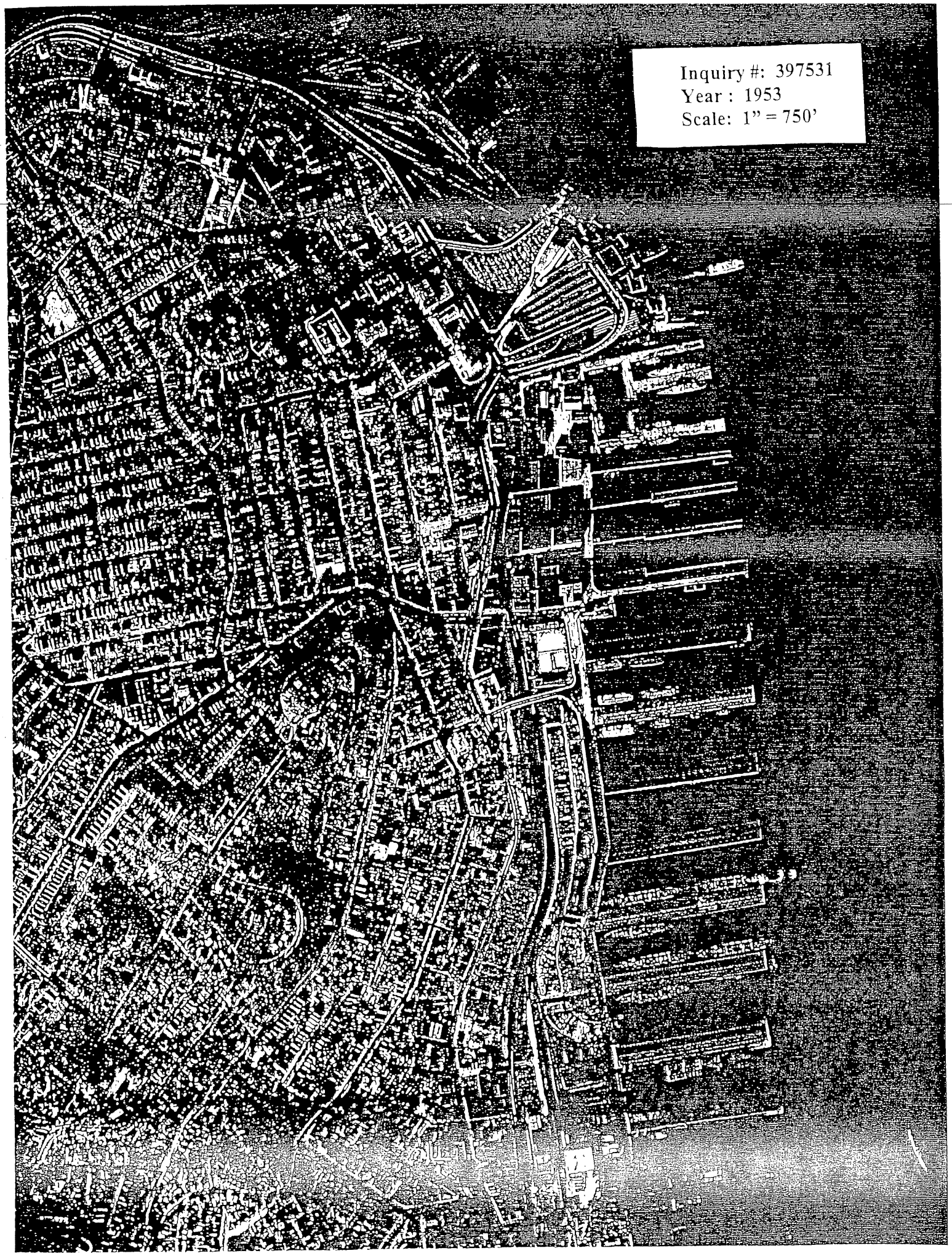
Pipe on Side of Building 11

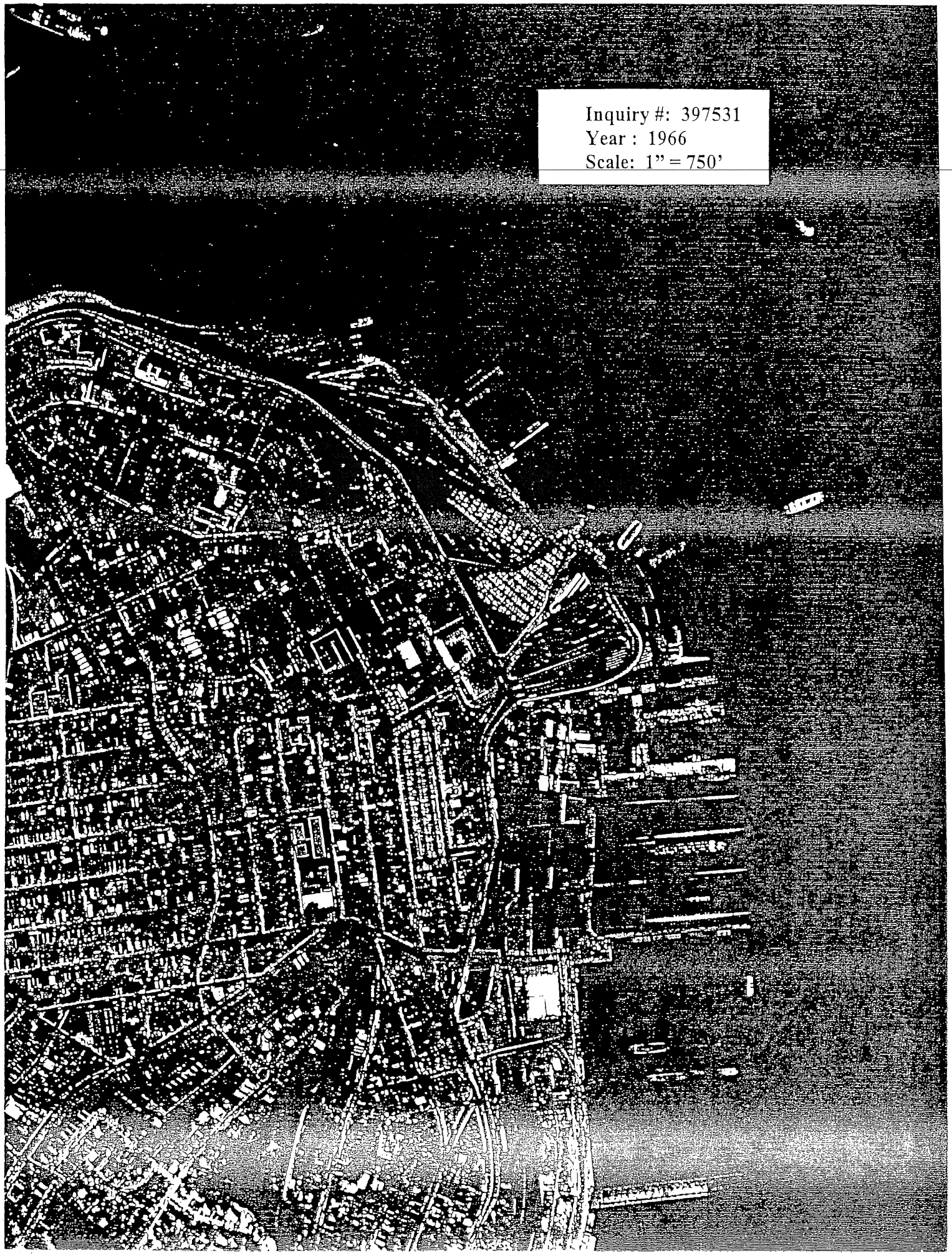
Acetylene tanks near Ferry Maintenance Building

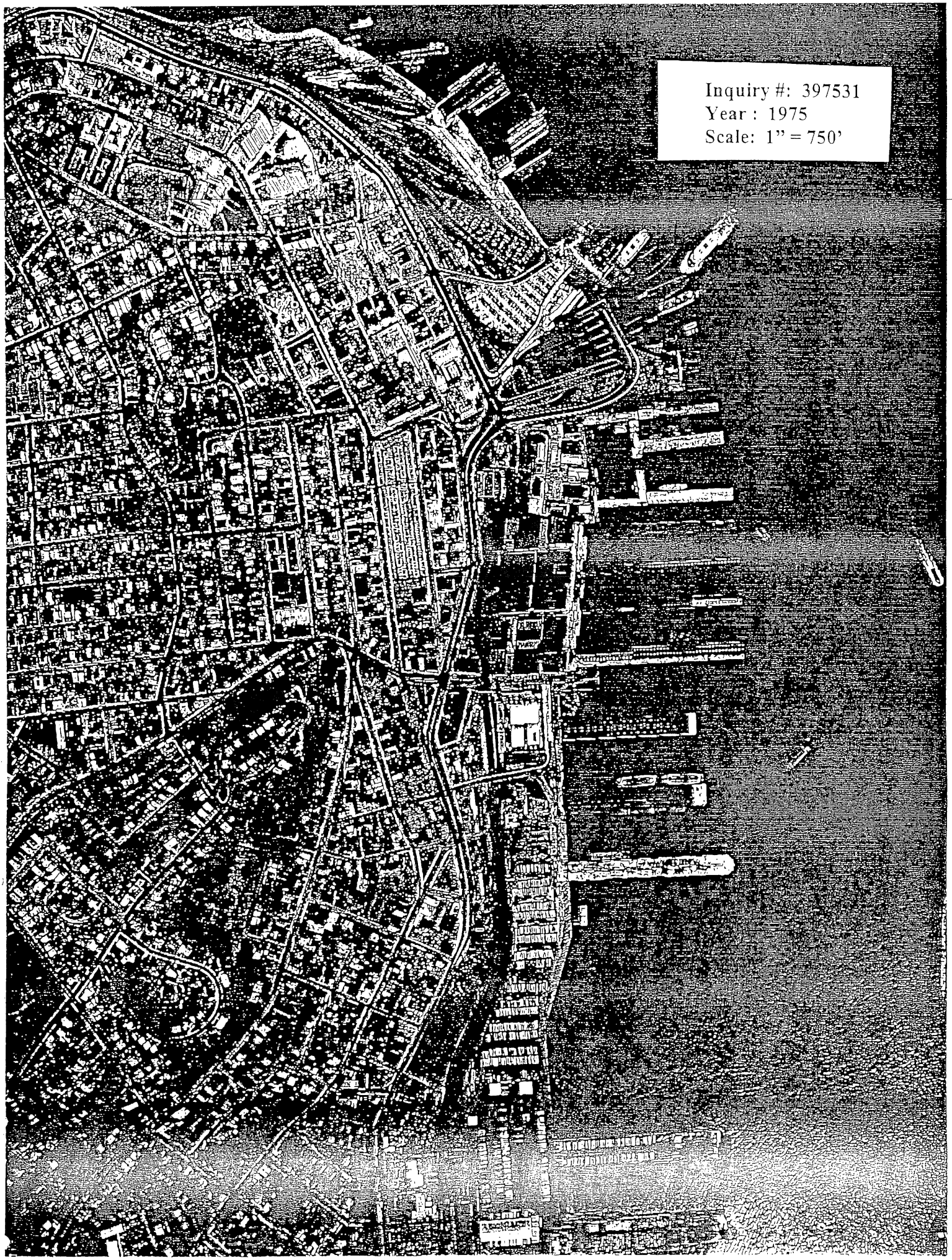


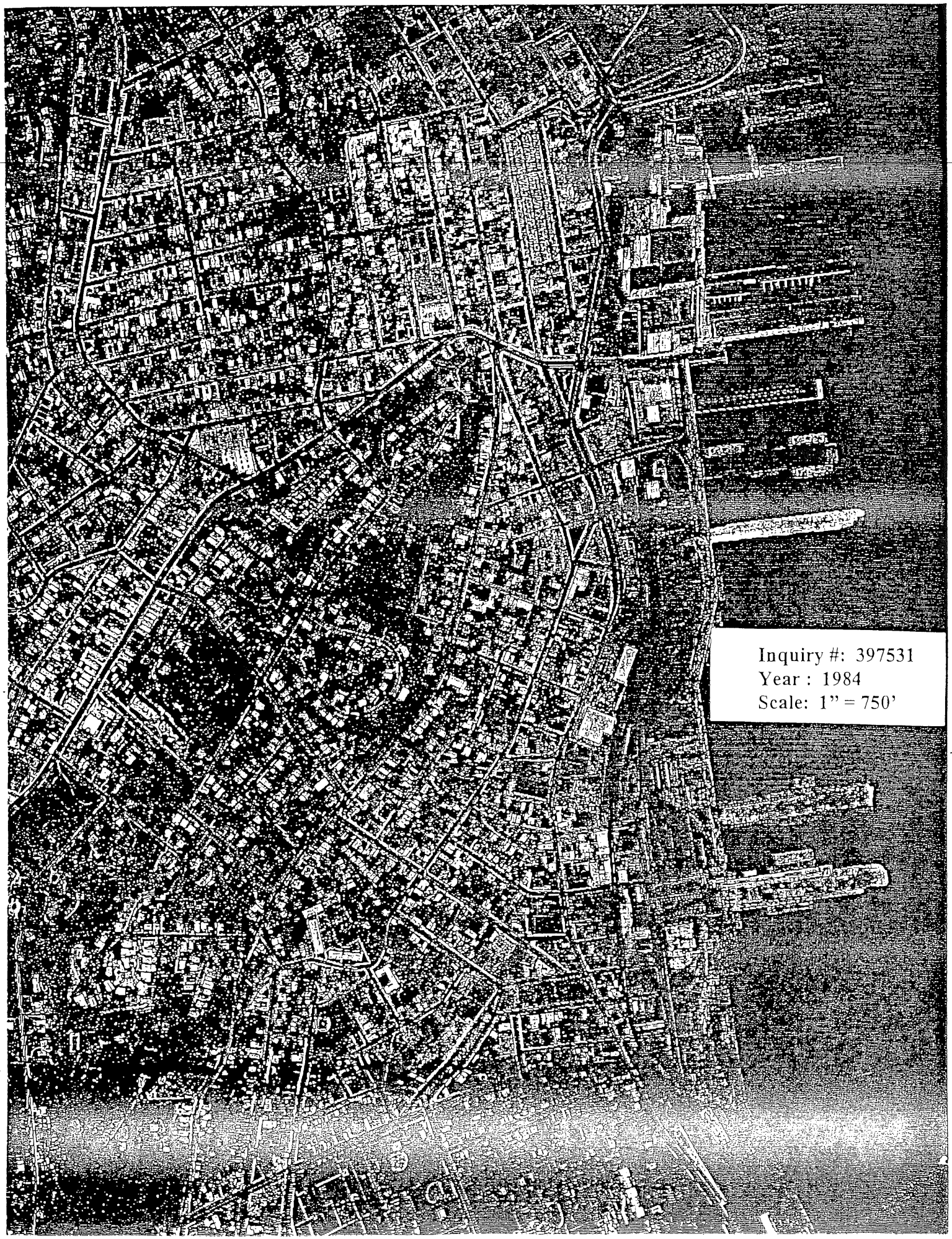
Ceiling-level Steam Heating Unit

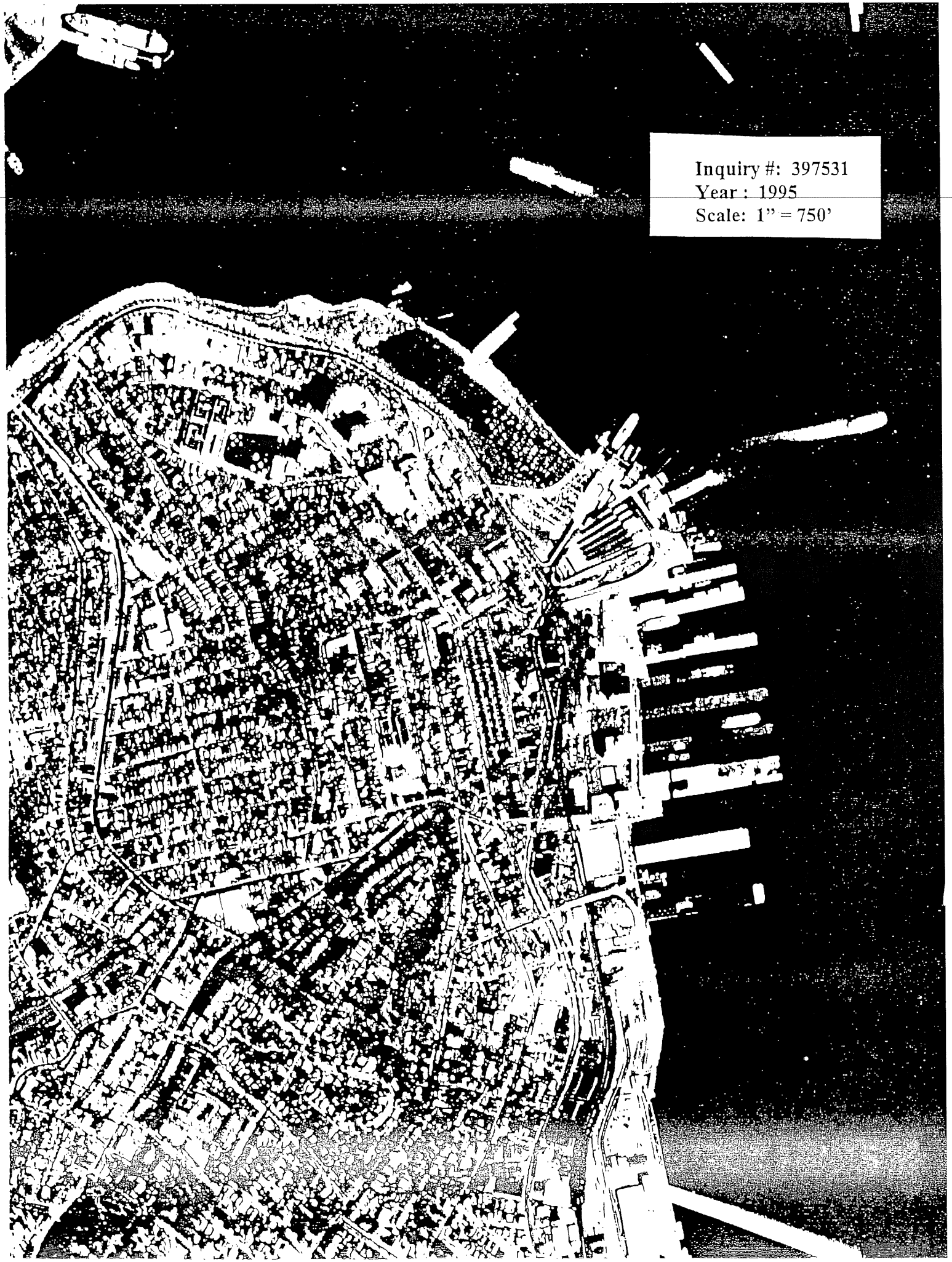
APPENDIX C: HISTORICAL AERIAL PHOTOGRAPHS


Inquiry #: 397531
Year : 1953
Scale: 1" = 750'


Inquiry #: 397531
Year : 1966
Scale: 1" = 750'


Inquiry #: 397531
Year : 1975
Scale: 1" = 750'


Inquiry #: 397531
Year : 1984
Scale: 1" = 750'


Inquiry #: 397531
Year : 1995
Scale: 1" = 750'

APPENDIX D: CORRESPONDENCE

B E I

BUREAU OF ENVIRONMENTAL INVESTIGATIONS
NEW YORK CITY DEPARTMENT OF HEALTH

346 Broadway Room 714, Box 16A, New York, NY 10013
Tel: (212) 442-3372 Fax: (212) 442-3378

August 16, 1999

Nancy Neuman
Sandstone Environmental Associates
411 Union Avenue
Middlesex, New Jersey 08846

Request No.: 1999FR03503

Dear Sir/Madam Nancy Neuman :

In Response to your recent request for record on:

St. George Coast Guard Base, Staten Island, NY

Please be advised that the Bureau for Environmental Investigations has "NO" record of an investigation at that address.

Very truly,

A.A. Munshi, Director

cc: P. Caruso

/rpt3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPA Region 2, 290 Broadway, 26th Floor (CD)
NEW YORK, NY 10007

Request Acknowledgment

August 12, 1999

NANCY NEUMAN
SANDSTONE ENVIRONMENTAL ASSOCIATES
411 UNION AVENUE
Middlesex, NJ 08846

Date of Your Request: August 2, 1999	Date Your Request was Received: August 5, 1999

SUBJECT:	ST. GEORGE COAST GUARD BASE IN STATEN ISLAND, NY

The Agency has twenty (20) working days to respond to your request. You can expect a reply shortly after expiration of the twenty-working day period (September 2, 1999). Further correspondence on this subject should cite the following Request Identification Number:

02-RIN-02448-99

Freedom of Information Officer 2CD
Office:
Fax:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

SEP - 8 1999

Ms. Nancy Neuman
Sandstone Environmental Associates, Inc.
411 Union Avenue
Middlesex, New Jersey 08846

Re: Freedom of Information Request No. 02-RIN-02448-99
Dated: August 2, 1999

Dear Ms. Neuman:

Your request for information has been referred to this branch for response. We have searched the Resource Conservation and Recovery Act (RCRA) files and/or computer database as appropriate to respond to your request. In addition, you may also receive more information from other program areas within this Regional Office.

We are unable to search for RCRA information without the facility name and/or street address. In this regard, kindly review the enclosed RCRA Notifiers List for NY 10301 in Staten Island and advise for which notifier you need information.

Also, RCRA information is now available on the World Wide Web as described on the enclosed Sheet.

Please include the above referenced request number in any subsequent communication relating to this request.

Sincerely yours,

Raymond Basso

Raymond Basso, Chief
RCRA Programs Branch

Enclosures

2HIDR1N REGION II RCRA NOTIFIERS LIST (SORTED BY ZIP CODE) K2DB.NYR
09/01/1999

FACILITY NAME CONTACT NAME	STREET ADDRESS	CITY ZIP CODE	COUNTY PHONE	ACTIVITY TYPE GEN	TR	/ALL-TSDS/	FACILITY ID
A & B AUTO BODY FRANK MAGGIO	65-67 HANNAH ST	STATEN ISL 10301	RICHMOND (718) 981-0063	SQG			NYD020591939
AMERADA HESS OIL RON JOHNSON	2488 HYLAN BLVD	STATEN ISL 10301	RICHMOND (201) 750-6708				NYD982738882
ANGIULI BUICK RAY EARLY	201 BAY ST	STATEN ISL 10301	RICHMOND (718) 727-7200	SQG			NYD066083114
AUCHTER INDUSTRIAL VAC SERVI BRIAN C AUCHTER	66 WALTERS AVE	STATEN ISL 10301	RICHMOND (212) 727-8276		X		NYD095760716
BELL ATLANTIC JOHN QUATRALE	355 FOREST AVE	STATEN ISL 10301	RICHMOND (212) 338-7141	SQG			NYR000064055
CON EDISON - BAY ST CP HENRY LAURO	15-60 BAY ST	STATEN ISL 10301	RICHMOND (718) 442-4249	CQG			NYR000020685

R2HIDR1N REGION II RCRA NOTIFIERS LIST (SORTED BY ZIP CODE) K2DB.NYR
09/01/1999

FACILITY NAME / CONTACT NAME	STREET ADDRESS	CITY / ZIP CODE	COUNTY / PHONE	ACTIVITY TYPE GEN	TR	/ALL-TSDS/	FACILITY ID
CURTIS HIGH SCHOOL FRANK CARDELLO	HAMILTON AVE & ST MARKS P	STATEN ISL 10301	RICHMOND (718) 706-3483				NYD986972164
DEMAS AUTO COLLISION TALAT DEMA	396 BAY ST	STATEN ISL 10301	RICHMOND (718) 816-9229	CQG			NY0000119917
DEPT OF GENERAL SERVICES TED R NABAVI	VICTORY BLVD & CLOVE RD	STATEN ISL 10301	RICHMOND (212) 669-8178				NYD981085301
FOREST AUTO BODY REPAIR BILL GREGORY	419 CASTLETON AVE	STATEN ISL 10301	RICHMOND (718) 447-5520				NYD040116378
GATEWAY NATIONAL RECREATION PETE SCHULZ	26 MILLER FIELD	STATEN ISL 10301	RICHMOND (718) 351-8700	SQG			NYD982794877
MARK MEYERS APARTMENT MARK MEYERS	440 WESTERVELT AVE	STATEN ISL 10301	RICHMOND (718) 979-4787	CQG			NYR000004325
MERRILL LYNCH & CO ANTHONY ORLANDO	10 TELEPORT DR	STATEN ISL 10301	RICHMOND (718) 355-4030	SQG			NYR000049577
NYC - STATEN ISLAND BOROUGH JOHN BLAKE	10 RICHMOND TER	STATEN ISL 10301	RICHMOND (914) 681-6384				NYR000024299
NYC BD OF ED - PUBLIC SCHOOL ROBERT GUASTA	80 MONROE ST	STATEN ISL 10301	RICHMOND (718) 349-5590	CQG			NYR000014688
NYC BD OF ED IS 61 WILLIAM SLADE	445 CASTLETON AVE	STATEN ISL 10301	RICHMOND (914) 681-6405	SQG			NYR000068023
NYC ECONOMIC DEV - BALLPARK KAY ZIAS	RICHMOND TER NICHOLAS & W ST BLK 2 LOT 20 N SIDE	STATEN ISL 10301	RICHMOND (212) 312-3752	SQG			NYR000070201
NYCDEP - OLD CLOVE PUMP STAT WILLIAM YULINSKY	24 ONTARIO AVE	STATEN ISL 10301	RICHMOND (718) 595-5774	SQG			NYR000073163
NYCDEP BROOKFIELD AVE LANDFI CYPRIAN COX	ARTHUR KILL W OF CLAY PIT	STATEN ISL 10301	RICHMOND (718) 595-4784				NYD980754717
NYCDOT - ST GEORGE TERMINAL MARIO VOLPI	RICHMOND TER & BAY ST	STATEN ISL 10301	RICHMOND (718) 963-9213				NYD987039542
NYCDOT - STATEN ISLAND FERRY MARK SANTAPAGA	1 BAY ST - MAINT BLDG	STATEN ISL 10301	RICHMOND (718) 390-5257				NYR000027250
NYCDOT FERRY MAINTENANCE FAC ALBERT SMITH	FOOT OF HANNAH ST PIER 7	STATEN ISL 10301	RICHMOND (718) 447-4357				NYD987005808

FACILITY NAME CONTACT NAME	STREET ADDRESS	CITY ZIP CODE	COUNTY PHONE	ACTIVITY TYPE GEN	TR	/ALL-TSDS/	FACILITY ID
NYSDOT - CONTRACT D252808 ROBERT BURTON	FOREST AVE UNDER S I EXPW	STATEN ISL 10301	RICHMOND (212) 518-1883		X		NYD986905370
NYSDOT - CONTRACT D252808 ROBERT BURTON	RTE 440 SB UNDER STATEN I	STATEN ISL 10301	RICHMOND (212) 518-1883		X		NYD986905388
NYSDOT CONTRACT D253757 JOHN HOEFLICH	SB WESTSHORE EXPWY AT SOU	STATEN ISL 10301	RICHMOND (718) 835-2956				NYD986952877
NYSDOT CONTRACT D253757 JOHN HOEFLICH	WB ST IS EXPWY AT FINGER	STATEN ISL 10301	RICHMOND (718) 835-2956				NYD986952885
NYSDOT CONTRACT D253757 JOHN HOEFLICH	NB WESTSHORE EXPWY AT ROA	STATEN ISL 10301	RICHMOND (718) 835-2956				NYD986952893
NYSDOT CONTRACT D253757 JOHN HOEFLICH	STATEN ISLAND EXPWY S SER & VICTORY BLVD	STATEN ISL 10301	RICHMOND (718) 966-7777		X		NYD986963726
NYSDOT CONTRACT D257216 PIETRO CALCARA	STATEN ISLAND EXPWY BETWE HYLAN BLVD & FOREST AVE	STATEN ISL 10301	RICHMOND (718) 370-3065				NYR000052613
NYSDOT ST GEORGE FERRY TERMI ALBERT SMITH	1 RICHMOND TER	STATEN ISL 10301	RICHMOND (718) 447-4357				NYD987005816
ST GEORGE SEAPORT THOS DUNCK	RICHMOND TERR AT HAMILTON	STATEN ISL 10301	RICHMOND (212) 344-0590				NYD982738890
VERRAZZANO MARK AHASIC	PIER 7 - AFLOAT	STATEN ISL 10301	RICHMOND (718) 636-0900	CQG			NYR000032664
VICTORY MOBIL SERVICE VINCENT RAGU	1262 CLOVE RD	STATEN ISL 10301	RICHMOND (703) 849-3330				NYD986956100
WAGNER COLLEGE DOMINICK FONTANO	631 HOWARD AVE	STATEN ISL 10301	RICHMOND (718) 390-3467				NYD986945376
730 RICHMOND TERRACE CORP FRANK MURPHY	730 RICHMOND TER	STATEN ISL 10301-1113	RICHMOND (718) 273-0731				NYD005836499
LAFAYETTE TAILORS INC CHARLES DIDEA	157 LAFAYETTE AVE	STATEN ISL 10301-1249	RICHMOND (718) 447-1121				NYD986959211
EPA REGION 2 SIGNO COTY SITE THOMAS KADY	600 RICHMOND TER	STATEN ISL 10301-1339	RICHMOND (201) 340-6621				NYD981565591
NYSDEC COTY ENTERPRISES LTD ANGELO MARCUCCIO	580-600 RICHMOND TER	STATEN ISL 10301-1339	RICHMOND (518) 457-5677				NYD080443567

R2HIDR1N

REGION II RCRA NOTIFIERS LIST (SORTED BY ZIP CODE)
09/01/1999

K2DB.NYR

FACILITY NAME CONTACT NAME	STREET ADDRESS	CITY ZIP CODE	COUNTY PHONE	ACTIVITY TYPE GEN TR /ALL-TSDS/	FACILITY ID
NYC - STATEN ISLAND FAMILY C JOHN BLAKE	100 RICHMOND TER	STATEN ISL 10301-1905	RICHMOND (914) 681-6384		NYR000024307
COLLEGE OF STATEN ISLAND JOHN SANTANA	130 STUYVESENT PL	STATEN ISL 10301-1907	RICHMOND (718) 391-1292		NYR000035279
MTA NYCT - ST GEORGE SUBSTAT HOWARD MATZA	5 RICHMOND TER	STATEN ISL 10301-1950	RICHMOND (718) 243-4581	LQG	NYR000054346
NYC - ST GEORGE FERRY TERMIN SCOTT HEWITT	ONE BAY ST	STATEN ISL 10301-2510	RICHMOND (718) 981-6262		NYD986912939
COLLEGE OF STATEN ISLAND ERNEST BUSCH	50 BAY ST	STATEN ISL 10301-2511	RICHMOND (718) 390-7994		NYD982537292
RAINBOW CLEANERS & TAILORS C JERRY AGRO	364 FOREST AVE	STATEN ISL 10301-2642	RICHMOND (718) 447-5252		NYD981492671
RANDALL MANOR CLEANERS CHARLES MARTINO	378 FOREST AVE	STATEN ISL 10301-2642	RICHMOND (718) 442-6491		NYD981186653
NYC DEPT OF SANITATION - J S FOREMAN BONOMO	539 JERSEY ST SI-A1	STATEN ISL 10301-2912	RICHMOND (718) 447-3543		NYD986869790
DIMAURO'S CLEANER HCONTFIRST HCONTLAST	6 CEBRA AVE	STATEN ISL 10301-3006	RICHMOND (718) 447-6617		NYD981087489
CHARLY CLEANERS INC CHEONG HO RHEE	352 VICTORY BLVD	STATEN ISL 10301-3019	RICHMOND (718) 816-7939		NYD982277071
JOHN & ANDYS AUTO BODY INC JOHN DOMARO	114 VAN DUZER ST	STATEN ISL 10301-3228	RICHMOND (718) 448-0810		NYD981178601
GETTY PETROLEUM CORP DALE HOLDEN	1201 VICTORY BLVD	STATEN ISL 10301-3900	RICHMOND (516) 286-2600		NYD986923803
GETTY PETROLEUM CORP DALE HOLDEN	1212 VICTORY BLVD	STATEN ISL 10301-3902	RICHMOND (516) 286-2600		NYR000041343
SUN CLEANER KIM SUNG	1288 CLOVE RD	STATEN ISL 10301-4301	RICHMOND (718) 981-9326		NYD986982544
NOTRE DAME ACADEMY HS ONA BESSETTE	134 HOWARD AVE	STATEN ISL 10301-4405	RICHMOND (718) 447-8878		NYD135881902
NYC BD OF ED JOHN BLAKE	715 OCEAN TER MICHAEL J PETRIDES ED COM	STATEN ISL 10301-4542	RICHMOND (914) 681-6384		NYD151353455

Environmental Protection Agency Internet

Internet

RCRA information is now available on the Internet. The address is http://www.epa.gov and if you have any questions, please contact the RCRA Hotline telephone number at 1-800-424-9346.

Another feature posted on the Internet by EPA HQ's is the Final National Biennial Reports with Data Files for all BRS reporting years, found at:

http://www.epa.gov/epaoswer/hazwaste/data. The Preliminary 1997 National Report is posted on the Internet and the address is:

http://www.epa.gov/epaoswer/hazwaste/data/pbr97/97pbr.htm. Also, available on the Internet is a public access on-line query engine for environmental databases found at:

http://www.rtk.net

In the near future, the public will have electronic access to RCRA facility-specific information which will also include some flat file reports. The RCRA reports will soon be available on the Freedom of Information Act (FOIA) Web Page. The FOIA Web Page will replace the Region 2 Bulletin Board System. The Bulletin Board System is out of date.

New York State Department of Environmental Conservation
7-40 21st Street, Long Island City, New York 11101
Region 2 - Freedom of Information Law Office
482-4949; fax (718) 482-4954

John P. Cahill
Commissioner

August 25, 1999

Ms Nancy Neuman
Sandstone Environmental
Associates., Inc
411 Union Avenue
MIddlesex, NJ 08846

RE: NYSDEC FOIL Request #2 - 460 - 99

Dear FOIL Applicant:

The following units have been searched and can provide no material for your request as presented.

AIR___	BULK STORAGE_X_	SOLID WASTE_X_
HAZ SUBSTANCE REG___	HAZ WASTE RMDTN___	PESTICIDE___
REGULATORY AFFAIRS___	OIL SPILLS_X_	WATER/SPDES___
FISH & WILDLIFE___	TIDAL WTLNDS___	LEGAL AFFAIRS___
LAW ENFORCEMENT___		

Thank you.

Sincerely,

Robert Lieblein
Director of Public Affairs
Region 2

Site:
See your letter attached.

THE CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION
JOEL A. MIELE, SR., P.E. Commissioner

ROBERT C. AVALTRONI
Deputy Commissioner

Bureau of
Air, Noise, & Hazardous
Materials

September 15, 1999

Nancy Neuman, Ph.D., QEP
Sandstone Environmental Associates, Inc.
411 Union Avenue
Middlesex, NJ 08846

Dear Ms. Neuman:

In response to your Freedom of Information Law information request, dated August 2, 1999, the Division of Air, Noise, Permitting, Enforcement and Policy has searched its files on The St. George Coast Guard Base, Staten Island and:

☐ has located and enclosed the requested documents.

☐ a total of _____ pages of materials have been located. We are required to charge $.25¢ per page. Please make check payable to **The City of New York** for the cost of copying materials. Upon receipt of your check for $_____, copies of these records will be sent to you.

☒ does not have the requested documents

Sincerely,

Geraldine Kelpin
Director, Air, Noise, Permitting,
Enforcement and Policy

xc: Marie Dooley
961591

59-17 Junction Boulevard, 11th Floor, Corona, New York 11368-5107

THE CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION
JOEL A. MIELE SR., P.E., Commissioner

Mark D. Hoffer
General Counsel

Bureau of
Legal Affairs

PHONE (718) 595-6555
FAX (718) 595-6543
www.ci.nyc.ny.us/dep

August 10, 1999

Sandstone Environmental Associates, Inc.
Nancy Neuman
411 Union Avenue
Middlesex, NJ 08846

Re: The St. George Coast Guard Base, Staten Island

Dear Ms. Neuman:

We hereby acknowledge receipt of your **Freedom of Information Law** request dated August 2, 1999.

Your request is currently being reviewed by our agency, and will be granted or denied in approximately two weeks.

If you have any questions, please call Marie Dooley or Charlotte Abo-Comitini at (718) 595-6555.

Very truly yours,

Judah Prero for

Marie A. Dooley
Assistant Counsel

dr

Log # 961591

59-17 Junction Boulevard, 19th Floor, Corona, New York 11368-5107

THE CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION
JOEL A. MIELE, SR., P.E. Commissioner

ROBERT C. AVALTRONI
Deputy Commissioner

PHONE (718) 595-4418
FAX (718) 595-4422

Bureau of
Air, Noise, & Hazardous
Materials

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
ASBESTOS CONTROL PROGRAM
FREEDOM OF INFORMATION RESPONSE FORM

September 9, 1999

Ms. Nancy Neuman, Ph.D., QEP
Sandstone Environmental Associates, Inc.
411 Union Avenue
Middlesex, NJ 08846

Re: The St. George Coast Guard Base, SI

Dear Ms. Neuman:

In response to your Freedom of Information Law request dated September 2, 1999, the Asbestos/Lead Control Program has searched its records and has no files for above mentioned premise.

If you have any questions, please do not hesitate to contact me at (718) 595-3677.

Sincerely yours,

Josianne Xantus

Josianne Xantus

xc: FOIA File

59-17 Junction Boulevard, 11th Floor, Corona, New York 11368-5107

THE CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION
JOEL A. MIELE, SR., P.E., Commissioner

ROBERT E. ADAMSKI, P.E.
Deputy Commissioner

(718) 595-5050
(718) 595-5037

Bureau of
Wastewater Pollution Control

Date: 10-6-99

Ref: Freedom of Information Law Request for

SEE ATTACHMENT

Sandstone Env. Assoc. Inc.
411 Union Avenue
Middlesex, N.J., 08846

Log # 961591

Dear Sir/Madam:

This is in response to your letter requesting information, under the Freedom of Information Law, which may be contained in the records of this Department.

This response specifically addresses only those aspects of your request that concern the discharge of wastewater or other materials to a New York City public sewer. If you requested additional information concerning the availability of other records, you should receive a separate response from the Bureau responsible for maintaining such files.

Concerning your request, the Division of Pollution Prevention & Monitoring.

[ ] cannot identify the requested location.

[X] does not have any information.

[ ] has information about the subject location. Please telephone Mr. Vitaly Weiler at (718) 595-4756 to arrange for an appointment to review the file.

[ ] other _____

Sincerely,

Joan Hall

Joan Hall, Esq., Chief
Planning & Permitting Section

96-05 Horace Harding Expressway, 2nd Floor, Corona, New York 11368-5107

A-95A (7/97) 1-0-971135-110

FIRE DEPARTMENT • CITY OF NEW YORK
BUREAU OF REVENUE MANAGEMENT
9 MetroTech East
Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO:

SANDSTONE ENVIRONMENTAL ASSOCIATES, INC
411 UNION AVE
MIDDLESEX, NJ 08846
ATTN: NANCY NEUMAN PHD

Search No.

The undersigned requests the following information:

St. George Coast Guard Base, Block 1, Lots 55, 60, & 70 STATEN ISLAND
ADDRESS BOROUGH
see attached maps

For Buried Motor Vehicle Fuel Tanks Only

- [x] 1. No. and size of tanks (includes date of installation) ..... Fee $10.00
- [x] 2. No. and size of sealed and/or removed tanks ..... Fee $10.00
- [x] 3. Most recent tank and/or piping test results, including type of test performed Fee $10.00
- [x] 4. History of leaks ..... Fee $10.00
- [x] 5. Pending Headquarters violation orders ..... Fee $10.00
- [x] 6. Other _____ Fee $10.00

Total $60

State applicants interest in or relation to premises: see attachment

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed _____

Date 8/27/99

DO NOT WRITE BELOW THIS LINE

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., 9/1/99 our records show the following: (ADDITIONAL COMMENTS ARE MADE ON REVERSE SIDE) NO RECORD

JUL 15 1999
NO VIOLATIONS
Bureau of Fire Prevention
Fire Dept. City of N.Y.
LB

Searched By: ST Robert Lyman

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS.

★ PROPERTY INFORMATION REPORT

AMERISTAR
INFORMATION NETWORK, INC.

CUSTOMER INFORMATION:

Sandstone Environmental Associates, Inc.
411 Union Avenue
Middlesex, NJ 08846

PROJECT NAME:

Richmond County, New York

SITE LOCATION:

Staten Island, Richmond County, New York

CURRENT LEGAL DESCRIPTION:

Being all the lots, tracts or parcels situated in Lots 60 & 70, Block 1 Staten Island, being in the County of Richmond, City and State of New York, and being more particularly described in attached deed.

CURRENT OWNERSHIP:

City of New York

★ PROPERTY INFORMATION REPORT

AMERISTAR
INFORMATION NETWORK, INC.

DISCLAIMER / PURPOSE:

Because this report contains information obtained from public records, rather than our company being a primary provider of such, Ameristar cannot and will not, for the fee charged, be an insurer or guarantor of the accuracy or reliability of said information. Ameristar does not guarantee or warrant the accuracy, timeliness, completeness, currentness, merchantability or fitness for a particular purpose of services provided. Further, excluding the cost for service fees to procure this report, Ameristar is not liable to user for any loss or injury arising out of or caused, in whole or in part, by Ameristar's acts or omissions, whether negligent or otherwise, in procuring, compiling, collecting, interpreting, reporting, communicating, or delivering the services or information contained herein. THIS REPORT IS NOT AN ABSTRACT, OR OPINION OF TITLE, TITLE COMMITMENT OR GUARANTEE, OR TITLE INSURANCE POLICY.

OWNERSHIP SUMMARY:

Grantor owns prior to 1940.

WARRANTY DEED:

DATE:	9/21/83		
GRANTOR:	The People of The State of New York		
GRANTEE:	City of New York		
VOLUME:	26	**PAGE:**	7530

PERMITTED ENCUMBRANCES:

*** No environmental liens were found filed on the property.**

END OF REPORT.

★2730 N Stemmons Frwy, Ste 801 – West Towers, Dallas TX 75207 Tel: 214.634.9270 Fax: 214.634.9271★

The People of the State of New York, by the Grace of God,
Free and Independent, Ml. 26 M17530

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Know ye, That pursuant to Article 6, Section 75, subdivision 7 of the Public Lands Law, and Findings of the Deputy Commissioner of General Services dated September 21, 1983, and in consideration of the sum of Fifty-Five Thousand Dollars ($55,000.), lawful money of the United States of America, paid by City of New York, a municipal corporation organized under the laws of the State of New York, with its principal office and place of business at 100 Center Street, New York, New York, we have given and granted and by these presents do give and grant unto the said CITY OF NEW YORK, the owner of the land adjacent to the land hereinafter described, its successors or assigns, the following described premises:

All those lands now or formerly under the waters of New York Bay situate in the County of Richmond, City and State of New York, bounded and described as follows:

Beginning at a point on the original low water line of New York Bay and the northeast corner of a grant of uplands to the United States of America dated 18 June 1814, said point being North sixty-seven degrees fifty-four minutes eighteen seconds East six hundred ninety and ninety-nine hundredths feet from Richmond Co. Topo. Bureau Mon. 02630, coordinates S6035.548, W9128.817; running thence partially along a grant of lands under water to the United States of America dated June 18, 1867, North eighty degrees twelve minutes twenty-six seconds East eighty-seven and ninety-five hundredths feet to a point on the U.S. Bulkhead Line, approved by the Secretary of War 30 October 1915, thence along said bulkhead line South twelve degrees fifty-three minutes zero seconds East five hundred thirty-four and ninety-two hundredths feet to a point on the northerly line of a grant of land under water to the United States of America dated 25 August 1868, thence along said grant South eighty degrees thirty-two minutes twenty-six seconds West one hundred ninety-three and eighty-eight hundredths feet to its northwesterly corner, thence South fifteen degrees fifteen minutes twenty-nine seconds West forty-seven and fifty-one hundredths feet to a point on the division line between the property of the United States of America and Ari Staten, Inc., thence along said line North eighty-one degrees fourteen minutes zero seconds West thirty-two and eighty-five hundredths feet, thence along an easterly line of a grant of land to the United States of America dated 25 August 1868 North nine degrees two minutes twenty-six seconds East forty-seven and thirty-nine hundredths feet, thence along the northerly line of said grant North eighty degrees fifty-seven minutes thirty-four seconds West one hundred forty-four and one tenth feet to a point on the original low water mark, the southeasterly corner of a grant of land to the United States of America dated 18 June 1814, thence along said grant North thirty-five degrees two minutes twenty-six seconds East one hundred ninety-four and two hundredths feet, and North eight degrees forty-two minutes twenty-

51

six seconds East three hundred fifty-four and ninety-eight hundredths feet to the point of beginning, containing one hundred nine thousand seven hundred ninety-eight square feet, more or less of which sixty-eight thousand four hundred seventy square feet, more or less are filled in.

All bearings and coordinates are referred to the rectangular coordinate system established by the City of New York for the Borough of Richmond which is perpendicular and parallel to the meridian through U.S.C. & G.S. Sta. "Bogart" at Todt Hill, S.I.

RED 26 1027531

REEL 26 PAGE 7532

IN WITNESS WHEREOF, our Deputy Commissioner of General Services has caused these letters patent to be issued in our name this 21st day of September, 1983

THE PEOPLE OF THE STATE OF NEW YORK

By _____

RICHARD G. VAN EANDT
Deputy COMMISSIONER OF GENERAL SERVICES

STATE OF NEW YORK
DEPARTMENT OF STATE } ss.:

I hereby certify that the Great Seal of the State of New York was hereto affixed on the 26th day of September, 1983

_____
James C. Duke, Special Executive Deputy Secretary of State

Approved as to form this 23rd day of September, 1983

ROBERT ABRAMS
Attorney General

By _____
Assistant Attorney General

Approved this 12th day of October, 1983

EDWARD V. REGAN
State Comptroller

By _____

28-8 GS 83-50

53

Recording Fee $ NO FEE No. 36778

The People of the State of New York

TO

CITY OF NEW YORK

LETTERS PATENT

STATE OF NEW YORK
Department of State
May 1, 1984
Recorded in Book of Patents

No. 87 at page 31

GAIL S. SHAFFER
Secretary of State

By Mrs. Lillian W. Countryman
Miscellaneous Records

TAX BLOCK 1
LOT 70 + P/O 60

STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
ALBANY, N.Y. 12242

RECORD & RETURN TO
FREDERICK A.O. SCHWARZ, JR.
CORPORATION COUNSEL
100 CHURCH STREET
NEW YORK, N.Y. 10007
5th FLOOR
SECTION D - R 3 5

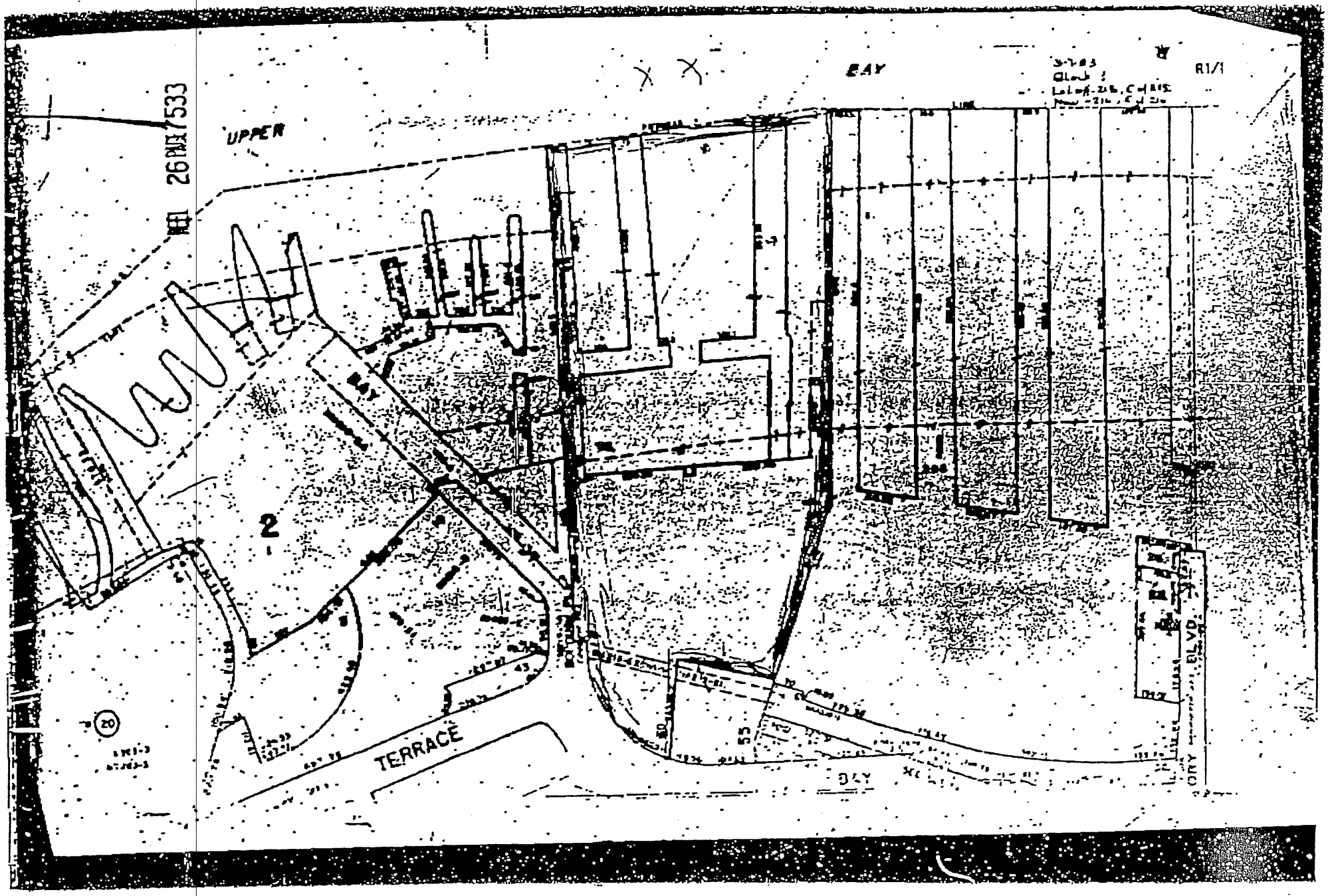
RECORDED IN RICHMOND COUNTY
ON MAY 10 1984 7:30
Maria J. Esposito
COUNTY CLERK

BLOCK
ALPHA
TICKLER

RECEIVED
CASHIER
MAY 10 3 17 PM '84
RICHMOND
COUNTY CLERK

RECEIVED
REAL ESTATE
MAY 1 1984
TRANSFER TAX
RICHMOND
COUNTY

26MX7533



APPENDIX E: REGULATORY DATABASE REPORT

The EDR-Radius Map
with GeoCheck®

St. George Coast Guard Base
Bay Street/Borough Place
Staten Island, NY 10301

Inquiry Number: 397531.1s

August 03, 1999

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Topographic Map	2
GeoCheck Summary	3
Overview Map	5
Detail Map	6
Map Summary - All Sites	7
Map Summary - Sites with higher or the same elevation as the Target Property	8
Map Findings	9
Orphan Summary	33

APPENDICES

GeoCheck Version 2.1	A1
EPA Waste Codes	A2
Government Records Searched / Data Currency Tracking Addendum	A3

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

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.
NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, EXPRESSED OR IMPLIED, SHALL APPLY AND EDR SPECIFICALLY DISCLAIMS THE MAKING OF SUCH WARRANTIES. IN NO EVENT SHALL EDR BE LIABLE TO ANYONE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. COPYRIGHT (C) 1998 BY ENVIRONMENTAL DATA RESOURCES, INC. ALL RIGHTS RESERVED.

Unless otherwise indicated, all trademarks used herein are the property of Environmental Data Resources, Inc. or its affiliates.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

BAY STREET/BOROUGH PLACE
STATEN ISLAND, NY 10301

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:..... National Priority List
Delisted NPL:..... NPL Deletions
RCRIS-TSD:..... Resource Conservation and Recovery Information System
SHWS:..... State Haz. Waste
CERCLIS:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:..... Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:..... Corrective Action Report
SWF/LF:..... Facility Register
AST:..... Petroleum Bulk Storage (AST)
RAATS:..... RCRA Administrative Action Tracking System
HMIRS:..... Hazardous Materials Information Reporting System
PADS:..... PCB Activity Database System
ERNS:..... Emergency Response Notification System
FINDS:..... Facility Index System/Facility Identification Initiative Program Summary Report
TRIS:..... Toxic Chemical Release Inventory System
NPL Lien:..... NPL Liens
TSCA:..... Toxic Substances Control Act
MLTS:..... Material Licensing Tracking System
NY Spills:..... NY Spills
CBS UST:..... Chemical Bulk Storage (CBS) Database
CBS AST:..... Chemical Bulk Storage (CBS) Database
MOSF UST:..... Major Oil Storage Facilities Database
MOSF AST:..... Major Oil Storage Facilities Database
HSWDS:..... Hazardous Substance Waste Disposal Site Inventory
VCP:..... Voluntary Cleanup Agreement
ROD:..... ROD
CONSENT:..... Superfund (CERCLA) Consent Decrees
Coal Gas:..... Former Manufactured gas (Coal Gas) Sites.
MINES:..... Mines Master Index File

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

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

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

EXECUTIVE SUMMARY

Surrounding Properties:

Elevations have been determined from the USGS 1 degree 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. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). 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.

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Conservation's Spills Information Database.

A review of the LUST list, as provided by EDR, and dated 04/01/1999 has revealed that there are 14 LUST sites within approximately 0.5 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BARUCH	70 BARUCH PLACE	0 - 1/8 NE	1	9
RICHMOND TERR.& BAY ST/SI	RICHMOND TERRACE / BA	0 - 1/8 WNW	A3	11
STATEN ISLAND FERRY TERMI	***1 RICHMOND TER***	***0 - 1/8 WNW***	***A4***	***12***
STATEN ISLAND SAVINGS BANK	***15 HYATT ST***	***1/8 - 1/4 W***	***B10***	***16***
STATEN ISLAND COLLEGE	130 STUYVESANT PL	1/8 - 1/4 WNW	C14	19
COLLEGE OF STATEN ISLAND	***130 STUYVESANT PL***	***1/8 - 1/4 WNW***	***C15***	***20***
120 STAVESENT PL/S.I.	120 STAVESENT PLACE	1/8 - 1/4 WNW	D18	25
78 RICHMOND TERRACE	***78 RICHMOND TER***	***1/4 - 1/2 NW***	***19***	***26***
CON EDISON	***44 VICTORY BLVD***	***1/4 - 1/2 SW***	***20***	***27***
37 HAMILTON AVE/BKLYN	37 HAMILTON AVENUE	1/4 - 1/2 NW	21	29
Not reported	157 DANIEL LOW TER	1/4 - 1/2 W	22	29
60 HAMILTON AVE/BKLYN	60 HAMILTON AVENUE	1/4 - 1/2 NW	E23	30
60 HAMILTON AVE/MELBROOK	60 HAMILTON AV	1/4 - 1/2 NW	E24	31
CONTAMINATED SOIL	260 BAY ST	1/4 - 1/2 S	25	31

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 UST list, as provided by EDR, and dated 01/01/1999 has revealed that there are 7 UST sites within approximately 0.25 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ST GEORGE FERRY TERMINAL	BAY STREET / RICHMOND T	0 - 1/8 WNW	A2	9
UNOCCUPIED	152 STUYVESANT PL	1/8 - 1/4 WNW	B9	15
STATEN ISLAND SAVINGS BANK	***15 HYATT ST***	***1/8 - 1/4 W***	***B10***	***16***
BENEDICT REALTY CO	36 RICHMOND TER	1/8 - 1/4 NW	11	17
COLLEGE OF STATEN ISLAND	***130 STUYVESANT PL***	***1/8 - 1/4 WNW***	***C15***	***20***
60 BAY ST	***60 BAY ST***	***1/8 - 1/4 SSW***	***16***	***22***
THE COLLEGE OF STATEN ISLAND	120 STUYVESANT PL	1/8 - 1/4 WNW	D17	24

EXECUTIVE SUMMARY

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 04/26/1999 has revealed that there are 4 RCRIS-SQG sites within approximately 0.25 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NYCDOT - ST GEORGE TERMINAL	*RICHMOND TER & BAY ST*	*0 - 1/8 WNW*	*A5*	*13*
NYC - STATEN ISLAND BOROUGH HA	*10 RICHMOND TER*	*0 - 1/8 WNW*	*8*	*14*
COLLEGE OF STATEN ISLAND	*50 BAY ST*	*1/8 - 1/4 SSW*	*12*	*18*
COLLEGE OF STATEN ISLAND	*130 STUYVESENT PL*	*1/8 - 1/4 WNW*	*C13*	*19*

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

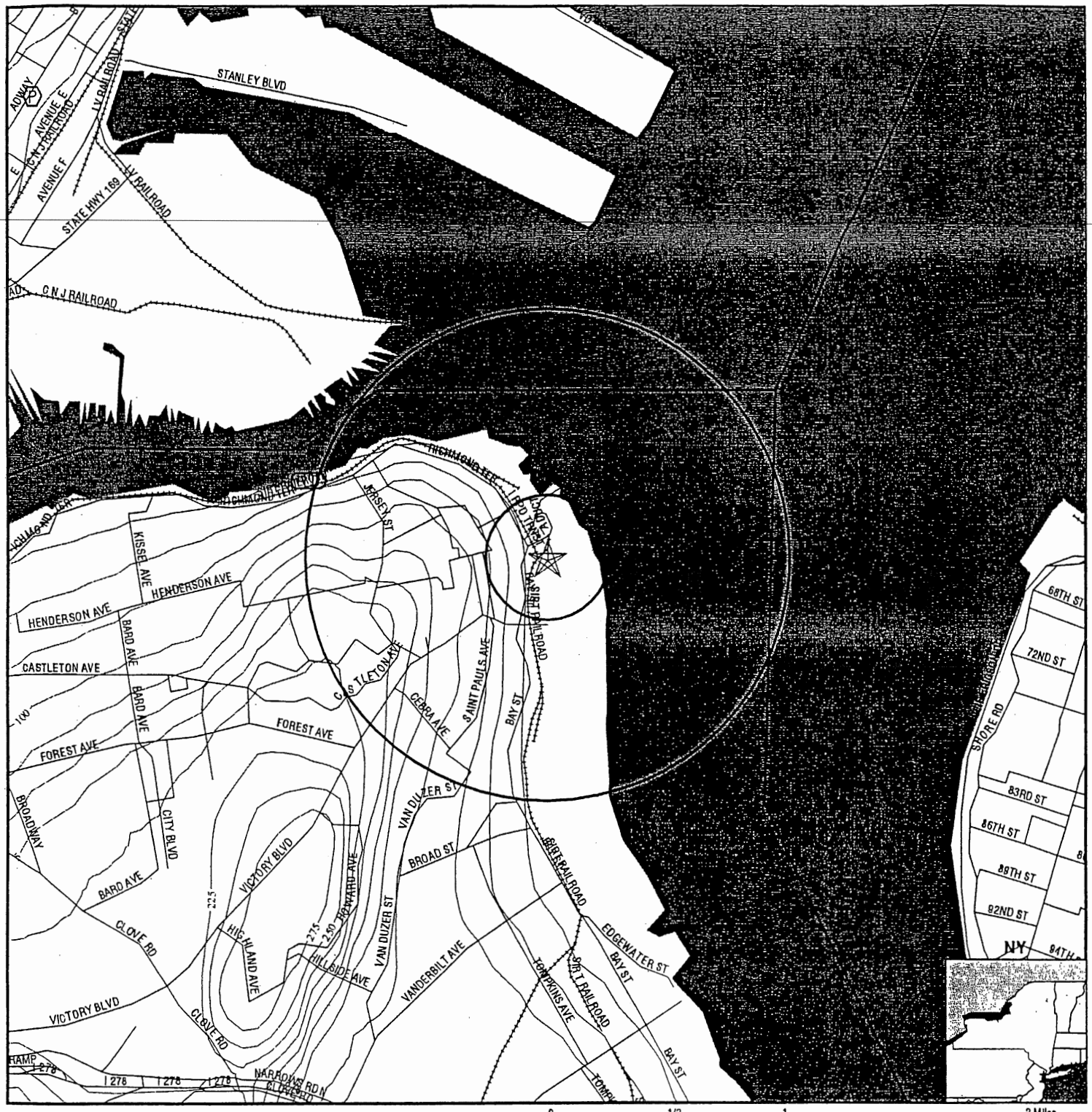
A review of the RCRIS-LQG list, as provided by EDR, and dated 04/26/1999 has revealed that there are 2 RCRIS-LQG sites within approximately 0.25 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NYSDOT ST GEORGE FERRY TERMINA	*1 RICHMOND TER*	*0 - 1/8 WNW*	*A6*	*14*
MTA NYCT - ST GEORGE SUBSTATIO	*5 RICHMOND TER*	*0 - 1/8 WNW*	*A7*	*14*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
NYSDOT CONTRACT D253757	RCRIS-SQG, FINDS, RCRIS-TSD
R.BAKER & SON MACHINERY DISMANTLER	SHWS
HANCOCK ST	LUST
3245 RICHMOND TERR	LUST, NY Spills
RICHMOND RD.& TODT HILL R	LUST
3846 RICHMOND AVENUE	LUST
1435	LUST
ARTHUR KILL STATION 4401	LUST, NY Spills
500 WESTERN AVE.	LUST, NY Spills



0 1/2 1 2 Miles

- Major Roads
- Contour Lines
- Waterways
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well

(HD) Closest Hydrogeological Data

TARGET PROPERTY:	St. George Coast Guard Base	CUSTOMER:	Sandstone Environmental Assoc.
ADDRESS:	Bay Street/Borough Place	CONTACT:	Nancy Neuman
CITY/STATE/ZIP:	Staten Island NY 10301	INQUIRY #:	397531.1s
LAT/LONG:	40.6415 / 74.0742	DATE:	August 03, 1999 3:11 pm

GEOCHECK VERSION 2.1
SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North):	40.641460 - 40˚ 38' 29.3"
Longitude (West):	74.074226 - 74˚ 4' 27.2"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	578281.7
UTM Y (Meters):	4499157.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2440074-F1 JERSEY CITY, NJ NY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	uM
Era:	Paleozoic
System:	Permian
Series:	Ultramafic rocks

ROCK STRATIGRAPHIC UNIT†

Category:	Plutonic and Intrusive Rocks

GROUNDWATER FLOW 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, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™** Search Radius: 2.000 Miles

MAP ID	DISTANCE FROM TP	DIRECTION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported			

General Topographic Gradient at Target Property: General East
General Hydrogeologic Gradient at Target Property: No hydrogeologic data available.
Site-Specific Hydrogeological Data*:

Search Radius:	2.0 miles
Location Relative to TP:	1 - 2 Miles WNW
Site Name:	Standard T Chemical
Site EPA ID Number:	NYD001601327
Surficial Aquifer Flow Dir.:	TOWARD THE ARTHUR KILL, WITH PROBABLE CONNECTIONS BETWEEN THE AQUIFER AND THE ARTHUR KILL.
Inferred Depth to Water:	less than 10 feet.
Hydraulic Connection:	The near surface unconsolidated sediments are hydraulically connected to the underlying sand and clay Newark Basin members. The depth to bedrock is estimated to be between 50 feet and 100 feet.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
NO WELLS FOUND			

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.
† 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).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78, September 1990.
** EDR AQUIFLOW™ Information System of hydrogeologically determined groundwater flow directions at specific locations. See the date pages at the end of this report for a complete description.

GEOCHECK VERSION 2.1
SUMMARY

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP
NO WELLS FOUND	

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.
NOTE: PWS System location is not always the same as well location.

PWS Name: CAMP LEWIS
41 EAST 25TH ST
BAYONNE, NJ 07002
Location Relative to TP: >2 Miles West
PWS currently has or has had major violation(s) or enforcement: No

AREA RADON INFORMATION

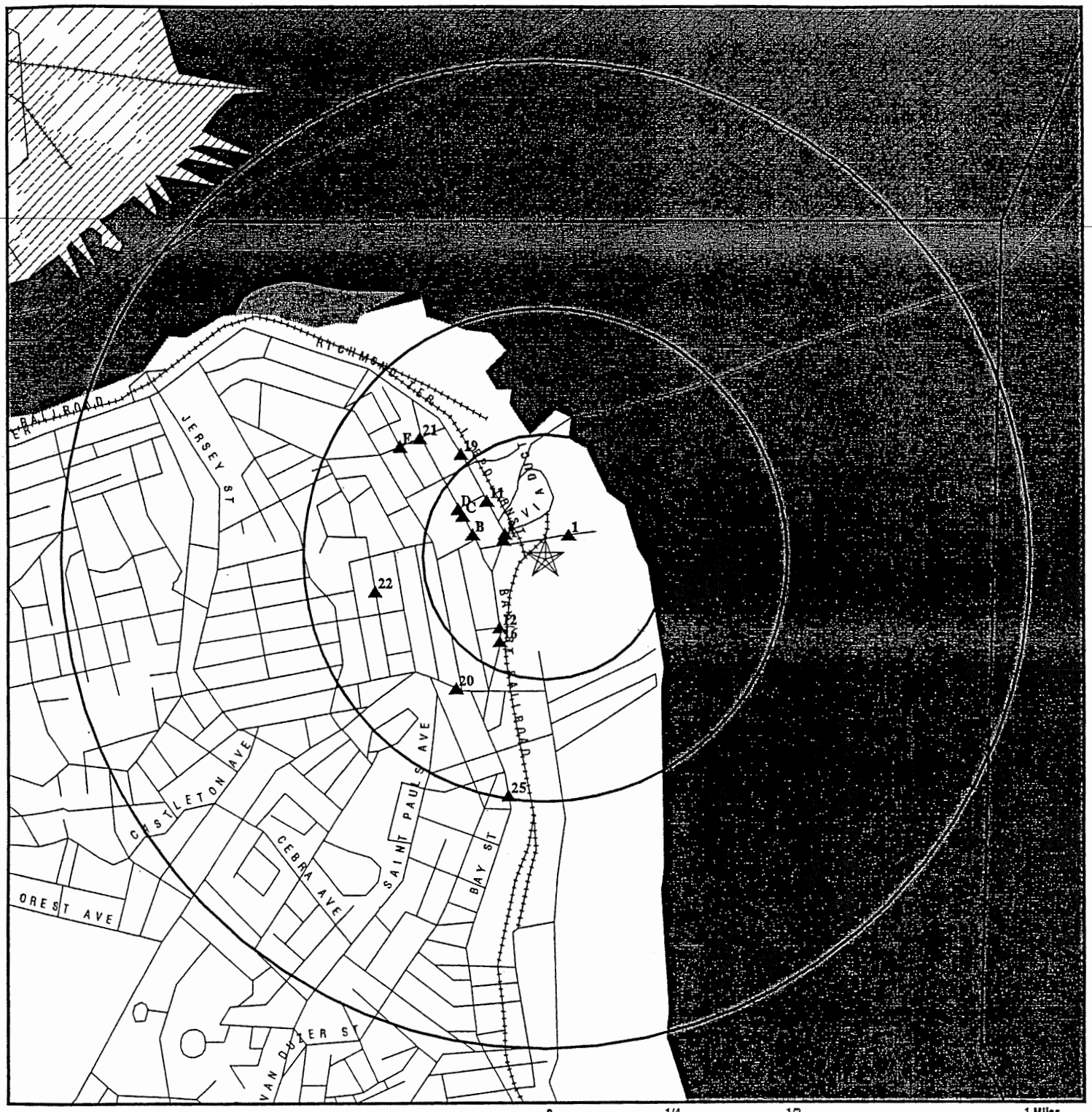
EPA Radon Zone for RICHMOND County: 3

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.

RICHMOND COUNTY, NY

Number of sites tested: 61

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	98%	2%	0%
Basement	1.250 pCi/L	84%	15%	2%



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

National Priority List Sites

Landfill Sites

Power transmission lines

Oil & Gas pipelines

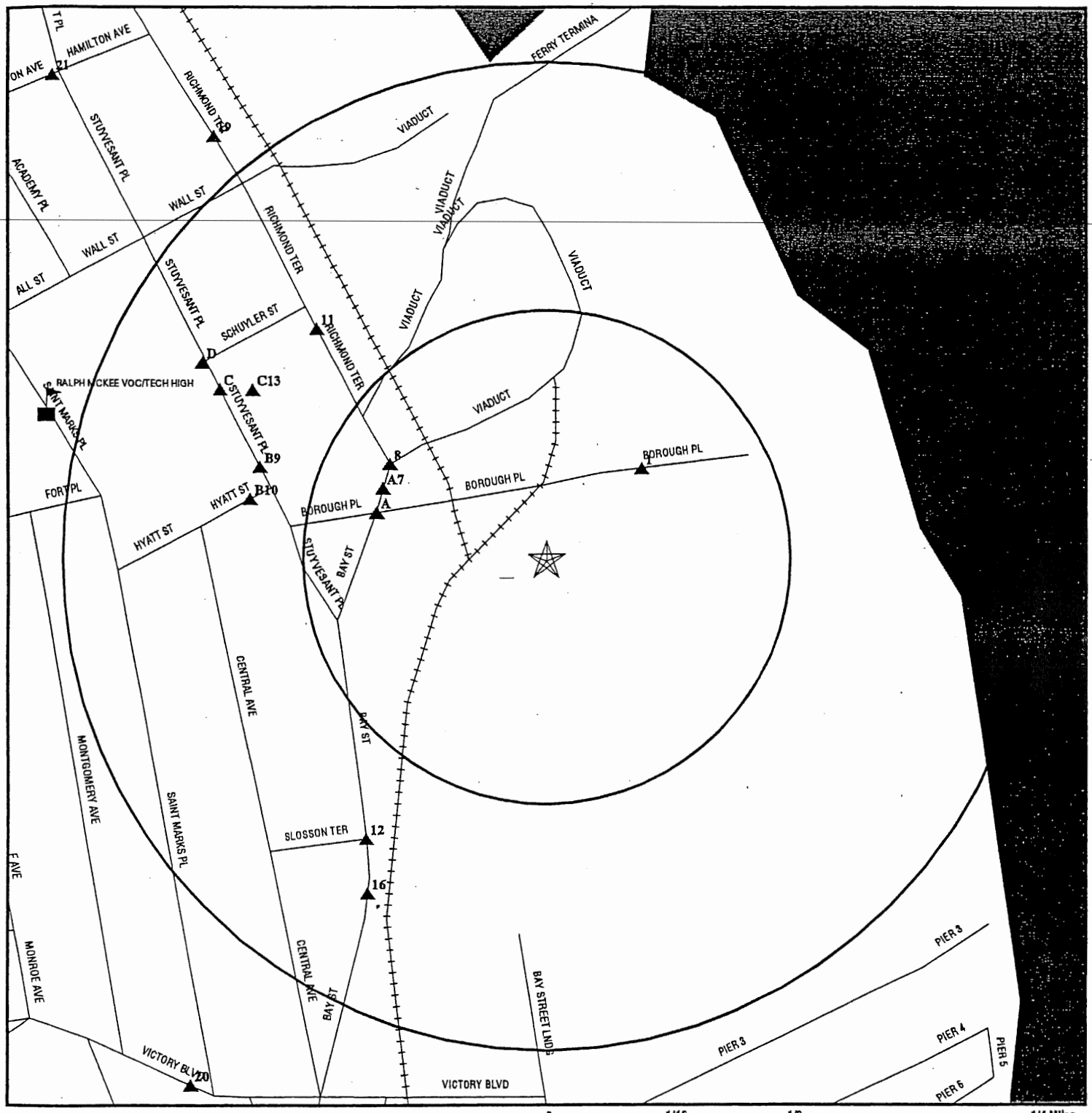
100-year flood zone

500-year flood zone

Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	St. George Coast Guard Base	CUSTOMER:	Sandstone Environmental Assoc.
ADDRESS:	Bay Street/Borough Place	CONTACT:	Nancy Neuman
CITY/STATE/ZIP:	Staten Island NY 10301	INQUIRY #:	397531.1s
LAT/LONG:	40.6415 / 74.0742	DATE:	August 03, 1999 3:07 pm

DETAIL MAP - 397531.1S - Sandstone Environmental Assoc.



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

Sensitive Receptors

National Priority List Sites

Landfill Sites

Power transmission lines

Oil & Gas pipelines

TARGET PROPERTY:	St. George Coast Guard Base	CUSTOMER:	Sandstone Environmental Assoc.
ADDRESS:	Bay Street/Borough Place	CONTACT:	Nancy Neuman
CITY/STATE/ZIP:	Staten Island NY 10301	INQUIRY #:	397531.1s
LAT/LONG:	40.6415 / 74.0742	DATE:	August 03, 1999 3:10 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	3	4	7	NR	NR	14
UST		0.250	1	6	NR	NR	NR	7
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	2	NR	NR	NR	4
RCRIS Lg. Quan. Gen.		0.250	2	0	NR	NR	NR	2
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NY Spills		TP	NR	NR	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
HSWDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0
MINES		0.250	0	0	NR	NR	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	3	4	7	NR	NR	14
UST		0.250	1	6	NR	NR	NR	7
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	2	NR	NR	NR	4
RCRIS Lg. Quan. Gen.		0.250	2	0	NR	NR	NR	2
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NY Spills		TP	NR	NR	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
HSWDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0
MINES		0.250	0	0	NR	NR	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

---

1 NE < 1/8 352 Higher — **BARUCH, 70 BARUCH PLACE, NEW YORK CITY, NY** — **LUST** — **S102671434, N/A**

LUST:

Spill Number:	8906583	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	SACCACIO	SWIS:	62
Caller Name:	MR. DIGENOVA	Caller Agency:	NYC HOUSING AUTH
Caller Phone:	(212) 306-3138	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(212) 306-3229
Spiller:	NYC HOUSING AUTHORITY		
Spiller Address:	Not reported		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	Not reported		
Spill Cause:	Tank Overfill	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Spill Notifier:	Responsible Party	PBS Number:	2-475459
Spill Date:	08/14/1989 12:00	Reported to Dept:	10/04/1989 14:50
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	False		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	08/16/1995		
Is Updated:	False		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	12/07/1989		
Date Region Sent Summary to Central Office:	Not reported		
DEC Remarks:	Not reported		
Spill Cause:	OIL SEEPING THRU BOILER ROOM WALL, CLEAN UP IN PROGRESS.		

A2 WNW < 1/8 478 Higher — **ST GEORGE FERRY TERMINAL, BAY STREET / RICHMOND TERRACE, STATEN ISLAND, NY 10310** — **UST** — **U001837465, N/A**

PBS UST:

PBS Number:	2-400777		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 447-4357
Operator:	DIR OF FERRY OPER.		
Emergency Contact:	H PERAHIA, DIR, (212) 806-6927		
Total Tanks:	0		
Owner:	BTO-DOT-CITY OF NEW YORK BATTERY MARITIME BLDG NEW YORK, NY 10004 (212) 806-6927		

ST GEORGE FERRY TERMINAL (Continued) **U001837465**

Owner Type:	Local Government	Owner Mark:	First Owner
Owner Subtype:	The City of New York		
Mailing Address:	NYC-DOT-BUREAU OF TRANSIT OPERATIONS BATTERY MARITIME BLDG, ROOM 202 WHITEHALL & SOUTH STREETS NEW YORK, NY 10004 (212) 806-6927 ATTN: HENRY D PERAHIA, P.E.		
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Capacity (gals):	15000		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	12/52
Product Stored:	NOS 5 OR 6 FUEL OIL	Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	FIBERGLASS		
Tank Status:	Closed-Removed		
Tank Error Status:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	Not reported		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	05/92	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	/ /
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/06/87
Old PBS Number:	Not reported	Expiration Date:	10/06/92
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	UTILITY		
PBS Number:	2-400777		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 447-4357
Operator:	DIR OF FERRY OPER.		
Emergency Contact:	H PERAHIA, DIR, (212) 806-6927		
Total Tanks:	0		
Owner:	BTO-DOT-CITY OF NEW YORK BATTERY MARITIME BLDG NEW YORK, NY 10004 (212) 806-6927		
Owner Type:	Local Government	Owner Mark:	First Owner
Owner Subtype:	The City of New York		
Mailing Address:	NYC-DOT-BUREAU OF TRANSIT OPERATIONS BATTERY MARITIME BLDG, ROOM 202 WHITEHALL & SOUTH STREETS NEW YORK, NY 10004 (212) 806-6927 ATTN: HENRY D PERAHIA, P.E.		

ST GEORGE FERRY TERMINAL (Continued) **U001837465**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Capacity (gals):	15000		
Tank Location:	UNDERGROUND		
Tank ID:	002	Install Date:	12/52
Product Stored:	NOS 5 OR 6 FUEL OIL	Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	FIBERGLASS		
Tank Status:	Closed-Removed		
Tank Error Status:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	Not reported		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	05/92	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	/ /
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/06/87
Old PBS Number:	Not reported	Expiration Date:	10/06/92
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	UTILITY		

A3 WNW < 1/8 478 Higher **RICHMOND TERR.& BAY ST/SI** **LUST** **S102671229**
RICHMOND TERRACE / BAY ST **N/A**
NEW YORK CITY, NY

LUST:

Spill Number:	8708306	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	AUSTIN	SWIS:	64
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	STATEN ISLAND BORO HALL		
Spiller Address:	RICHMOND TERRACE/BAY ST STATEN ISLAND, NY		
Spill Class:	Not reported		
Spill Closed Dt:	12/26/1987		
Spill Cause:	Tank Overfill	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Spill Notifier:	Fire Department	PBS Number:	Not reported
Spill Date:	12/26/1987 22:03	Reported to Dept:	12/26/1987 22:57
Cleanup Ceased:	12/26/1987		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		

RICHMOND TERR.& BAY ST/SI (Continued) **S102671229**

Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 03/13/1989
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 01/25/1988
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: FIRE DEPT APPLYING SPEEDY-DRY, CALLED FIRE DEPT, NO OIL IN SEWERS, CLE ANUP BEING HANDLED BY FIRE DEPT, NO RESPONSE REQUIRED BY DEC.

A4 WNW < 1/8 478 Higher | **STATEN ISLAND FERRY TERMI** | **LUST** | **S102234423**
1 RICHMOND TER | **NY Spills** | **N/A**
STATEN ISLAND, NY

LUST:

Spill Number:	9511154	Region of Spill:	2
Facility Contact:	CHARLES NOTO	Facility Tele:	(718) 390-5255
Investigator:	MARTINKAT	SWIS:	64
Caller Name:	PETTY OFFICER RHODES	Caller Agency:	US COAST GUARD
Caller Phone:	(212) 668-7920	Caller Extension:	Not reported
Notifier Name:	CHARLES NOTO	Notifier Agency:	NYC DEPARTMENT OF TRANSPO
Notifier Phone:	(718) 390-5255	Notifier Extension:	Not reported
Spiller Contact:	CHARLES NOTO	Spiller Phone:	(718) 390-5255

Spiller: STATEN ISLAND FERRY TERMI
Spiller Address: 1 RICHMOND TERRACE
STATEN ISLAND, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/05/1995

Spill Cause:	Tank Overfill	Resource Affected:	Surface Water
Water Affected:	NEW YORK HARBOUR	Spill Source:	Vessel
Spill Notifier:	Federal Government	PBS Number:	Not reported
Spill Date:	12/05/1995 13:15	Reported to Dept:	12/05/1995 14:15

Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 12/06/1995
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 12/05/1995
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL. 1 GALLON ONTO DECK OF SHIP, 1 GALLON INTO WATER. CONTRA CTOR ON SCENE CLEANING UP SPILL.

SPILLS:

Spill Number:	9701294	Region of Spill:	2
Facility Contact:	BILL KAIN	Facility Tele:	(718) 390-5366
Investigator:	TANG	SWIS:	64
Caller Name:	JOHN LINDBERG	Caller Agency:	US COAST GUARD

STATEN ISLAND FERRY TERMI (Continued) **S102234423**

Caller Phone: (212) 668-7920 Caller Extension: Not reported
Notifier Name: BILL KAIN Notifier Agency: STATEN ISLAND FERRY
Notifier Phone: (718) 390-5366 Notifier Extension: Not reported
Spiller Contact: BILL KAIN Spiller Phone: (718) 390-5366
Spiller: STATEN ISLAND FERRY
Spiller Address: 1 RICHMOND TERR
STATEN ISLAND, NY 10301
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/29/1997
Spill Cause: Human Error Resource Affected: On Land
Water Affected: Not reported Spill Source: Vessel
Spill Notifier: Federal Government PBS Number: Not reported
Spill Date: 04/29/1997 11:00 Reported to Dept: 04/29/1997 11:31
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 04/30/1997
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 04/29/1997
Date Region Sent Summary to Central Office: Not reported
Remark: CALLED USCG, CONFIRMED THAT NO RELEASE IN THE WATER. SPILL WAS CLEANED UP ON DECK.
DEC Remarks: FUEL OIL CAME OUT OF THE VENT WHILE FILLING THE FERRY - FUEL SPILLED ONT O THE FERRY'S DECK AND IT WAS CLEANED UP WITH ABSORBANTS

This is the most recent NY SPILLS record for this site.
The NY SPILLS database contains 1 additional record for this site.
Please contact your EDR Account Executive for more information.

A5 WNW < 1/8 478 Higher | **NYCDOT - ST GEORGE TERMINAL** | **RCRIS-SQG FINDS** | **1000872736 NYD987039542**

RICHMOND TER & BAY ST
STATEN ISLAND, NY 10301

RCRIS:
Owner: NYCDOT
(212) 788-1721
Contact: MARIO VOLPI
(718) 963-9213
Record Date: 08/19/1993
Classification: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)
D008	10400.00

NYCDOT - ST GEORGE TERMINAL (Continued) **1000872736**

Used Oil Recyc: No

Violation Status: Violation information exist

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	Generator-All Requirements	09/22/1998

A6 WNW < 1/8 478 Higher

NYSDOT ST GEORGE FERRY TERMINA
1 RICHMOND TER
STATEN ISLAND, NY 10301

FINDS **1000694277**
RCRIS-LQG **NYD987005816**

RCRIS:

Owner: NYCDOT
(718) 447-4357

Contact: ALBERT SMITH
(718) 447-4357

Record Date: 06/12/1992

Classification: Large Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

A7 WNW < 1/8 483 Higher

MTA NYCT - ST GEORGE SUBSTATION
5 RICHMOND TER
STATEN ISLAND, NY 10301

FINDS **1001224218**
RCRIS-LQG **NYR000054346**

RCRIS:

Owner: MTA NEW YORK CITY TRANSIT
(718) 243-4581

Contact: HOWARD MATZA
(718) 243-4581

Record Date: 05/01/1998

Classification: Large Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

---

8 WNW < 1/8 495 Higher

NYC - STATEN ISLAND BOROUGH HALL
10 RICHMOND TER
STATEN ISLAND, NY 10301

RCRIS-SQG **1001113439**
FINDS **NYR000024299**

NYC - STATEN ISLAND BOROUGH HALL (Continued) **1001113439**

RCRIS:

Owner: NYC OFFICE OF ENERGY CONSERVATION
(212) 669-8710

Contact: JOHN BLAKE
(914) 681-6384

Record Date: 05/21/1996

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

NY MANIFEST
Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

B9 WNW 1/8-1/4 817 Higher | **UNOCCUPIED**
152 STUYVESANT PL
STATEN ISLAND, NY 10312 | **UST** | **U002222991**
N/A

PBS UST:

PBS Number:	2-602203		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(908) 855-8830
Operator:	ROBERT ABRAMO		
Emergency Contact:	ROBERT ABRAMO, (908) 855-8830		
Total Tanks:	0		
Owner:	FIRST NATIONAL BANK % GRANITE MANAGEMENT CORP 135 MAIN STREET-SUITE 130 SAN FRANCISCO, CA 94105 (800) 362-9026		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	ECMS INC. 514 RAHWAY AVENUE WOODBRIDGE, NJ 07095 (908) 855-8830 ATTN: ROBERT ABRAMO		
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	09/72
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Tank Status:	Closed-Removed		
Tank Error Status:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	05/95	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing

UNOCCUPIED (Continued) **U002222991**

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	/ /
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	05/05/95
Old PBS Number:	Not reported	Expiration Date:	05/02/00
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

B10 West 1/8-1/4 821 Higher | **STATEN ISLAND SAVINGS BANK**
15 HYATT ST
STATEN ISLAND, NY 10301 | **UST** **U001835421**
LUST **N/A**

LUST:

Spill Number:	9804984	Region of Spill:	2
Facility Contact:	BROWN FUEL COMPANY	Facility Tele:	(718) 442-8800
Investigator:	SIGONA	SWIS:	62
Caller Name:	STEVEN MCGUIRE	Caller Agency:	IRA D CONKLIN
Caller Phone:	(914) 561-1512	Caller Extension:	Not reported
Notifier Name:	SAME	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	BROWN FUEL	Spiller Phone:	(718) 442-8800
Spiller:	STATEN ISLAND SAVING BANK		
Spiller Address:	15 HYATT STREET STATEN ISLAND, NY		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	Not reported		
Spill Cause:	Tank Test Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester	PBS Number:	2-280720
Spill Date:	07/21/1998 17:00	Reported to Dept:	07/21/1998 18:44
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	False		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	07/23/1998		
Is Updated:	False		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	07/21/1998		
Date Region Sent Summary to Central Office:	Not reported		
DEC Remarks:	Not reported		
Spill Cause:	.731 g/per hour loss leak rate.contact brown fuel they have in charge of the tank. pbs number 2-280720 tank will be pumped out.		

PBS UST:

PBS Number:	2-280720		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 447-4100
Operator:	STATEN ISLAND S.		
Emergency Contact:	BROWN FUEL, (718) 442-8800		

STATEN ISLAND SAVINGS BANK (Continued) **U001835421**

Total Tanks:	1		
Owner:	STATEN ISLAND SAVINGS BANK 15 BEACH ST STATEN ISLAND, NY 10304 (718) 447-7900		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	STATEN ISLAND SAVINGS BANK 15 BEACH ST STATEN ISLAND, NY 10304 (718) 447-7900 ATTN: MICHAEL J. BRENNAN		
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.		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	00/00
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Tank Status:	In Service		
Tank Error Status:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Not reported	Dispenser:	Gravity
Date Tested:	05/90	Next Test Date:	05/95
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	07/21/97
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	09/09/97
Old PBS Number:	Not reported	Expiration Date:	09/19/02
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		

---

11 NW 1/8-1/4 874 Higher **BENEDICT REALTY CO** **UST** **U000397658**
36 RICHMOND TER **N/A**
STATEN ISLAND, NY 10301

PBS UST:

PBS Number:	2-207721		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 494-6612
Operator:	BENEDICT REALTY CO		
Emergency Contact:	FRANK BENHAM, (718) 720-9278		
Total Tanks:	1		
Owner:	BENEDICT REALTY CO 45 WATCHOQUE RD STATEN ISLAND, NY 10314 (718) 494-6612		

BENEDICT REALTY CO (Continued) **U000397658**

Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	BENEDICT REALTY CO 45 WATCHOQUE RD STATEN ISLAND, NY 10314 (718) 494-6612 ATTN: ALDO GIOVANUCCI		
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.		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	00/00
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Tank Status:	In Service		
Tank Error Status:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Not reported	Dispenser:	Suction
Date Tested:	07/97	Next Test Date:	07/02
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	06/05/97
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/17/97
Old PBS Number:	Not reported	Expiration Date:	06/30/02
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

---

12 SSW 1/8-1/4 897 Higher

COLLEGE OF STATEN ISLAND
50 BAY ST
STATEN ISLAND, NY 10301

RCRIS-SQG **1000279954**
FINDS **NYD982537292**

RCRIS:

Owner:	CITY OF NEW YORK (212) 555-1212
Contact:	ERNEST BUSCH (718) 390-7994
Record Date:	04/21/1988
Classification:	Small Quantity Generator

COLLEGE OF STATEN ISLAND (Continued) **1000279954**

Used Oil Recyc: No

Violation Status: No violations found

C13 WNW 1/8-1/4 917 Higher | **COLLEGE OF STATEN ISLAND**
130 STUYVESENT PL
STATEN ISLAND, NY 10301 | **RCRIS-SQG FINDS** | **1001127918 NYR000035279**

RCRIS:

Owner: NYC DEPT OF GENERAL SERVICES
(212) 669-7904

Contact: JOHN SANTANA
(718) 391-1292

Record Date: 02/05/1997

Classification: Small Quantity Generator, Hazardous Waste Transporter

Used Oil Recyc: No

Violation Status: No violations found

C14 WNW 1/8-1/4 996 Higher | **STATEN ISLAND COLLEGE**
130 STUYVESANT PL
STATEN ISLAND, NY | **LUST** | **S102960131 N/A**

LUST:

Spill Number:	9205102	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	TIBBE	SWIS:	64
Caller Name:	M TUROFF	Caller Agency:	TRINITY PETROLEUM
Caller Phone:	(718) 257-8470	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(914) 365-0800
Spiller:	NYS DORMITORY AUTH		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	02/06/1998		
Spill Cause:	Tank Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	08/03/1992 15:15	Reported to Dept:	08/03/1992 16:38
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	False		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	02/06/1998		
Is Updated:	False		

STATEN ISLAND COLLEGE (Continued) **S102960131**

Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 08/10/1992
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: SEE FILE 90-07462. FOUND FILE AND REVIEWED REPORT ON 2\6\98. MINOR CON TAMINATION LEFT AFTER EXCAVATION.
Spill Cause: CONTAMINATED SOIL STOCKPILED, SAMPLED & DISPOSED.

C15 WNW 1/8-1/4 996 Higher **COLLEGE OF STATEN ISLAND** **UST** **U001837544**
130 STUYVESANT PL **LUST** **N/A**
STATEN ISLAND, NY 10301

LUST:

Spill Number:	9007462	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	BATTISTA	SWIS:	64
Caller Name:	FRANK HEMERLEIN	Caller Agency:	CORPRO CONSTRUCTION
Caller Phone:	(201) 214-2651	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(212) 356-0641
Spiller:	DORMITORY AUTH STATE OFNY		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	08/03/1992		
Spill Cause:	Tank Test Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	06/07/1990 12:00	Reported to Dept:	10/09/1990 08:59
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		

Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 02/06/1998
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 10/09/1990
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: REFER TO 92-05102. WAS A 15,000 GALLON TANK, NOT 1.5K TANK.
Spill Cause: 1.5K TANK, TANK TESTED IN JUNE FAILED RETEST ON 9/28/90,FAILED AGAIN, WI LL PUMP TANK.

PBS UST:

PBS Number:	2-403636		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 390-7615
Operator:	COLLEGE OF STATEN ISLAND		
Emergency Contact:	COLLEGE OF STATEN ISLAND, (718) 390-7814		
Total Tanks:	1		
Owner:	NYS DORMITORY AUTHORITY 11 W 42ND STREET NEW YORK, NY 10036 (212) 944-3621		

COLLEGE OF STATEN ISLAND (Continued) **U001837544**

Owner Type:	State Government	Owner Mark:	First Owner
Owner Subtype:	NYS Dormitory Authority		
Mailing Address:	NYS DORMITORY AUTHORITY 11 W 42ND STREET NEW YORK, NY 10036 (212) 944-3621 Not Reported		
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.		
Capacity (gals):	15000		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	07/65
Product Stored:	NOS 5 OR 6 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Tank Status:	Closed-Removed		
Tank Error Status:	Minor Data Missing		
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
Date Closed:	08/92	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	09/29/97
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/10/92
Old PBS Number:	Not reported	Expiration Date:	12/14/97
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
PBS Number:	2-403636		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 390-7615
Operator:	COLLEGE OF STATEN ISLAND		
Emergency Contact:	COLLEGE OF STATEN ISLAND, (718) 390-7814		
Total Tanks:	1		
Owner:	NYS DORMITORY AUTHORITY 11 W 42ND STREET NEW YORK, NY 10036 (212) 944-3621		
Owner Type:	State Government	Owner Mark:	First Owner
Owner Subtype:	NYS Dormitory Authority		
Mailing Address:	NYS DORMITORY AUTHORITY 11 W 42ND STREET NEW YORK, NY 10036 (212) 944-3621 Not Reported		
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.		
Capacity (gals):	12000		

COLLEGE OF STATEN ISLAND (Continued) **U001837544**

Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	09/92
Product Stored:	NOS 5 OR 6 FUEL OIL	Tank Type:	Fiberglass coated steel
Tank Internal:	RUBBER LINER	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING/SACRIFICIAL ANODE		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE/WRAPPED [PIPING]		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Product Level Gauge, Catch Basin	Dispenser:	Suction
Date Tested:	10/92	Next Test Date:	N.T.R
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	09/29/97
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/10/92
Old PBS Number:	Not reported	Expiration Date:	12/14/97
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		

---

16 SSW 1/8-1/4 1023 Higher **60 BAY ST**
60 BAY ST
STATEN ISLAND, NY 10301

UST **U001836885**
NY Spills **N/A**

SPILLS:

Spill Number:	9713889	Region of Spill:	2
Facility Contact:	STEVEN ROMERO	Facility Tele:	(212) 580-6763
Investigator:	O'CONNELL	SWIS:	64
Caller Name:	PETTY OFFICER ORTIZ	Caller Agency:	US COAST GUARD
Caller Phone:	(718) 354-4136	Caller Extension:	Not reported
Notifier Name:	STEVEN ROMERO	Notifier Agency:	CON ED
Notifier Phone:	(212) 580-6763	Notifier Extension:	Not reported
Spiller Contact:	STEVEN ROMERO	Spiller Phone:	(212) 580-6764
Spiller:	CON ED		
Spiller Address:	4 IRVING PLACE MANHATTAN, NY 10003		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	03/26/1998		
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Federal Government	PBS Number:	Not reported
Spill Date:	03/16/1998 10:14	Reported to Dept:	03/16/1998 11:58
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	False		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		

60 BAY ST (Continued) **U001836885**

UST Involvement: False
Spill Record Last Update: 03/26/1998
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 03/16/1998
Date Region Sent Summary to Central Office: Not reported
Remark: 3/16/98 - Con Ed (Glenn Newell) responded to site. Leak in transformer in vault. Direct sewer connection to plant - no catch basins affected.
DEC Remarks: TRANSFORMER LEAK CAUSED SPILL

PBS UST:

PBS Number:	2-322687		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 273-5354
Operator:	WAYNE LEFBERG		
Emergency Contact:	WILLIAM FIORE, (718) 761-8008		
Total Tanks:	1		
Owner:	ALLIED ST GEORGE CO 118-35 QUEENS BLVD FOREST HILLS, NY 11375 (718) 263-3800		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	ALLIED ST GEORGE CO 118-35 QUEENS BLVD FOREST HILLS, NY 11375 (718) 263-3800 ATTN: SHILLA J. PATEL		
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.		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND		
Tank ID:	001	Install Date:	11/70
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Tank Status:	In Service		
Tank Error Status:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	12/97	Next Test Date:	12/02
Date Closed:	Not reported	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	06/25/97
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/16/98
Old PBS Number:	Not reported	Expiration Date:	08/28/02
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
D17 / WNW / 1/8-1/4 / 1073 / Higher	**THE COLLEGE OF STATEN ISLAND / 120 STUYVESANT PL / STATEN ISLAND, NY 10307**	**UST**	**U001839314 / N/A**

PBS UST:

PBS Number:	2-340790		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 815-7488
Operator:	GERALD WERTZ		
Emergency Contact:	JEROME SOVELOVE, (718) 983-8800		
Total Tanks:	2		
Owner:	STUYVESANT BUSINESS CENTER, LLC. 260 CHRISTOPHER LANE STATEN ISLAND, NY 10314 (718) 983-8800		
Owner Type:	Corporate/Commercial	Owner Mark:	Second Owner
Owner Subtype:	Not reported		
Mailing Address:	LEE & AMTZIS 260 CHRISTOPHER LANE STATEN ISLAND, NY 10314 (718) 983-8800 ATTN: R. RANDY LEE, ESQ.		
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.		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank ID:	#1	Install Date:	00/00
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	NONE/NONE		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	01/91	Next Test Date:	01/96
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	Not reported	Renewal Date:	09/02/97
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	True	Certification Date:	/ /
Old PBS Number:	Not reported	Expiration Date:	03/31/04
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

PBS Number:	2-340790		
SPDES Number:	Not reported		
SWIS ID:	6401	Telephone:	(718) 815-7488
Operator:	GERALD WERTZ		
Emergency Contact:	JEROME SOVELOVE, (718) 983-8800		

THE COLLEGE OF STATEN ISLAND (Continued) **U001839314**

Total Tanks: 2
Owner: STUYVESANT BUSINESS CENTER, LLC.
260 CHRISTOPHER LANE
STATEN ISLAND, NY 10314
(718) 983-8800
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LEE & AMTZIS
260 CHRISTOPHER LANE
STATEN ISLAND, NY 10314
(718) 983-8800
ATTN: R. RANDY LEE, ESQ.
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.
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank ID: 002
Install Date: 00/00
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Internal: NONE
Pipe Location: Underground
Pipe Type: NONE
Tank External: NONE/NONE
Tank Status: In Service
Tank Error Status: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: Vent Whistle
Dispenser: Suction
Date Tested: 02/91
Next Test Date: 02/96
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Dead Letter: False
Owner Screen: No data missing
FAMT: Fiscal amount for registration fee is correct
Total Capacity: Not reported
Renewal Date: 09/02/97
Tank Screen: No data missing
Federal ID: Not reported
Renew Flag: Renwal has not been printed
Facility Screen: No data missing
Certification Flag: True
Certification Date: / /
Old PBS Number: Not reported
Expiration Date: 03/31/04
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER

D18 WNW 1/8-1/4 1073 Higher | **120 STAVESENT PL/S.I.**
120 STAVESENT PLACE
NEW YORK CITY, NY | **LUST** | **S100168216**
N/A

LUST:
Spill Number: 9011492
Region of Spill: 2
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: BATTISTA
SWIS: 64
Caller Name: GEORGE SCHEWEICH
Caller Agency: CNS ENVIRON SERV
Caller Phone: (718) 296-5747
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller Phone: (718) 390-7662
Spiller: STATEN ISLAND COLLEGE
Spiller Address: 120 STAVESENT PLACE

120 STAVESENT PL/S.I. (Continued) **S100168216**

STATEN ISLAND, NY

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: Not reported
Spill Cause: Tank Test Failure
Resource Affected: Groundwater
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Notifier: Tank Tester
PBS Number: Not reported
Spill Date: 01/31/1991 14:30
Reported to Dept: 01/31/1991 19:23
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 11/27/1992
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 02/08/1991
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: 6K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK,ROUTINE TEST,WILL EMPTY TANK,REPAIR & RETEST.

---

19 NW 1/4-1/2 1439 Higher

78 RICHMOND TERRACE
78 RICHMOND TER
STATEN ISLAND, NY

LUST **S102148835**
NY Spills **N/A**

LUST:
Spill Number: 9211419
Region of Spill: 2
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: CAMMISA
SWIS: 64
Caller Name: SCOTT ALANWICK
Caller Agency: I.I. C
Caller Phone: (718) 821-6900
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller Phone: (113) 78 -
Spiller: I.T.C. EMPLOYEE
Spiller Address: 5700 47TH ST
MASPETH N Y
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 01/06/1993
Spill Cause: Tank Overfill
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Responsible Party
PBS Number: Not reported
Spill Date: 01/05/1993 11:50
Reported to Dept: 01/05/1993 12:28
Cleanup Ceased: 01/06/1993
Last Inspection: Not reported
Cleanup Meets Standard: True
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: Not reported

78 RICHMOND TERRACE (Continued) **S102148835**

Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 01/07/1993
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: CONTAIMED ON PAVEMENT OF DRIVEWAY-N.Y.C SANITATION SCANDAL -

SPILLS:

Spill Number:	9409082	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	KRIMGOLD	SWIS:	64
Caller Name:	BRAD RUDEN	Caller Agency:	O'BRIEN & KREITZBERG
Caller Phone:	(718) 786-3838	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	NYCPD		
Spiller Address:	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	Not reported		
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spill Date:	10/07/1994 09:30	Reported to Dept:	10/07/1994 10:40
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		

Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 06/14/1995
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 11/02/1994
Date Region Sent Summary to Central Office: Not reported
Remark: 10/10/95: This is additional information about material spilled from th e translation of the old spill file: DIESEL?.
DEC Remarks: DISCOVERED IN EXCAVATION OF U/G TANK-HOLE FOUND IN REMOTE FILL LINE. S TOCK PILING SOIL.

---

20 SW 1/4-1/2 1710 Higher | **CON EDISON 44 VICTORY BLVD STATEN ISLAND, NY** | **LUST NY Spills** | **S102234622 N/A**

LUST:

Spill Number:	9601879	Region of Spill:	2
Facility Contact:	LISA PRIMEGGIA	Facility Tele:	(212) 580-6763
Investigator:	KATZ	SWIS:	64
Caller Name:	LISA PRIMEGGIA	Caller Agency:	CON ED
Caller Phone:	(212) 580-6763	Caller Extension:	Not reported
Notifier Name:	MR EDKINS	Notifier Agency:	CON ED
Notifier Phone:	(212) 580-6763	Notifier Extension:	Not reported
Spiller Contact:	LISA PRIMEGGIA	Spiller Phone:	(212) 560-6763
Spiller:	CON EDISON		

CON EDISON (Continued) **S102234622**

Spiller Address: 4 IRVING PLACE
NEW YORK, NY 10003
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/09/1996
Spill Cause: Tank Overfill
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Notifier: Responsible Party
PBS Number: Not reported
Spill Date: 05/07/1996 16:41
Reported to Dept: 05/07/1996 17:03
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 05/24/1996
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 05/07/1996
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: while filling one of their trucks with diesel fuel tank was overfilled
causing spill onto black top-has been cleaned up

SPILLS:

Spill Number: 9605517
Region of Spill: 2
Facility Contact: JOHNNY BUTTERS
Facility Tele: (718) 390-6207
Investigator: O'CONNELL
SWIS: 64
Caller Name: TIM SOLICH
Caller Agency: CON ED
Caller Phone: (212) 580-6763
Caller Extension: Not reported
Notifier Name: JOHNNY BUTTERS
Notifier Agency: CON ED
Notifier Phone: (718) 390-6207
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: Not reported
Spill Cause: Unknown
Resource Affected: Groundwater
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Notifier: Affected Persons
PBS Number: Not reported
Spill Date: 07/30/1996 08:30
Reported to Dept: 07/30/1996 11:23
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 09/04/1996
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 07/30/1996
Date Region Sent Summary to Central Office: Not reported
Remarks: Not reported

CON EDISON (Continued) **S102234622**

DEC Remarks: A SHEEN OF OIL IS IN THE GROUNDWATER AT AN EXCAVATION SITE AT CON EDS EM PLOYEES PARKING LOT - THE HOLE IS 12X4 FEET AND THE OIL HAS FILLED THE H OLE

---

21 NW 1/4-1/2 1864 Higher — **37 HAMILTON AVE/BKLYN, 37 HAMILTON AVENUE, NEW YORK CITY, NY** — **LUST** — **S100168241 N/A**

LUST:

Spill Number:	9012122	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	SULLIVAN	SWIS:	61
Caller Name:	SCOTT SCHUCK	Caller Agency:	FENLEY & NICOL
Caller Phone:	(516) 586-4900	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(703) 849-5301
Spiller:	MOBIL		
Spiller Address:	Not reported		
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	08/02/1993		
Spill Cause:	Tank Test Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Gas Station
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Spill Date:	02/20/1991 17:00	Reported to Dept:	02/21/1991 08:12
Cleanup Ceased:	08/02/1993		
Last Inspection:	Not reported		

Cleanup Meets Standard: True
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: True
Spill Record Last Update: 08/02/1993
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 03/01/1991
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: 08/02/93: CROSS REFERENCE TO ACTIVE SPILL NUMBER 8905095.
Spill Cause: (1) TANK & (2) TANK SYSTEMS WERE TESTED & FAILED, 2K TANK FAILED,2K & 4K TANK MANIFOLDED SYSTEM FAILED & (2) 4K TANKS MANIFOLDED FAILED, NYCFD ON SCENE, NO ACTION YET.

---

22 West 1/4-1/2 1882 Higher — **157 DANIEL LOW TER, STATEN ISLAND, NY** — **LUST** — **S103238455 N/A**

LUST:

Spill Number:	9803245	Region of Spill:	2
Facility Contact:	MR WAYLAND	Facility Tele:	(718) 967-3668
Investigator:	MULQUEEN	SWIS:	64
Caller Name:	Not reported	Caller Agency:	STATE ENVIROMENTAL SERV
Caller Phone:	(718) 265-3355	Caller Extension:	Not reported

(Continued) **S103238455**

Notifier Name: MIKE GIUSTINIANI
Notifier Agency: STATE ENVIRO
Notifier Phone: (718) 265-3355
Notifier Extension: Not reported
Spiller Contact: MR WAYLAND
Spiller Phone: (718) 967-3668
Spiller: Not reported
Spiller Address: 157 DANIEL LOU TERRACE
STATEN ISLAND
Spill Class: Not reported
Spill Closed Dt: Not reported
Spill Cause: Tank Test Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Notifier: Tank Tester
PBS Number: 2-245135
Spill Date: 06/12/1998 13:00
Reported to Dept: 06/12/1998 16:52
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 06/18/1998
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 06/12/1998
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: WILL RECOMMED TO OWNER TO DO A TANK ONLY TEST TO DETERMINE IF IT IS THE TANK OR LINES WHICH HAVE CAUSED THE PROBLEM.

E23 **60 HAMILTON AVE/BKLYN** **LUST** **S100167830**
NW **60 HAMILTON AVENUE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
1971
Higher

LUST:
Spill Number: 8912103
Region of Spill: 2
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: BATTISTA
SWIS: 61
Caller Name: SCOTT SCHUCK
Caller Agency: FENLEY & NICOL
Caller Phone: (516) 586-4900
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller Phone: (212) 983-1111
Spiller: TB & TA
Spiller Address: RANDALLS ISLAND
NEW YORK, N.Y.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/07/1992
Spill Cause: Tank Test Failure
Resource Affected: On Land
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Notifier: Tank Tester
PBS Number: Not reported
Spill Date: 03/21/1990 11:30
Reported to Dept: 03/21/1990 11:41
Cleanup Ceased: 10/07/1992
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported

60 HAMILTON AVE/BKLYN (Continued) **S100167830**

Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 02/15/1994
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 03/23/1990
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: Not reported
Spill Cause: (1) 550 GALLON FAILED PETRO TITE, 2ND TANK WAS A 5K TANK WHICH FAILED A HORNER EZY CHECK WITH A GROSS LEAK.

E24 NW 1/4-1/2 1971 Higher | **60 HAMILTON AVE/MELBROOK** | **LUST** | **S100167553**
60 HAMILTON AV | **N/A**
NYC, NY

LUST:

Spill Number:	8803005	Region of Spill:	2
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	BATTISTA	SWIS:	64
Caller Name:	SEBASTIAN LOREFICE	Caller Agency:	TANK TEST, INC
Caller Phone:	(718) 789-3770	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(718) 520-1240

Spiller: MELBROOK PROPERTIES
Spiller Address: 0
VICTOR IDDIS
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: Not reported

Spill Cause:	Tank Test Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester	PBS Number:	2-207152
Spill Date:	07/06/1988 14:00	Reported to Dept:	07/06/1988 15:56

Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Standard: False
Recommended Penalty: No Penalty
Spiller Cleanup Date: Not reported
Enforcement Date: Not reported
Investigation Complete: Not reported
UST Involvement: False
Spill Record Last Update: 11/27/1992
Is Updated: False
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: 07/07/1988
Date Region Sent Summary to Central Office: Not reported
DEC Remarks: / / : ---.
Spill Cause: 7.5K TANK SYSTEM - INITIAL TEST - WOULDN'T STABILIZE.

---

25 South 1/4-1/2 2604 Higher | **CONTAMINATED SOIL** | **LUST** | **S102555966**
260 BAY ST | **N/A**
STATEN ISLAND, NY

CONTAMINATED SOIL (Continued) **S102555966**

LUST:

Spill Number:	9700621	Region of Spill:	2
Facility Contact:	INACTIVE	Facility Tele:	Not reported
Investigator:	O'DOWD	SWIS:	64
Caller Name:	NURAIL SAGAR	Caller Agency:	TONE TANK AND PUMP
Caller Phone:	(718) 331-5003	Caller Extension:	Not reported
Notifier Name:	TANK REMOVAL	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	LEAKING TANKS		
Spiller Address:	Not reported		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	Not reported		
Spill Cause:	Tank Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Gas Station
Spill Notifier:	Local Agency	PBS Number:	Not reported
Spill Date:	04/14/1997 09:00	Reported to Dept:	04/14/1997 15:47
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	False		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	True		
Spill Record Last Update:	04/16/1997		
Is Updated:	False		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	04/14/1997		
Date Region Sent Summary to Central Office:	Not reported		
DEC Remarks:	Not reported		
Spill Cause:	INACTIVE GAS STATION- CONTAMINATED SOIL -BEEN REMOVED UNTIL GROUNDWATER WAS HIT-TESTING DONE RESULTS PENDING		

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
STATEN ISLAND	S102672153	HANCOCK ST	HANCOCK ST		LUST	9300622
STATEN ISLAND	S102239119	3245 RICHMOND TERR	RICHMOND TERR		LUST, NY Spills	9514627
STATEN ISLAND	S100167064	RICHMOND RD.& TODT HILL R	RICHMOND RD. TODT HILL RD		LUST	8702445
STATEN ISLAND	S101174532	3846 RICHMOND AVENUE	3846 RICHMOND AVENUE		LUST	9403849
STATEN ISLAND	S103038517	1435	RICHMOND TERR		LUST	9713526
STATEN ISLAND	1000553935	NYSDOT CONTRACT D253757	STATEN ISLAND EXPWY S SERV RD	10301	RCRIS-SQG, FINDS, RCRIS-TSD	
STATEN ISLAND	S102148353	ARTHUR KILL STATION 4401	VICTORY BLVD.		LUST, NY Spills	9010143
STATEN ISLAND	S100253760	R.BAKER & SON MACHINERY DISMANTLER	250 N WASHINGTON AVE	10301	SHWS	243008
STATEN ISLAND	S100494865	500 WESTERN AVE.	500 WESTERN AVE		LUST, NY Spills	9213712

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID:	NJ0901200	PWS Status:	Active	Distance from TP:	>2 Miles
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	West
PWS Name:	CAMP LEWIS 41 EAST 25TH ST BAYONNE, NJ 07002				

Addressee / Facility: Not Reported

Facility Latitude: 40 40 06 Facility Longitude: 074 06 52

City Served: Not Reported

Treatment Class: Untreated Population Served: 501 - 1,000 Persons

PWS currently has or has had major violation(s) or enforcement: No

EPA Waste Codes Addendum

Code	Description
D008	LEAD

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
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: 04/21/99
Date Made Active at EDR: 06/09/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/14/99
Elapsed ASTM days: 26
Date of Last EDR Contact: 05/14/99

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/98
Date Made Active at EDR: 01/18/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 01/13/99
Elapsed ASTM days: 5
Date of Last EDR Contact: 05/12/99

NPL: National Priority List
Source: EPA
Telephone: N/A
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).

Date of Government Version: 05/10/99
Date Made Active at EDR: 06/09/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/12/99
Elapsed ASTM days: 28
Date of Last EDR Contact: 05/12/99

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 04/26/99
Date Made Active at EDR: 06/09/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 05/14/99
Elapsed ASTM days: 26
Date of Last EDR Contact: 05/14/99

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/99
Date Made Active at EDR: 04/16/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 03/17/99
Elapsed ASTM days: 30
Date of Last EDR Contact: 06/21/99

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
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: 12/31/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 03/25/99
Date of Next Scheduled EDR Contact: 06/21/99

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
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: Varies
Database Release Frequency: Varies
Date of Last EDR Contact: Varies
Date of Next Scheduled EDR Contact: N/A

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
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: 04/01/99
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/16/99
Date of Next Scheduled EDR Contact: 07/12/99

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/98
Database Release Frequency: Annually
Date of Last EDR Contact: 03/24/99
Date of Next Scheduled EDR Contact: 07/26/99

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 12/08/98
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/13/99
Date of Next Scheduled EDR Contact: 07/12/99

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/28/98
Date of Next Scheduled EDR Contact: 08/23/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF NEW YORK ASTM RECORDS:

LUST: Spills Information Database

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
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: 09/22/97
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/27/99
Date of Next Scheduled EDR Contact: 08/16/99

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/14/99
Date of Next Scheduled EDR Contact: 09/13/99

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
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: 01/31/99
Database Release Frequency: Annually
Date of Last EDR Contact: 05/25/99
Date of Next Scheduled EDR Contact: 07/19/99

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
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: 12/31/97
Database Release Frequency: Annually
Date of Last EDR Contact: 05/07/99
Date of Next Scheduled EDR Contact: 06/28/99

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
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: 12/31/94
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 04/26/99
Date of Next Scheduled EDR Contact: 07/26/99

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/08/99
Date of Next Scheduled EDR Contact: 07/05/99

STATE OF NEW YORK NON-ASTM RECORDS:

AST: Petroleum Bulk Storage (AST)
Source: Department of Environmental Conservation
Telephone: 518-457-4351
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/99 — Date of Last EDR Contact: 05/03/99
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 08/02/99

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-457-4351
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: 04/01/99 — Date of Last EDR Contact: 05/03/99
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 08/02/99

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-457-4351
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/01/99 — Date of Last EDR Contact: 05/03/99
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 08/02/99

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-457-0639
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Diposal Sites and non-registry sites which U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

Date of Government Version: 09/01/97 — Date of Last EDR Contact: 06/02/99
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 09/06/99

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-457-2462
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: 04/01/99 — Date of Last EDR Contact: 05/03/99
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 08/02/99

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-457-7894
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 06/14/99 — Date of Last EDR Contact: 06/21/99
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 09/20/99

NEW YORK COUNTY RECORDS

CORTLAND COUNTY:

Cortland County UST Listing (AST)
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/15/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/99
Date of Next Scheduled EDR Contact: 09/06/99

Cortland County UST Listing (UST)
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/15/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/07/99
Date of Next Scheduled EDR Contact: 09/06/99

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 02/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/10/98
Date of Next Scheduled EDR Contact: 08/09/99

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 02/04/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/10/99
Date of Next Scheduled EDR Contact: 08/09/99

ROCKLAND COUNTY:

Petroleum Bulk Storage Database (AST)
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/26/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

Petroleum Bulk Storage Database (UST)
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/26/99
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/12/99
Date of Next Scheduled EDR Contact: 07/12/99

SUFFOLK COUNTY:

Underground Storage Tank Database (AST)
Source: Suffolk County Department of Health Services
Telephone: 516-854-2521

Date of Government Version: 03/01/98
Database Release Frequency: Annually

Date of Last EDR Contact: 06/07/98
Date of Next Scheduled EDR Contact: 09/06/99

Underground Storage Tank Database (UST)
Source: Suffolk County Department of Health Services
Telephone: 516-854-2521

Date of Government Version: 03/01/99
Database Release Frequency: Annually

Date of Last EDR Contact: 06/07/99
Date of Next Scheduled EDR Contact: 09/06/99

Historical and 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.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: NPL Deletions
Source: EPA
Telephone: N/A
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: 04/23/99
Date Made Active at EDR: 06/09/99
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/12/99
Elapsed ASTM days: 28
Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 04/21/99
Date Made Active at EDR: 06/09/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/14/99
Elapsed ASTM days: 26
Date of Last EDR Contact: 05/14/99

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
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: 202-260-2805
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

Area Radon Information: 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: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

Oil/Gas Pipelines/Electrical Transmission Lines: 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 and electrical transmission lines.

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.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

December 18, 2007

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Lighthouse Point, Staten Island, New York

Prepared for

TRIANGLE EQUITIES DEVELOPMENT COMPANY LLC

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

TRI63701Y.105/CV

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND/HYDROGEOLOGIC SETTING 3
- 2.1 Description of the Site and Site History 3
- 2.2 Hydrogeologic Setting 5

3.0 SCOPE OF WORK.....6
- 3.1 Site Inspection and Geophysical Survey.....6
- 3.2 Asbestos and Lead-Based Paint Survey and Sampling.....6
- 3.3 Soil Boring and Sampling.....7
- 3.4 Groundwater Sampling 8
- 3.5 Laboratory Analyses 8

4.0 PHASE II ESA RESULTS 10
- 4.1 Site Inspection and Geophysical Survey.....10
  - 4.1.1 Site Inspection.....10
  - 4.1.2 Geophysical Survey 10
- 4.2 Asbestos and Lead-Based Paint Survey and Sampling.....11
- 4.3 Soil Boring and Sampling/Groundwater Sampling 12
  - 4.3.1 Soil Quality 12
  - 4.3.2 Groundwater Quality 14

5.0 FINDINGS AND CONCLUSIONS 16

6.0 REFERENCES 19

TABLES

1. Summary of Volatile Organic Compounds Detected in Soil
2. Summary of Semivolatile Organic Compounds Detected in Soil
3. Summary of Metals Detected in Soil
4. Summary of Pesticides Detected in Soil
5. Summary of Volatile Organic Compounds Detected in Groundwater
6. Summary of Semivolatile Organic Compounds Detected in Groundwater
7. Summary of Metals Detected in Groundwater
8. Summary of Polychlorinated Biphenyls Detected in Groundwater
9. Summary of Pesticides Detected in Groundwater

FIGURES

1. Site Location Map
2. Site Layout and Boring Locations

TABLE OF CONTENTS

(Continued)

APPENDICES

A. Geophysical Survey Report
B. Soil Boring Geologic Logs
C. Lead and Asbestos Survey Report

PLATES

1. Soil Quality Results
2. Groundwater Quality Results

1.0 INTRODUCTION

At the request of Triangle Equities Development Company LLC (Triangle Equities), Roux Associates, Inc. (Roux Associates) performed a Phase II Environmental Site Assessment (Phase II ESA) at the property known as Lighthouse Point (hereinafter referred to as the "Site") in Staten Island, New York (Figure 1). The Site, designated as the western part of Block 1, Lot 60, is currently improved with four buildings and six contiguous underground vaults built into the hillside. The buildings and vaults have been vacant since 1982. Historic site uses are summarized in Section 2.1.

The purpose of the Phase II ESA is to evaluate the environmental quality of soil and groundwater beneath the Site. The Phase II ESA was performed based upon the information provided in a Phase I ESA conducted by Sandstone Environmental Associates, Inc. (SEA) as documented in the report titled, "Phase I Environmental Site Assessment," dated October 8, 1999 (SEA, 1988). In the Phase I ESA report, SEA did not identify any recognized environmental concerns (RECs), as defined by the American Society for Testing and Materials (ASTM), at the Site. An REC is defined as:

> *"The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater, or surface water on the property."*

However, the information provided in the Phase I ESA report allowed Roux Associates to identify potential environmental concerns not defined as RECs by ASTM at the Site, which may influence planned redevelopment construction costs if excavation is performed. These environmental concerns include the following:

- Potential for environmental impacts related to historic Site uses. The Phase I ESA indicates that historic uses of the Site included underground vaults used for the storage of volatile lighthouse fuels; a (lighthouse) fuel testing and utility building; and a lamp shop. Based on these historical uses, there is potential that soils and/or groundwater at the Site may have been impacted with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals. In addition, soils at the location of a greenhouse formerly located along a now abandoned private roadway between the administrative building and the existing United States Postal Service building may have been impacted with pesticides;

- Potential for heating oil underground storage tanks (USTs) to be present at the former location of two dwellings in the westernmost portion of the Site; and

- Potential presence at the Site of impacted (particularly with SVOCs and metals) historic/urban fill.

Although not required by the ASTM, a Phase II ESA was conducted to evaluate the above potential areas of concern. The Phase II ESA was completed in accordance with the Scope of Work/Cost Proposal dated May 17, 2007 (Proposal), prepared by Roux Associates and submitted to Triangle Equities.

This report provides the results of the Phase II ESA conducted at the Site by Roux Associates in July 2007. This report also incorporates the results of the lead-based paint (LBP) and asbestos-containing materials (ACM) surveys performed at the Site by Testwell Laboratories, Inc. (Testwell) in July 2007. The remainder of this report is organized into the following sections:

- Section 2.0: Site Background/Hydrogeologic Setting;
- Section 3.0: Scope of Work;
- Section 4.0: Phase II ESA Results; and
- Section 5.0: Summary and Conclusions.

2.0 SITE BACKGROUND/HYDROGEOLOGIC SETTING

This section contains a description of the Site and the surrounding area, including the hydrogeologic setting.

2.1 Description of the Site and Site History

The Site is located at the east side of Bay Street, just south of the Staten Island Ferry Terminal (Figure 1). Currently owned by the City of New York, the Site is approximately three acres in size and improved with four buildings and six underground vaults built into the hillside (Figure 2). The buildings and vaults have been vacant since 1982. The Site is essentially divided into an eastern region level at 10± feet (ft) above mean sea level (amsl) and an uphill western region that slopes towards Bay Street at 50± ft amsl. A retaining wall divides the eastern from the western region. A separate entrance to each of the six contiguous vaults is present at the north end of the retaining wall. The vaults extend westward to abut the Saint George Tunnel, a right-of-way of the Metropolitan Transportation Authority (MTA) Staten Island Railway that runs beneath the Site on a north-south axis.

Based upon a review of historical information, as described in the aforementioned Phase I ESA report, and other publicly available information[1], the Site was part of a larger quarantine facility (approximately 30 acres), or lazaretto, from circa 1799 to 1858, at which time the facility was burnt to the ground. The Revenue Cutter Service, the oldest armed maritime service in the United States, also used five of the 30 acres as a base until after the Civil War.

In 1862, the U.S. Lighthouse Board (later U.S. Lighthouse Service), chose the Site to be part of a "super depot" of the Third District U.S. Lighthouse Depot. From 1862 to 1939, this lighthouse depot was the headquarters of the U.S. Lighthouse Service, supplying other District Depots along the East Coast and serving as the central headquarters for technological research. The buildings currently onsite were constructed during this period. This includes Building 5 (constructed in 1917), Building 6 (constructed in 1864), Building 7 (constructed in three phases between 1868 and 1918), and Building 8 (constructed in 1868). The vaults were constructed in 1886. A short summary of building uses during this period of time follows:

[1] Information made publicly available by the National Lighthouse Museum, a not-for-profit Educational Foundation.

- *Building 5* - This is a one-story brick building located between Building 6 and the vaults, which was used as a laboratory by engineers at the lighthouse depot to test fuels and to experiment with lamp design. Contrary to the other remaining buildings (see below), Building 5 is not listed on the National Register of Historic Places or as a New York City Historic Landmark.

- *Building 6* - This four-story brick building is the oldest building at the lighthouse depot, built in 1864, and was used as a warehouse. Building 6 is listed on the National Register of Historic Places.

- *Building 7* - This building housed the offices of the Superintendent and Engineer of the Lighthouse Depot and their staffs. It originally consisted of only the center section. *Around* the turn of the century, the wings were added, as well as the space behind the building, filling in between the wings. Building 6 is listed on the National Register of Historic Places and is also a New York City Historic Landmark.

- *Building 8* – Similar to Building 6 in its exterior appearance, Building 8 was constructed as a lamp shop to assemble and repair lighthouse lenses. Building 8 is listed on the National Register of Historic Places.

- *The Vaults* –The vaults are built into the hillside behind Building 5 and served for storage purposes of volatile lighthouse fuels used for experimental purposes as an alternative to whale oil. The vaults are listed on the National Register of Historic Places.

The Coast Guard took over duties of the Lighthouse Service in 1939 and remained onsite until circa 1968. During the Coast Guard's occupancy, Building 5 was used as a utility building; Building 6 was used as barracks and galley; Building 7 was used as an administration building; Building 8 was used as an industrial supply warehouse; and the vaults were used to store oil and supplies. The Site was subsequently occupied by the New York Harbor Pilot's Association until 1982, when New York City purchased the Site, which has remained vacant to date. It is noted that two residential homes, two and three stories in height, were also present in the upland area north of the existing U.S.P.S. office. The buildings were constructed as early as 1917 and demolished between 1984 and 1991.

The immediate neighborhood, St. George, is the government center for the island with Borough Hall and the County Courthouse, Library, and a small business and office center across the street from the Site. A Post Office abuts the Site to the south, along Bay Street. The surrounding residential New York Landmark District contains many Victorian homes built in the mid to late nineteenth century. A recently constructed esplanade adjoins the Site to the east, together with

the New York City Department of Transportation Saint George ferry maintenance building. The Saint George ferry terminal and Saint George train station of the MTA Staten Island Railway adjoin the Site to the north. The esplanade and ferry terminal front the Upper New York Bay.

2.2 Hydrogeologic Setting

Publicly available information on the hydrogeology of the Borough of Staten Island is limited. However, the following statements can be made. Staten Island is underlain by consolidated rocks (bedrock) and unconsolidated deposits. The bedrock units are the Manhattan Schist, the Staten Island Serpentine, the Newark Supergroup and the Palisade Diabase. These rocks are directly overlain by unconsolidated deposits of the Upper Cretaceous Raritan Formation (in the southern region of Staten Island only, well away from the Site) or by upper Pleistocene deposits of Wisconsinan glacial drift, except in several bedrock-outcrop areas (Soren, 1988).

The Site is located in the vicinity of a geologic contact between the Staten Island Serpentine and the Manhattan Schist. When, in August 1905, it was found necessary to blast the rock under water at the new ferry slip at the St. George ferry terminal, mica schist containing garnet and unmistakably homologous with the Manhattan Schist was brought to the surface (Gratacap, 1909). The bedrock at the Site is overlain by ground moraine of Wisconsinan glacial drift. These unconsolidated deposits are mainly reddish-brown clayey till and consist of an unsorted mixture of clay, silt, sand, gravel, and sparse to abundant cobbles and boulders. Local bodies of stratified sand and gravel with significant amounts of disseminated clay and silt commonly occur within the ground moraine (Soren, 1988).

A review of topographic maps and the composite water table map of Staten Island (Soren, 1988) indicates that the inferred groundwater flow direction at the Site is likely to be easterly towards the Upper New York Bay. A comparison of the topographic maps and the composite water table map also indicates that under water-table conditions, depth to water at the Site decreases from approximately 25 feet below land surface (bls) at Bay Street to approximately eight feet bls at the esplanade level. However, groundwater in the ground moraine of the Site could also be found under confined conditions, where clay and silt beds overly the water-bearing zone.

3.0 SCOPE OF WORK

The following sections present the scope of work for the field activities conducted during the Phase II ESA including a Site inspection, geophysical survey, soil boring and groundwater sampling, and an asbestos and lead-based paint survey and sampling.

3.1 Site Inspection and Geophysical Survey

Prior to mobilization for fieldwork, Roux Associates performed a Site inspection to understand Site conditions, assess the locations of proposed boreholes, and inspect the existing buildings and their vicinity for evidence of former USTs (e.g., fill ports, vent pipes, manways, asphalt/concrete cuts, boiler rooms, storage tanks).

A geophysical survey was performed to evaluate the potential presence of any remnant heating oil storage tanks or other subsurface features that may be present beneath the Site, associated with the existing buildings and two former residential dwellings that fronted Bay Street. The geophysical survey consisted of an electromagnetic (EM) and ground penetrating radar (GPR) survey that was capable of identifying subsurface metallic and non-metallic features present beneath the Site. NAEVA Geophysics, Inc. (NAEVA) of Congers, New York conducted the geophysical survey under Roux Associates' supervision. A detailed description of the procedures followed to complete the geophysical survey is provided in the NAEVA report included as Appendix A.

3.2 Asbestos and Lead-Based Paint Survey and Sampling

At the request of Triangle Equities, Roux Associates also subcontracted a lead-based paint (LBP) and asbestos-containing materials (ACM) surveyor. The ACM and LBP survey of the existing buildings will serve as a basis for an abatement cost estimate (to be prepared by others) prior to renovation of these buildings and is only summarized briefly herein (Section 4.2). The ACM and LBP survey was conducted on July 2 and 3, 2007. Since access to Building 5 and five of the six vaults was not gained during that time, the survey was completed on July 19, 2007, once access was made possible.

3.3 Soil Boring and Sampling

On July 5, 6 and 9, 2007, seven soil borings (SB-1, and SB- 3 through SB-8) were completed at the locations shown in Figure 2 to evaluate soil-quality conditions at the Site. The Proposal also indicated that soil and groundwater samples were to be collected at soil boring location SB-2. However, proposed soil boring SB-2 (Figure 2) could not be completed after multiple attempts due to drilling refusal at approximately 15 ft bls. Also, based on field observations, the soil boring initially proposed between Building 5 and the vaults was consolidated with SB-7 due to its proximity to SB-7 and since three boreholes (i.e., SB-6 through SB-8) were deemed to properly assess soil and groundwater quality conditions of Building 5 and the vaults.

The soil borings were completed using the Geoprobe® drilling utilizing direct-push technology by New York State licensed drilling contractor Aquifer Drilling and Testing, under Roux Associates' supervision. Soil samples were collected continuously from land surface to the water table. Each soil sample was examined for suspect physical characteristics (i.e., odor, sheen, staining) and was screened for organic vapors with a photoionization detector (PID). Physical characteristics and PID readings were recorded in a field log book and are noted in the soil boring logs (Appendix B).

Soil samples were also collected for laboratory analysis to evaluate soil-quality conditions at the Site. As specified in the Proposal, if no impacted soils were identified by visual inspection/PID screening, one soil sample was to be collected at each boring location from the two-foot interval located directly above the water table. As indicated by the geologic logs provided in Appendix B, no visual impacts or elevated PID concentrations were noted at the borings; consequently, one soil sample was collected above the water table from each boring. Additionally, one soil sample was collected from the 0-0.5-foot bls interval (shallow) and another from the 2-2.5-foot bls interval (subsurface) at soil boring location SB-3, the suspected location of the former greenhouse, to assess soil quality conditions from suspected historic pesticide applications. The collection of a soil sample from the shallow and subsurface section of the soil column allows for the appraisal of the vertical migration of pesticides, if any.

3.4 Groundwater Sampling

Groundwater samples were collected from within a few feet of the water table at all locations but SB-3 to evaluate groundwater quality conditions beneath the Site. As previously indicated, the groundwater flow direction beneath the Site is likely easterly towards the Upper New York Bay. Based upon this information, groundwater samples were collected at locations SB-1 and SB-4 through SB-8 to be representative of hydraulically upgradient and downgradient groundwater quality, respectively. All groundwater samples were collected from a temporary well that was installed within the soil boring and removed following collection of the groundwater sample.

The water was purged using a peristaltic pump and disposable tubing by a minimum amount equal to three inner tubing volumes. Using a peristaltic pump at a low flow rate, unfiltered groundwater samples were collected from each of the temporary monitoring wells. At borehole SB-1, however, due to a depth of groundwater of 37± feet bls, the peristaltic pump could not overcome the gravitational potential energy of the water column and a Geoprobe® Tubing Check-Valve system was used to collect a groundwater sample. No suspect physical characteristics associated with the groundwater were noted during the groundwater sampling collection activities.

All soil borings were backfilled with the drill cuttings generated during the drilling process and/or clean sand to pre-drilling conditions. All soil boring locations were measured relative to existing site features and located on a current site plan (Figure 2).

3.5 Laboratory Analyses

The soil and groundwater samples were stored on ice in a cooler at a temperature of 4º Celsius and transported under chain of custody procedures to Hampton-Clarke, Inc. – Veritech Laboratories (HC-V) in Fairfield, New Jersey. HC-V is a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory.

The soil samples were analyzed for VOCs by USEPA Method 8260, SVOCs, including polyaromatic hydrocarbons (PAHs) by USEPA Method 8270, Priority Pollutant (PP) Metals by USEPA Method 6010, and Pesticides by USEPA Method 8081 (at soil boring SB-3 only).

All groundwater samples were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270, and PP metals (Total and Dissolved) by USEPA Method 6010. Four of the groundwater samples (one upgradient with respect to anticipated groundwater flow [GW-1] and three downgradient with respect to anticipated groundwater flow [GW-4, GW-5 and GW-8]) were also analyzed for Polychlorinated Biphenyls (PCBs) and pesticides per USEPA Methods 8082 and 8081, respectively.

In addition to the above analyses, Roux Associates also collected additional sample volume to be held by the laboratory (prior to analysis) pending the results of the total lead in soil sample. These samples would be analyzed as a contingency measure if the metals result indicates that total lead is greater than 400 parts per million (ppm). If any total metals samples contained lead above 400 ppm, the associated additional metals sample would be analyzed for lead using the Toxicity Characteristic Leaching Procedure (TCLP). The TCLP methods are used to determine if soils meet the threshold for consideration as a Resource Conservation and Recovery Act (RCRA) characteristically hazardous waste is disposal was required during redevelopment.

4.0 PHASE II ESA RESULTS

Results of the Phase II ESA are summarized in the following sections.

4.1 Site Inspection and Geophysical Survey

The following is a summary of the Site inspection and geophysical survey. These tasks were performed prior to any intrusive field work in order to plan and coordinate the drilling efforts.

4.1.1 Site Inspection

On July 4 and 5, 2007, a Roux Associates representative inspected the areas along the wall exterior of the existing buildings, as well as all accessible basement space. This visual inspection revealed no evidence of former USTs (e.g., fill ports, vent pipes, manways, suspect asphalt/concrete cuts, storage tanks) or burner/furnace equipment within the basement space. It is noted that, according to a 1987 Existing Conditions Map prepared by the New York City Department of Transportation in anticipation of the construction of the adjoining ferry maintenance facility, steam heat was provided to the Site via a utility tunnel routed from a power house situated offsite, in the vicinity of the esplanade and south end of the ferry maintenance facility (SEA, 1988).

4.1.2 Geophysical Survey

Results of the geophysical survey conducted at the Site are provided in the NAEVA report included as Appendix A and are summarized below.

The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site. Several geophysical anomalies were detected beneath the Site that suggest the presence of diffuse metallic debris (i.e., randomly positioned metal fragments) at depths less than 2 ft bls at the former location of the two dwellings likely associated with construction and demolition (C&D) debris generated during the demolition of these buildings. Additionally, several geophysical anomalies were detected along portions of the exterior walls of the existing buildings. These anomalies are typical of patches of reinforced concrete (NAEVA, personal communication).

Two anomalies suggesting the presence of a larger continuous piece of metallic debris, one approximately seven feet in diameter and another described as being approximately 14 ft by 6 ft in size, were identified beneath the Site, in the vicinity of the northernmost of the two former dwellings, proximate to the existing wall along Bay Street (Appendix A). These anomalies appear to be continuous pieces of metal and GPR profiles collected over these anomalies showed strong reflections. However, the GPR profiles were not the hyperbolic reflections typically associated with underground storage tanks and were instead flat reflections in several directions. In addition, a physical inspection using a thin metal probe showed that the probe could be inserted over the anomaly to varying depths from approximately 1 ft bls to 2-3 ft bls (NAEVA, personal communication). It therefore seems more likely that a concentration of C&D debris is present at that location. Based on the foregoing, the geophysical survey results do not suggest the presence of storage tanks that would impede future excavation/construction activities planned for the Site, or when viewed in conjunction with soil and groundwater sample results represent potential sources of contamination.

4.2 Asbestos and Lead-Based Paint Survey and Sampling

Results of the ACM and LBP survey conducted at the Site for the existing buildings are provided in the Testwell report included as Appendix C and are summarized briefly in this Section.

ACM and LBP were pervasive throughout Buildings 5, 6, 7 and 8. The major source of ACM consisted of pipe insulation and pipe insulation debris on the floor (totaling 2,725 linear feet), together with floor tiling (including mastic and totaling 23,580 square feet). Six five-gallon pails with suspected roof cement ACM were also stored in the vaults with no additional ACM present. No LBP was identified in the vaults. The roof of Buildings 6, 7 and 8 was inaccessible for sampling due to the lack of access hatches and the structurally decrepit nature of the roof. Therefore, based on age, color, and appearance of the roofing material and based on the experience of the surveyor, roofing material was concluded to be built-up roofing (BUR) and assumed to be asbestos containing. Confirmatory sampling of the roofing materials should be performed during the proposed renovation phase of the project.

LBP was found predominantly on interior surfaces and within Buildings 5, 6, 7, and 8. Exterior LBP was found on the walls and windows of building 5 only.

4.3 Soil Boring and Sampling/Groundwater Sampling

Results of the soil boring and sampling task, including a description of site hydrogeology and groundwater quality conditions, are provided in the following sections.

4.3.1 Soil Quality

Subsurface soils consisted of reddish brown fine to medium sand, with variable amounts of gravel and silt. These unconsolidated deposits are consistent with the reddish-brown clayey till of the Wisconsinan glacial drift reported at the Site and environs (see Section 2.2). Soil boring geologic logs developed by Roux Associates are provided in Appendix B. None of the soil samples exhibited elevated PID readings or suspect physical characteristics (i.e., odor, sheen, staining).

Analytical data for VOCs, SVOCs, PP metals, and Pesticides (soil boring SB-3 only) for soil samples collected at the Site are provided in Tables 1 through 4, respectively, and are also summarized in Plate 1. The laboratory results for the soil analyses were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCOs). The applicable NYSDEC criteria for each of the analyzed constituents are also provided in Tables 1 through 4. Soil quality data exceeding the NYSDEC criteria are highlighted in bold in these tables, and are also discussed below.

<u>VOCs in Soil</u>

No VOCs were detected in the seven soil samples (Table 1), with the exception of acetone and methylene chloride (also found in the Method Blank), which are common laboratory analytical artifacts, a trace detection of carbon disulfide at 2.7 micrograms per kilogram (µg/kg), two trace detections of chloromethane at 2 µg/kg and 3 µg/kg, and four trace detections of toluene. The trace detections of toluene were identified in the eastern, lower part of the Site, hydraulically connected to, and in the suspected mixing zone of, the adjoining Upper New York Bay.

<u>SVOCs in Soil</u>

Only benzo(a)pyrene was detected in the soil samples from SB-1 and SB-5 at respective concentrations of 67 µg/kg and 62 µg/kg, in minor exceedance of its NYSDEC RSCO value of

61 µg/kg (Table 2). Minor detections of nine additional SVOCs were also reported well below NYSDEC RSCOs in one or both of these borings, which belong to a subgroup of SVOCs known as PAHs, including: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. In none of the soil samples did the total SVOC concentration exceed the NYSDEC RSCO of 500 parts per million total SVOCs.

PAHs are a group of over 100 different chemicals that are formed during the incomplete combustion of coal, oil and gas, garbage, or other organic substances like tobacco or even charbroiled meat. The soil samples were collected from the two-foot interval above the water table, in native soil. The ubiquitous presence of trace amounts of PAHs in urban stormwater runoff, groundwater, and seawater in and around urban areas being well documented; the detection of these compounds in the soil samples is consistent with the location of the Site in an urban area and does not necessarily represent if a continuing source of PAH is present onsite.

Metals in Soil

A summary of analytical data for RCRA metals detected in soils are provided in Table 3. Total metals detected in soils at the Site and the concentration ranges at which they were detected are as follows:

- arsenic (2.2 milligrams per kilogram [mg/kg] to 5.7 mg/kg);
- barium (26 mg/kg to 93 mg/kg);
- chromium (11 mg/kg to 52 mg/kg);
- copper (13 mg/kg to 100 mg/kg);
- lead (5.9 mg/kg to 330 mg/kg);
- mercury (0.35 mg/kg and 2.7 mg/kg);
- nickel (120 mg/kg to 650 mg/kg);
- selenium (2.1 mg/kg to 2.3 mg/kg); and
- zinc (21 mg/kg to 130 g/kg).

As indicated in Table 3, several metals were detected in the soil samples in concentrations above their respective RSCOs, including chromium, copper, mercury, nickel, selenium and zinc. The concentrations of these metals are consistent with the NYSDEC background concentration range for soils in the Eastern U.S. at all boring locations.

Pesticides in Soil

No pesticides were detected in shallow (i.e., 0-0.5 ft bls), subsurface (i.e., 2-2.5 ft bls) ,and deep (i.e., 12 to 14 ft bls, the two-foot interval above the water table) soil samples at soil boring SB-3, the suspected location of a former greenhouse (Table 4).

4.3.2 Groundwater Quality

Analytical data for VOCs and SVOCs for groundwater samples collected at the Site are provided in Tables 5 and 6, respectively, and are also summarized in Plate 2. The laboratory results for the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs). The applicable NYSDEC criteria for each of the analyzed constituents are also provided in Tables 5 and 6. Groundwater quality data exceeding the NYSDEC criteria are highlighted in bold in these tables and are also discussed below.

VOCs in Groundwater

A summary of analytical data for VOCs in groundwater is provided in Table 5. As indicated in Table 5, no VOCs were detected in groundwater samples collected at the Site, with the exception of trace amounts of methylene chloride, a common laboratory artifact, and a trace amount of the chlorinated solvent trichloroethene at a concentration of 1 µg/L in soil boring SB-7.

Trichloroethene is a solvent for cleaning metal parts and can be introduced by such use in the environment, but is also found in groundwater as a degradation daughter product of tetrachloroethene via reductive dechlorination. The lack of the parent VOC in the groundwater sample, the lack of chlorinated solvents in all remaining groundwater samples, the lack of trichloroethene in the associated soil sample, together with the low level detected in the groundwater sample, indicates that the potential source(s) of this compound is offsite; probably not in close proximity to the Site.

SVOCs in Groundwater

A summary of analytical data for SVOCs in groundwater is provided in Table 6. As indicated by Table 6, no SVOCs were detected in groundwater samples collected at the Site, with the exception of bis(2-ethylhexyl)phthalate, a common laboratory artifact, at a concentration of 3.7 µg/L in soil boring SB-1.

Metals in Groundwater

A summary of analytical data for metals in groundwater is provided in Table 7. Several metals were detected in the unfiltered groundwater samples in concentrations above their respective AWQSGVs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. These and additional metals detected below the NYSDEC AWQSGVs were consistent with the metals found at elevated concentrations in soil samples, an indication that the minerals suspended in the groundwater are the primary contributor of metals in the analyses. In fact, no or minor detections of metals were reported once filtered groundwater samples were analyzed and only nickel remained present at a concentration of 110 µg/L (down from 3,400 µg/L), slightly above the NYSDEC AWQSGV of 100 µg/L. The results indicate that the detections in the unfiltered samples are related to metals within, or adsorbed to, the lattice of fine suspended minerals, rather than being present as a dissolved phase.

PCBs in Groundwater

A summary of analytical data for PCBs in groundwater is provided in Table 8. As indicated by Table 8, no PCBs were detected in groundwater samples collected at the Site.

Pesticides in Groundwater

A summary of analytical data for pesticides in groundwater is provided in Table 9. As indicated by Table 9, no pesticides were detected in groundwater samples collected at the Site.

5.0 FINDINGS AND CONCLUSIONS

The findings and conclusions of the Phase II ESA are provided below.

- The visual inspection of the Site revealed no evidence of former heating oil tanks (e.g., fill ports, vent pipes, manways, suspect asphalt/concrete cuts, storage tanks) or burner/furnace equipment within the basement spaces. Steam heat was historically provided to the Site via a utility tunnel routed from a power house situated offsite, in the vicinity of the existing esplanade and south end of the ferry maintenance facility.

- The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site.

- A lead-based paint and asbestos-containing materials survey conducted at the Site revealed the pervasive presence of these materials in the existing building.

- No further investigation or remediation of soil and groundwater beneath the Site is warranted because of the following:

  – The unconsolidated deposits (soil) at the Site appear to be present under natural conditions and consistent with the reddish-brown clayey till of the Wisconsinan glacial drift reported in this region of Staten Island. No elevated PID readings or suspect physical characteristics (i.e., odor, sheen, staining) were noted for soil beneath the Site.

  – No VOCs were detected in soil and groundwater samples, with the exception of trace levels of common laboratory artifacts and only two VOCs, toluene and trichloroethene, also present at trace levels in some soil and groundwater samples, respectively.

    The trace detections of toluene and trichloroethene were identified in the eastern, lower part of the Site, hydraulically connected to, and in the suspected mixing zone of, the adjoining Upper New York Bay, a major navigation waterway. The detection of these compounds in the soil and groundwater samples is consistent with the location of the Site in an urban area and within the suspected mixing zone of a major commercial navigation water body.

    Although trichloroethene can be introduced directly into soil and groundwater or be the result of the reductive dechlorination of the parent VOC tetrachloroethene, the lack of the parent VOC in the groundwater sample, the lack of chlorinated solvents in all remaining groundwater samples, the lack of trichloroethene in the associated soil sample, together with the low level detected in the groundwater sample, indicates that the potential source(s) of this compound is offsite; probably not in close proximity to the Site.

- Although some SVOCs and metals levels in soil at the Site exceed NYSDEC RSCOs, these are not constituents of a release, are ubiquitous in urban environments (i.e., Staten Island, New York), and the metals concentrations are generally consistent with the NYSDEC background concentration range for soils in the Eastern U.S.

- No pesticides were detected in soil samples from a vertical profile at the suspected former location of a greenhouse.

- Several metals were detected in the unfiltered groundwater samples in concentrations above their respective AWQSGVs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. These and additional metals detected below the NYSDEC AWQSGVs were consistent with the metals found at elevated concentrations in soil samples, an indication that the minerals suspended in the groundwater are the primary contributor of metals in the analyses. In fact, no or minor detections of metals were reported once filtered groundwater samples were analyzed and only nickel remained present at a concentration of 110 µg/L (down from 3,400 µg/L), slightly above the NYSDEC AWQSGV of 100 µg/L. The results indicate that the detections in the unfiltered samples are related to metals within, or adsorbed to, the lattice of fine suspended minerals, rather than being present as a dissolved phase.

- No pesticides or PCBs were detected in groundwater samples collected from the Site.

Respectfully Submitted,

ROUX ASSOCIATES, INC.

Luc Derrendinger, Ph.D.
Project Geologist/
Project Manager

Sin Senh
Office Manager/
Principal Hydrogeologist

6.0 REFERENCES

Julian Soren, 1988. Geologic and Geohydrologic Reconnaissance of Staten Island, New York. U.S. Geological Survey Water Resources Investigations Report 87-4048. Prepared in Cooperation with the New York State Department of Environmental Conservation. Syosset, New York. 1988.

Louis Gratacap, 1909. Geology of the City of New York. American Museum of Natural History. Henry Holt & Co. 1909.

Sandstone Environmental Associates, Inc., 1999. Phase I Environmental Site Assessment – National Lighthouse Center and Museum, Staten Island, New York. October 8, 1999.

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
		Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
1,1,1-Trichloroethane	800		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2,2-Tetrachloroethane	600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2-Trichloroethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethane	200		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethene	400		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2,3-Trichloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2,4-Trimethylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,2-Dibromo-3-chloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dibromoethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichlorobenzene	7900		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloroethane	100		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3,5-Trimethylbenzene	3300		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,3-Dichlorobenzene	1600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3-Dichloropropane	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,4-Dichlorobenzene	8500		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,4-Dioxane	--		560 U	550 U	550 U	590 U	560 U	560 U	560 U
2-Butanone (MEK)	300		11 U	11 U	11 U	12 U	11 U	11 U	11 U
2-Chloroethyl vinyl ether	--		11 U	11 U	11 U	12 U	11 U	1100 U	1100 U
2-Hexanone	--		11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Isopropyltoluene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
4-Methyl-2-pentanone	1000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Acetone	200		67	44	40	44	38	42 J	29 J
Acrolein	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
Acrylonitrile	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Benzene	60		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Bromodichloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromoform	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromomethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon disulfide	2700		2.7 J	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon tetrachloride	600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chlorobenzene	1700		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroethane	1900		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroform	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	2 J	3 J
cis-1,2-Dichloroethene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
		Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
cis-1,3-Dichloropropene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Cyclohexane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dibromochloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dichlorodifluoromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Ethylbenzene	5500		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Freon 113	6000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Isopropylbenzene	2300		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
m+p-Xylene	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	11 U	11 U
Methyl Acetate	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylcyclohexane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylene chloride	100		22 B	14 B	15 B	17 B	27 B	22 B	21 B
MTBE	120		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
n-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
n-Propylbenzene	3700		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
o-Xylene	600		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
sec-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Styrene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
t-Butyl Alcohol	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
tert-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Tetrachloroethene	1400		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Toluene	1500		1.1 U	1.1 U	2	3.9	2.7	4.1 J	5.6 U
trans-1,2-Dichloroethene	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
trans-1,3-Dichloropropene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Trichloroethene	700		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Trichlorofluoromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Vinyl chloride	200		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

-- No NYSDEC RSCO available

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

ft bls - Feet below land surface

Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
1,2,4-Trichlorobenzene	3400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,2-Dichlorobenzene	7900		370 U	370 U	370 U	390 U	370 U	NA	NA
1,2-Diphenylhydrazine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,3-Dichlorobenzene	1600		370 U	370 U	370 U	390 U	370 U	NA	NA
1,4-Dichlorobenzene	8500		370 U	370 U	370 U	390 U	370 U	NA	NA
2,4,5-Trichlorophenol	100		370 U	370 U	370 U	390 U	NA	370 U	370 U
2,4,6-Trichlorophenol	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dichlorophenol	400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dimethylphenol	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dinitrophenol	200		940 U	920 U	920 U	980 U	940 U	940 U	940 U
2,4-Dinitrotoluene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,6-Dinitrotoluene	1000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chloronaphthalene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chlorophenol	800		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Methylnaphthalene	36400		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Methylphenol	100		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitroaniline	430		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitrophenol	330		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3,3'-Dichlorobenzidine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3-Nitroaniline	500		370 U	370 U	370 U	390 U	NA	370 U	370 U
4,6-Dinitro-2-methylphenol	--		940 U	920 U	920 U	980 U	940 U	940 U	940 U
4-Bromophenyl phenyl ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloro-3-methylphenol	240		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloroaniline	220		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Chlorophenyl phenyl ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Methylphenol	900		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitroaniline	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitrophenol	100		940 U	370 U	370 U	390 U	370 U	370 U	370 U
Acenaphthene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Acenaphthylene	41000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Aniline	100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Anthracene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzidine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzo[a]anthracene	224		90 J	370 U	370 U	73 J	370 U	370 U	370 U
Benzo[a]pyrene	61		**67 J**	370 U	370 U	**62 J**	370 U	370 U	370 U
Benzo[b]fluoranthene	220		81 J	370 U	370 U	75 J	370 U	370 U	370 U
Benzo[g,h,i]perylene	50000		82 J	370 U	370 U	41 J	370 U	370 U	370 U
Benzo[k]fluoranthene	220		47 J	370 U	370 U	39 J	370 U	370 U	370 U
Benzoic acid			370 U	920 U	920 U	980 U	940 U	940 U	940 U
Bis(2-chloroethoxy)methane	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-chloroethyl) ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
Bis(2-Chloroisopropyl) ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-ethylhexyl) phthalate	50000		680	370 U	370 U	390 U	370 U	370 U	370 U
Butylbenzyl phthalate	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Carbazole	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
Chrysene	400		93 J	370 U	370 U	69 J	370 U	370 U	370 U
Di-n-butyl phthalate	8100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Di-n-octyl phthalate	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dibenzo[a,h]anthracene	14.3		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dibenzofuran	6200		370 U	370 U	370 U	390 U	NA	370 U	370 U
Diethyl phthalate	7100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dimethyl phthalate	2000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Fluoranthene	50000		100 J	370 U	370 U	100 J	370 U	370 U	370 U
Fluorene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobenzene	410		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobutadiene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorocyclopentadiene	--		370 U	370 U	370 U	390 U	370 U	940 U	940 U
Hexachloroethane	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Indeno[1,2,3-cd]pyrene	3200		46 J	370 U	370 U	390 U	370 U	370 U	370 U
Isophorone	4400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodi-n-propylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodimethylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodiphenylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Naphthalene	13000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Nitrobenzene	200		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pentachlorophenol	1000		940 U	920 U	920 U	980 U	940 U	940 U	940 U
Phenanthrene	50000		110 J	370 U	370 U	44 J	370 U	370 U	370 U
Phenol	30		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pyrene	50000		190 J	370 U	370 U	120 J	370 U	370 U	370 U

Notes:
J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
-- No NYSDEC RSCO available
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
ft bls - Feet below land surface
Bold data indicates that parameter was detected above the NYSDEC RSCOs
NA - Not analyzed

Table 3. Summary of Metals Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs (mg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
Antimony	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	2.2 U	2.2 U
Arsenic	7.5		4.4	2.2	2.9	5.7	3	3.3	2.2 U
Barium	300		86	26	30	93	53	44	30
Beryllium	0.16		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Cadmium	1		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Chromium	10		**34**	**46**	**30**	**25**	**21**	**52**	**11**
Copper	25		**54**	**47**	**37**	**100**	**37**	25	13
Lead	500		130	5.5 U	5.9	330	29	5.6 U	5.6 U
Mercury	0.1		**2.7**	0.092 U	0.092 U	**0.35**	0.094 U	0.094 U	0.094 U
Nickel	13		**140**	**300**	**260**	**170**	**160**	**650**	**120**
Selenium	2		**2.3**	**2.1**	2 U	**2.3**	**2.2**	2 U	2 U
Silver	--		1.7 U	1.6 U	1.6 U	1.8 U	1.7 U	1.7 U	1.7 U
Thallium	--		1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U
Zinc	20		**110**	**30**	**21**	**130**	**43**	**32**	18

Notes:
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- No NYSDEC RSCO available
Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 4. Summary of Pesticides Detected in Soil, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-3 07/05/07 0-0.5	SB-3 07/05/07 12-14	SB-3 07/05/07 2-2.5
4,4'-DDD	2900		3 U	2.7 U	2.8 U
4,4'-DDE	2100		3 U	2.7 U	2.8 U
4,4'-DDT	2100		3 U	2.7 U	2.8 U
Aldrin	41		6 U	5.5 U	5.7 U
alpha-BHC	110		6 U	5.5 U	5.7 U
alpha-Chlordane	--		12U	11U	11U
beta-BHC	200		6U	5.5U	5.7U
delta-BHC	300		6 U	5.5 U	5.7 U
Dieldrin	44		6 U	5.5 U	5.7 U
Endosulfan I	900		6 U	5.5 U	5.7 U
Endosulfan II	900		6 U	5.5 U	5.7 U
Endosulfan sulfate	1000		6 U	5.5 U	5.7 U
Endrin	100		6 U	5.5 U	5.7 U
Endrin aldehyde	--		6 U	5.5 U	5.7 U
Endrin ketone	--		6 U	5.5 U	5.7 U
gamma-BHC (Lindane)	60		6 U	5.5 U	5.7 U
Heptachlor	100		6 U	5.5 U	5.7 U
Heptachlor epoxide	20		6 U	5.5 U	5.7 U
Methoxychlor	--		6 U	5.5 U	5.7 U
Toxaphene	1200		30 U	27 U	28 U

Notes:

U - Analyte was not detected at or above the reporting limit
Bold - Concentration exceeds NYSDEC RSCOs
NYSDEC - New York State Department of Environmental Conservation
RSCO - Recommended Soil Cleanup Objectives
µg/kg - micrograms per kilogram
-- - No NYSDEC RSCO available

Table 5. Summary of Volatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
1,1,1-Trichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	0.04		5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.6		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	1		5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichloropropane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	--		250 U	250 U	250 U	250 U	500 U	500 U
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl vinyl ether	--		5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	--		1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	--		5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		25 U	25 U	25 U	25 U	25 U	25 U
Acrolein	5		25 U	25 U	25 U	25 U	25 U	25 U
Acrylonitrile	5		5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50		5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--		5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5		5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5		5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7		5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	--		5 U	5 U	5 U	5 U	5 U	5 U

Table 5. Summary of Volatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
cis-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	--		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Freon 113	--		5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
m+p-Xylene	5		2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	--		5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5		**5.2**	5 U	3.7 J	5 U	5 U	4.7 J
MTBE	10		1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5		1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		5 U	5 U	5 U	5 U	5 U	5 U
t-Butyl Alcohol	--		25 U	25 U	25 U	25 U	25 U	25 U
tert-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	--		5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5		5 U	5 U	5 U	5 U	1 J	5 U
Trichlorofluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2		5 U	5 U	5 U	5 U	5 U	5 U

Notes:
NA - Not analyzed
J - Estimated value
U - Not Detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Exceeds NYSDEC AWQSGV
-- No NYSDEC RSCO available

Table 6. Summary of Semivolatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
1,2,4-Trichlorobenzene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
1,2-Diphenylhydrazine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
1,4-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
2,4,5-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	50		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	10		34 U	18 U	25 U	28 U	27 U	26 U
2,4-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Chloronaphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Chlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Methylnaphthalene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U
3-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4,6-Dinitro-2-methylphenol	--		34 U	18 U	25 U	28 U	27 U	26 U
4-Bromophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chloroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chlorophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Acenaphthene	20		14 U	7.1 U	10 U	11 U	11 U	10 U
Acenaphthylene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Aniline	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Anthracene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[a]anthracene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[a]pyrene	ND		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[b]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[g,h,i]perylene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[k]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzoic acid	--		34 U	18 U	25 U	28 U	27 U	26 U

Table 6. Summary of Semivolatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
Bis(2-chloroethoxy)methane	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-chloroethyl) ether	1		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-Chloroisopropyl) ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-ethylhexyl) phthalate	5		3.7 J	7.1 U	10 U	11 U	11 U	10 U
Butylbenzyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Carbazole	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Chrysene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Di-n-butyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Di-n-octyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Dibenzo[a,h]anthracene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Dibenzofuran	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Diethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Dimethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Fluoranthene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Fluorene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorobenzene	0.04		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorobutadiene	0.5		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachloroethane	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Indeno[1,2,3-cd]pyrene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Isophorone	50		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodi-n-propylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodimethylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodiphenylamine	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Naphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U
Nitrobenzene	0.4		14 U	7.1 U	10 U	11 U	11 U	10 U
Pentachlorophenol	1		34 U	18 U	25 U	28 U	27 U	26 U
Phenanthrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Phenol	1		14 U	7.1 U	10 U	11 U	11 U	10 U
Pyrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U

Notes:
NA - Not analyzed
J - Estimated value
U - Not Detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Exceeds NYSDEC AWQSGV
-- No NYSDEC RSCO available

Table 7. Summary of Metals Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-1 07/05/07 Unfiltered	GW-1 07/05/07 Filtered	GW-4 07/06/07 Unfiltered	GW-4 07/06/07 Filtered	GW-5 07/06/07 Unfiltered	GW-5 07/06/07 Filtered
Antimony	3		12 U	12 U	12 U	12 U	12 U	12 U
Arsenic	25		**32**	7.5 U	**41**	7.5 U	7.5 U	7.5 U
Barium	1000		**1300**	230	**1800**	180	290	170
Beryllium	3		4 U	4 U	**4.7**	4 U	4 U	4 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Chromium	50		**360**	50 U	**270**	50 U	50 U	50 U
Copper	200		**270**	50 U	**610**	50 U	58	50 U
Lead	25		**160**	4 U	**130**	4 U	**45**	4 U
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel	100		**2900**	98	**3400**	**110**	**160**	50 U
Selenium	10		40 U	40 U	40 U	40 U	40 U	40 U
Silver	50		20 U	20 U	20 U	20 U	20 U	20 U
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000		390	50 U	460	50 U	82	50 U

Notes:

U - Indicates that the compound was analyzed for but not detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Concentration exceeds NYSDEC AWQSGVs

Table 7. Summary of Metals Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-6 07/06/07 Unfiltered	GW-6 07/06/07 Filtered	GW-7 07/09/07 Unfiltered	GW-7 07/09/07 Filtered	GW-8 07/09/07 Unfiltered	GW-8 07/09/07 Filtered
Antimony	3		12 U	12 U	12 U	12 U	12 U	12 U
Arsenic	25		**61**	7.5 U	9.3	7.5 U	7.5 U	7.5 U
Barium	1000		940	57	290	76	140	80
Beryllium	3		**5.3**	4 U	4 U	4 U	4 U	4 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Chromium	50		**280**	50 U	**59**	50 U	50 U	50 U
Copper	200		**590**	50 U	72	50 U	50 U	50 U
Lead	25		**190**	4 U	21	4 U	6.8	4 U
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel	100		**1700**	50 U	**520**	50 U	97	50 U
Selenium	10		40 U	40 U	40 U	40 U	40 U	40 U
Silver	50		20 U	20 U	20 U	20 U	20 U	20 U
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000		600	50 U	130	50 U	50 U	50 U

Notes:

U - Indicates that the compound was analyzed for but not detect

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservatio

AWQSGVs - Ambient Water Quality Standards and Guidance Values

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 8. Summary of Polychlorinated Biphenyl Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07
Aroclor-1016			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1221			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1232			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1242			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1248			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1254			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1260			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1262			0.27 U	0.26 U	0.26 U	0.25 U
Total PCBs:	0.09		0	0	0	0

Notes:

NYSDEC AWQSGV for Total PCBs (sum of the Aroclors) is 0.09 µg/L

U - Compound was analyzed for but not detected

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water Quality Standards and Guidance Values

PCBs - Polychlorinated Biphenyls

Table 9. Summary of Pesticides Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07
4,4'-DDD	0.3		0.027 U	0.026 U	0.026 U	0.025 U
4,4'-DDE	0.2		0.027 U	0.026 U	0.026 U	0.025 U
4,4'-DDT	0.2		0.027 U	0.026 U	0.026 U	0.025 U
Aldrin	--		0.054 U	0.052 U	0.052 U	0.05 U
alpha-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
beta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
Chlordane	0.05		0.11 U	0.1 U	0.1 U	0.1 U
delta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
Dieldrin	0.004		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan I	--		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan II	--		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan sulfate	--		0.054 U	0.052 U	0.052 U	0.05 U
Endrin	--		0.054 U	0.052 U	0.052 U	0.05 U
Endrin aldehyde	5		0.054 U	0.052 U	0.052 U	0.05 U
Endrin ketone	--		0.054 U	0.052 U	0.052 U	0.05 U
gamma-BHC (Lindane)	--		0.054 U	0.052 U	0.052 U	0.05 U
Heptachlor epoxide	0.03		0.054 U	0.052 U	0.052 U	0.05 U
Heptachlor	0.04		0.054 U	0.052 U	0.052 U	0.05 U
Methoxychlor	35		0.054 U	0.052 U	0.052 U	0.05 U
Toxaphene	0.06		0.27 U	0.26 U	0.26 U	0.25 U

Notes:

U - Compound was analyzed for but not detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs

QUADRANGLE LOCATION

N

0 2000'

SOURCE:
USGS; 1995, Jersey City, NJ-NY
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

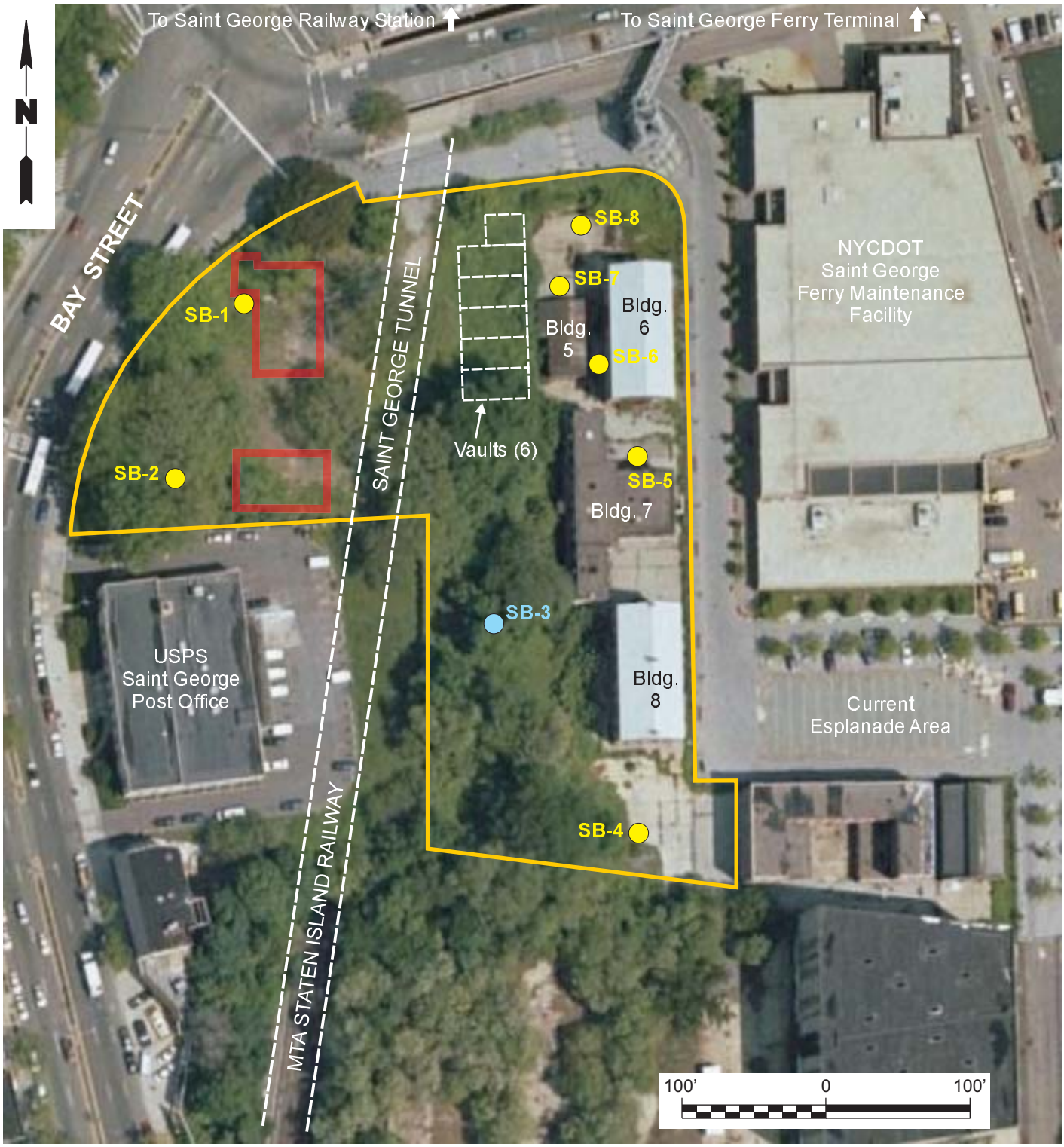
Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110503.CDR	Project No.: 163701Y	

\TRi1637Y\TRi01Y\100\TRi0110003.CDR



LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.
4. Soil boring SB-2 not completed. Drill refusal at 15 ft bls.

Title:

SITE LAYOUT AND BORING LOCATIONS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 13SEP07	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110501.CDR	Project No.: 163701Y	

\TRi1637Y\TRi01Y\100\TRi0110001.CDR

APPENDIX A

Geophysical Survey Report

Results of Geophysical Investigation

National Lighthouse Harbor Site
South Street
Staten Island, New York

Prepared for: **Roux Associates, Inc.**
Islandia, New York

Dates of Investigation: **July 2 and July 31, 2007**

Prepared by:

Gerald Williamson
Geologist
NAEVA Geophysics, Inc.
50 North Harrison Avenue, Suite 11
Congers, NY 10920

Contents

1.0 Introduction
- 1.1 Purpose
- 1.2 Areas of investigation

2.0 Methods and Instrumentation
- 2.1 TW-6
- 2.2 Ground Penetrating Radar
- 2.3 Utility Locating Instruments

3.0 Field Operations
- 3.1 Underground Storage tanks
- 3.2 Proposed Boring Locations
- 3.3 Utility Location

5.0 Results

Figure 1 Area of Geophysical Investigation: Area 1
Figure 2 Area of Geophysical Investigation: Area 2
Figure 3 Area of Geophysical Investigation: Area 3

Results of Geophysical Investigation
National Lighthouse Harbor Site
South Street
Staten Island, New York

1.0 Introduction

1.1 Purpose

On July 2 and July 31, 2007, NAEVA Geophysics Inc. conducted geophysical investigations at the National Lighthouse Harbor Site, located on South Street in Staten Island, New York. The initial purpose of this investigation was to mark out underground storage tanks (USTs), detectable subsurface utilities and buried structures in the vicinity of four existing buildings, two former buildings, and nine proposed boring locations. It was initially proposed to conduct a survey in an attempt to locate the Staten Island Rail tunnel that crossed the area of investigation. The area to be investigated was not prepared for the survey, as it was covered with vegetation and brush, thus Roux onsite personal determined the location of the rail tunnel was not needed.

NAEVA Geophysics' approach for this investigation was to utilize electromagnetic (EM) metal-detection. EM techniques offer very accurate metallic target location, and EM utility locating instruments and a ground penetrating radar (GPR) system were used to mark out detectable subsurface utilities.

1.2 Areas of investigation

The area of concern consisted of three sites: the area surrounding four existing buildings (Area 1), the area in the vicinity of two former buildings and a parking lot (Area 2), and a location along a road that ran between Area 1 and Area 2 (Area 3).

Area 1 consisted of the area surrounding four existing buildings along the eastern edge of the property. The area containing the buildings was approximately 380 feet by 100 feet in size, and was covered with concrete, debris piles, some vegetation, and the existing buildings. The eastern edge of the area, directly in front of the buildings, was covered in thick vegetation on the first day of the survey (July 2). This area was subsequently cleared of brush and vegetation, and the survey was completed on July 31 (see Figure 1).

Area 2 covered an approximate 200 feet by 300 feet area thought to be the former site of two buildings as well as a dirt and gravel parking lot. The portion of the area thought to contain the two former buildings was covered with waist to chest high vegetation on the initial survey date (July 2). This area was subsequently cleared, and the survey was completed on July 31. The parking lot area was covered with dirt and gravel and was relatively flat with some vegetation. The area of the former buildings was relatively level, with some vegetation and trees (see Figure 2).

Area 3 consisted of one proposed boring location. It was placed in a road that ran between Area 1 and Area 2. The area was covered with chest high vegetation. This was cleared in the vicinity of the proposed boring location on the initial survey date (July 2). The area within 10 feet of the proposed location was surveyed (see Figure 3).

2.0 Methods and Instrumentation

The equipment selected for this investigation included a Fisher TW-6 M-Scope metal-detector, a Sensors & Software ground penetrating radar system, and utility locating instruments.

2.1 TW-6

The Fisher TW-6 Pipe and Cable Locator, also known as the M-Scope, is a type of electromagnetic metal-detector. The instrument consists of a transmitter coil and a receiver coil mounted at opposite ends of a 4-foot horizontal staff. The transmitter is fixed in a vertical position. The receiver's orientation is then adjusted to the horizontal, exactly perpendicular to the transmitter. When the receiver is in this perpendicular orientation, its response to the transmitter is at a minimum. Metallic objects in the vicinity of the instrument pick up the transmitted signal, and acting as secondary transmitters, cause detectable interference at the receiver. By adjusting the gain of the instrument, as well as its position relative to a buried metallic object, an experienced operator can often obtain information as to the size or shape of the target.

2.2 Ground Penetrating Radar

A Sensors & Software Smart Cart ground penetrating radar (GPR) system utilizing a 250 MHz antenna was selected to investigate metal-detector anomalies and each proposed boring location. The GPR antenna radiates short pulses of electromagnetic energy into the ground. Whenever these pulses strike an interface having variant dielectric properties, part of the wave is reflected back and detected at the surface. These profiles are then examined for parabolic reflections that could be interpreted as representing underground storage tanks, foundations, subsurface utilities, or other buried objects.

2.3 Utility Locating Instruments

The equipment used for this portion of the investigation included the aforementioned Fisher TW-6 Pipe and Cable Locator, a Subsite 950 utility locator, and a 3M Dynatel 2273 cable locator. The Subsite 950 and the Dynatel 2273 both work on the principle of applying a radio frequency signal onto a metallic/electrically conductive line and then tracing the signal at the surface using a specialized receiver. The Subsite is useful for locating the surface trace of a variety of buried utilities. The Dynatel 2273 is

particularly suited to locating the surface trace of an electric line and other narrow-gauge wiring, but it can also detect larger metallic piping and linear structures.

3.0 Field Operations

3.1 Underground Storage Tanks

The TW-6 Pipe and Cable Locator was used as the primary investigative instrument. The instrument was carried over accessible portions of each area in a series of parallel traverses spaced approximately 3 feet apart to look for evidence of buried metallic features large enough to possibly represent USTs. GPR was then used to further investigate each anomaly detected by the TW-6.

Each metal anomaly was marked on the ground with pink spray paint. The locations of all anomalies were measured from permanent above ground features and recorded on the attached site maps.

3.2 Proposed Boring Locations

The TW-6 Pipe and Cable Locator, ground penetrating radar, and utility locating instruments were all used to investigate a 10 foot diameter around each proposed boring location. The TW-6 and utility locating instruments were used to delineate any detectable subsurface utilities in the vicinity of each location. The TW-6 was also used to identify any metallic objects within the subsurface that may hinder the drilling process. GPR was then used to check the locations for any subsurface features and utilities.

3.3 Utility Location

The area was first visually inspected for evidence of subsurface utilities, such as manholes, catch basins, and light poles. Many utilities carry electric currents, and therefore produce electromagnetic fields that can be detected at the surface. In addition, buried metallic conduits, acting as antennas, often pick up background commercial radio signals and re-radiate them. The site was investigated for evidence of these signals using the Subsite operating in several passive modes. The TW-6 was used to check for evidence of buried metallic structures or utilities having no surface expression.

We also investigated the area of concern by using the Dynatel 2273 in a split-box fashion. Two operators, one carrying the transmitter and one carrying the receiver, walked bi-directionally across portions of the site at a fixed distance to one another while listening for increases in signal strength that would suggest possible subsurface utilities. Where signal increases were noted, they were further investigated in an attempt to discern a signal propagating utility.

Each detected utility was marked on the ground with paint. The locations of all detected subsurface utilities were measured from permanent above ground features and recorded on the attached site maps.

4.0 Results

Area 1

The accessible areas around the four existing buildings were investigated for USTs. It should be noted that there were several areas that contained either metallic debris, or large piles of concrete debris that could not be surveyed. These areas were marked on the site map (Figure 1).

Four significant metal anomalies were identified near the southern most building, one on each side. On the east side of the building is a long rectangular metal anomaly which consists of a reinforced concrete ramp. On the south side of the building is an abnormal shaped metal anomaly surrounding a catch basin. It is most likely to be associated with reinforced concrete and/or a subsurface vault associated with the catch basin. GPR profiles collected over each of these anomalies showed no evidence of USTs. The west and north sides of the building each contain a rectangular metal anomaly. The anomaly on the north side is much larger than the west side anomaly, and both have piles of debris and junk nearby. GPR profiles collected over each of the anomalies were inconclusive. It is most likely that these anomalies are the result of patches reinforced concrete; however, the presence of the debris piles did make it difficult to investigate the entire area with GPR. The surface trace of the anomalies is also of sufficient size to possibly contain a UST. It should be noted that reinforced concrete inhibits the penetration depth of GPR, and could possibly mask the presence of a UST. One boring location, placed south of the building, was investigated for detectable utilities and subsurface obstructions.

One significant metal anomaly was identified on the west side of the central building. The metal anomaly was rectangular in shape, and in the vicinity of some scrap metal. GPR profiles collected over the anomaly proved to be inconclusive. It is likely that this anomaly is another patch of reinforced concrete, but it is of sufficient size to possibly mask a UST. One boring location was placed on the north side of the center building. Several underground utilities and small metal anomalies were identified on the north side of the building. The metal anomalies were small in size (less than two feet in diameter), and/or nonrectangular in shape, and GPR profiles collected over each of them were inconclusive. One boring location was placed on the north side of the building and investigated for detectable utilities and subsurface obstructions.

Three significant metal anomalies were identified near the two northernmost buildings. A raised, rectangular pad of reinforced concrete was identified in between the two buildings. On the north side of the eastern building, an abnormal shaped metal anomaly was identified. GPR profiles collected over the anomaly were inconclusive. It is most probable that this anomaly is also due to a patch of reinforced concrete. On the east side of the eastern building, a long rectangular metal anomaly was noted. This anomaly was most probably due to reinforced concrete blocks that were placed along the front of the building. There were four boring locations located in the vicinity of these

two buildings. They were investigated for detectable utilities and subsurface obstructions.

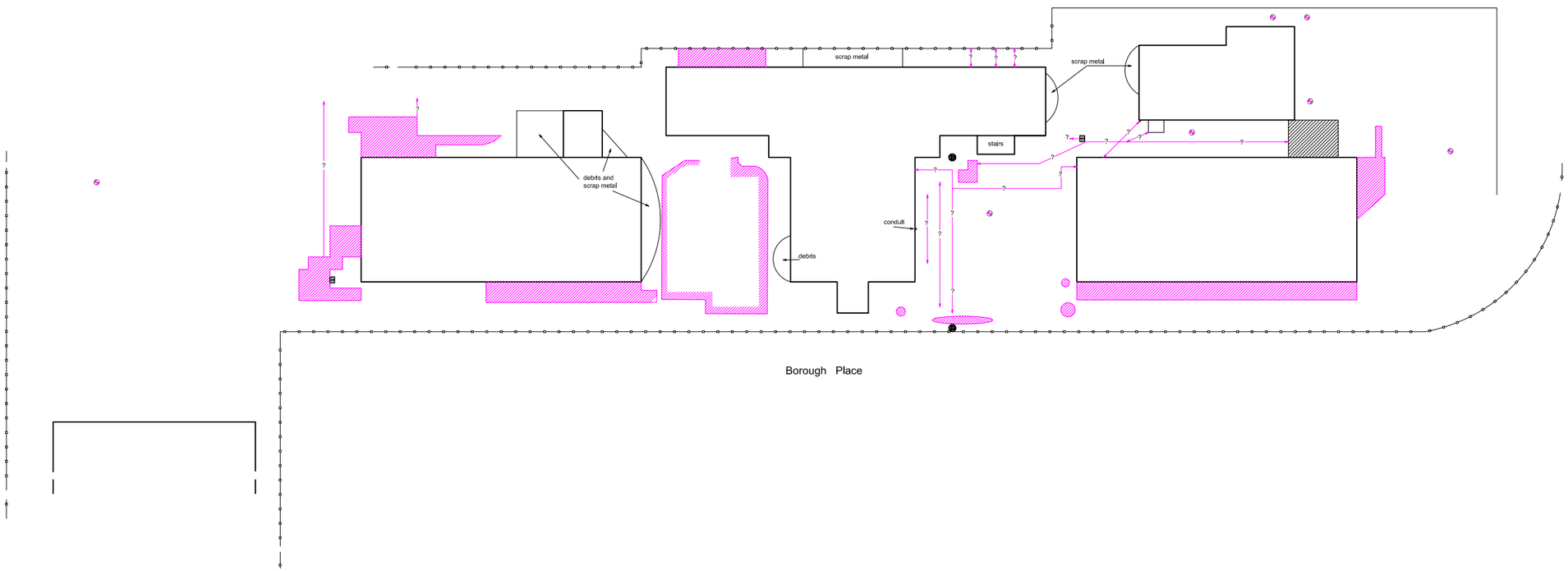
Area 2

Two significant metal anomalies were identified in the northern section of the area, near the wall. A rectangular anomaly, approximately 14 feet by 6 feet in size, and a circular anomaly, approximately 7 feet in diameter. GPR profiles collected over these anomalies showed strong reflections. They were not the hyperbolic reflections typically associated with USTs, but they still may represent a UST or some other buried feature. If further characterization of these anomalies is necessary, NAEVA recommend careful excavation of the area. There were two proposed boring locations within the area of concern. Detectable utilities and subsurface obstructions were identified and marked out in the vicinity of these locations.

Area 3

No significant metal anomalies were detected within the area of concern. One boring location was placed within the area and investigated for detectable utilities and subsurface obstructions.

NAEVA recommends you to take extra caution when excavating in the vicinity of any marked utilities and detected features.



LEGEND

?	suspected utility
	proposed exploratory boring site
	conduit
	roof drain
	chain-link fence
	metal-detector anomaly
	catch basin
	reinforced concrete
	manhole cover

approximately

20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

NACVA GEOPHYSICS, INC.
Subsurface Geophysical Surveys
50 N. Harrison Avenue, Suite 11
Congers, NY, 10920
(845)268-1800
(845)268-1802 FAX

Figure 1. Area of Geophysical Investigation: Area 1

Client	Roux Associates, Inc.	Date of Work	July 02, 2007
Project No.	C0707021X	Map By	David Swain

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

LEGEND

e	electric line		electrical conduit
ng	natural gas line		manhole cover
T?	telephone line?		parking lot lamp
?	suspected utility		metal-detector anomaly
	proposed exploratory boring site		

approximately

20 10 0 10 20 ft

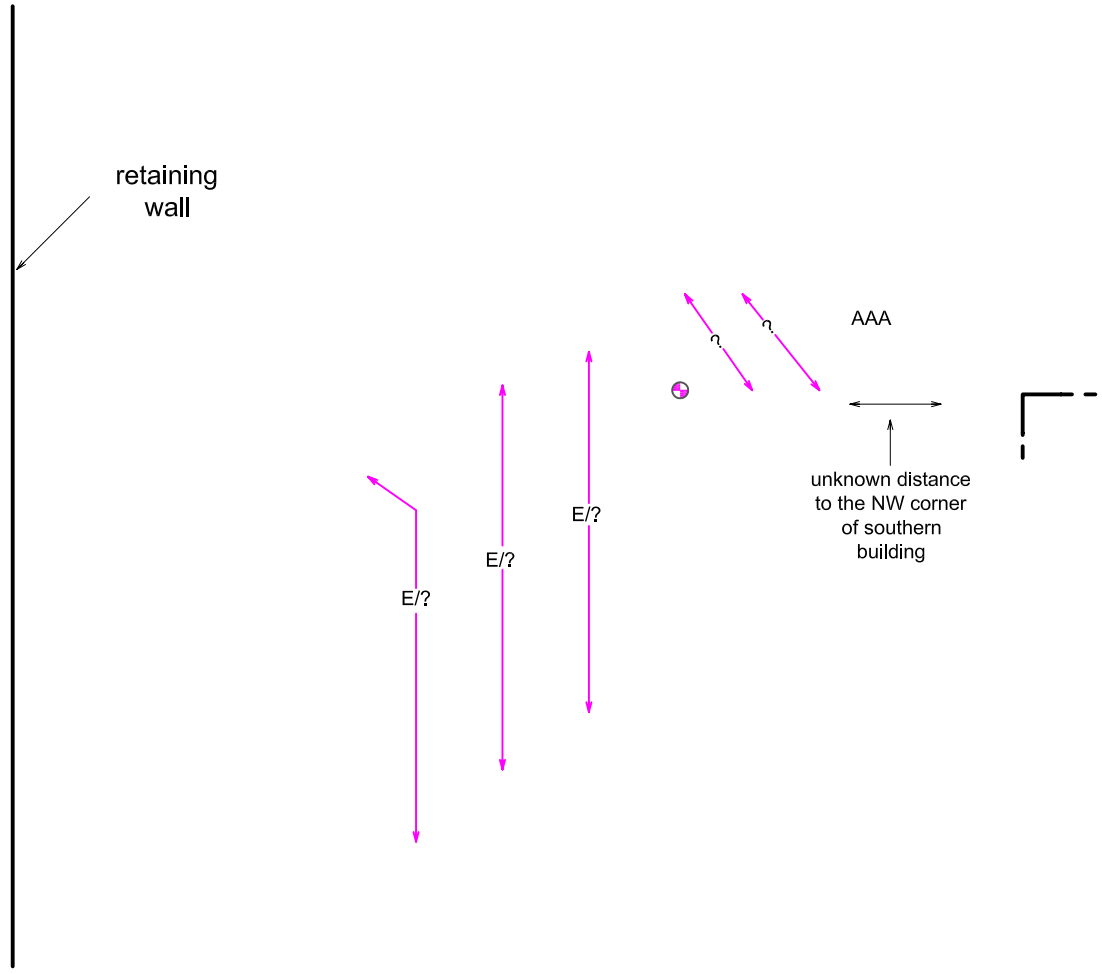
Scale: One inch equals approximately twenty feet

NAEVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys
50 N. Harrison Avenue, Suite 11
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 2: Area of Geophysical Investigation: Area 2

Client	Roux Associates, Inc	Date of Work	July 2, 2007 and July 31, 2007
Project No.	C0707021X	Map By	Gerald Williamson

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP



LEGEND

? GPR suspected utility

E? suspected electric line

proposed exploratory boring site

10 5 0 5 10 ft

Scale: One inch equals approximately ten feet

NAEVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

50 N. Harrison Avenue, Suite 11
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 3. Area of Geophysical Investigation: Area 3

Client	Roux Associates, Inc.	Date of Work	July 2 and July 31, 2007
Project No.	C0707021X	Map By	Gerald Wiliamson

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

APPENDIX B

Soil Boring Geologic Logs

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO. **SB-1**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **163701Y / Triangle Equities - Lighthouse Point**		LOCATION **Staten Island, New York**		
APPROVED BY	LOGGED BY **J. Diminich**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Andrea Babel**		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6610DT / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/5/07-7/5/07**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **Not Measured**	BACKFILL **Cuttings**		

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Grey to dark grey, medium to coarse SAND, some Gravel; moist		0.0	
	Brown to dark brown, fine to medium SAND, little Gravel; moist			
	Orangish brown, fine SAND, little Silt, little medium Sand, trace gravel; moist		0.0	
5	Orangish brown, fine SAND, little Silt, little medium Sand, trace gravel; moist		0.0	5
	Brown to orangish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.0	
	Brown to reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.0	
10	Reddish brown to brown, fine SAND, little Silt, trace Gravel; moist		1.8	10
	Reddish brown, fine SAND and Silt, trace gravel; moist		4.5	
	Red to reddish brown, fine to medium SAND, trace gravel; moist		0.0	
15				15
	Red to reddish brown, fine to medium (-) SAND, trace gravel; moist		0.0	
	Reddish brown, fine to medium SAND, trace gravel; moist		1.9	
20				20
	Reddish brown SILT, trace fine sand; moist		5.8	
	Reddish brown, fine to medium (-) SAND, trace gravel; moist			
	Reddish brown, fine to medium SAND, little Gravel; moist		2.0	
25				25
	Reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.5	
			1.2	
30				30
	Reddish brown, fine SAND, little Gravel, little Silt; moist		0.4	
			0.8	
35				35
	Brown to reddish brown, fine to medium SAND, little Gravel, trace silt; moist			Sample SB-1/35-37 collected for analysis
	Reddish brown, fine to medium SAND, little Silt, trace gravel; wet			Water encountered at approximately 37 ft bls Sample GW-1 collected for analysis
40				End of boring at 40ft bls 40

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-2	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY	Staten Island, New York		
	C. Roth			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joe M				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	GH-40 / Geoprobe	2" Macro-Core	7/9/07-7/9/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown, medium to fine SAND and Gravel; moist		0.0	
		Tan to red, fine SAND and Silt; moist		0.0	
		Tan to red, fine SAND and Silt, little Gravel; dry		0.0	
5					5
		Red, fine SAND and Silt, little Gravel; moist		0.0	
		Red, fine SAND and Silt, little Gravel; moist		0.6	
10					10
				0.8	
		Red, fine SAND and Silt, some Gravel; dry		0.5	
		Red to brown, fine SAND and Silt, some Gravel; dry		0.8	
15					15
					Refusal at 16ft bls

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO. **SB-3**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **163701Y / Triangle Equities - Lighthouse Point**		LOCATION **Staten Island, New York**		
APPROVED BY	LOGGED BY **J. Diminich**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Andrea Babel**		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6610DT / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/5/07-7/5/07**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **Not Measured**	BACKFILL **Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Light orangish brown, fine SAND and Silt; moist			Collect SB-3/0-0.5 for analysis
					Collect SB-3/2-2.5 for analysis
5		Light orangish brown, fine SAND, some Silt; moist			
		Brown to reddish brown, fine SAND, little Silt, trace gravel; moist			
10		Light reddish brown, fine to medium (-) SAND, little Silt, little Gravel; moist			
					Collect SB-3/12-14 for analysis
		Light reddish brown, fine to medium (-) SAND, little Silt, little Gravel; wet			Water encountered at approximately 14 ft bls
15					End of boring at 15 ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-4	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY	Staten Island, New York		
	J. Diminich			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6610DT / Geoprobe	2" Macro-Core	7/6/07-7/6/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.2	
		Reddish brown, fine to medium SAND, some Gravel, trace silt; moist			
5		Reddish brown, fine to medium SAND, some Gravel, trace silt; moist		0.3	
				0.2	
10		Reddish brown, fine to medium SAND, little Gravel, trace silt; moist		0.4	Sample SB-4/10-12 collected for analysis
		Reddish brown, fine to medium SAND, some Gravel, trace silt; wet		0.2	Water encountered at approximately 12 ft bls
		Reddish brown, fine to coarse (-) SAND, little Gravel, trace silt; wet		0.5	Sample GW-4 collected for analysis
15					End of boring at 15 ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-5	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	J. Diminich	Staten Island, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6610DT / Geoprobe	2" Macro-Core	7/6/07-7/6/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Brown to reddish brown, fine to medium SAND, little Silt, little Gravel; moist			
					Sample SB-5/3-5 collected for analysis
5					
		Orangish to reddish brown, fine to medium SAND, little Gravel, little Silt; wet			Water encountered at approximately 5 ft bls
					Sample GW-5 collected for analysis
10					
		Orange to reddish brown, fine to medium SAND, little Silt, trace gravel; wet			
15					End of boring at 15 ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-6	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY	Staten Island, New York		
	J. Diminich			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6610DT / Geoprobe	2" Macro-Core	7/6/07-7/6/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.3	
		Dark brown, fine to coarse SAND, little Gravel; moist			
		Reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.5	
					Sample SB-6/3-5 collected for analysis
5		Reddish brown, fine to medium (-) SAND, some Silt, trace gravel; wet		1.0	Water encountered at approximately 5 ft bls
					Sample GW-6 collected for analysis
				0.8	
10		Reddish brown, fine to medium (-) SAND, some Silt, trace gravel; wet		1.2	
		Refusal			Refusal at 14 ft bls
15					

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-7	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY	Staten Island, New York		
	C. Roth			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joe M				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	GH-40 / Geoprobe	2" Macro-Core	7/9/07-7/9/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
1		Red brown, fine SAND, some Silt, some Concreet fragmants, little medium Sand; moist			
2		Red brown, fine SAND and Silt, some medium Sand, little Gravel, little clay; moist			
3					
4		Brown red, fine to coarse SAND, some Clay, little Gravel; moist		1.2	Sample SB-7/4-6 collected for analysis
5					
6		Red, fine SAND, some Silt, little Gravel; wet		0.5	Water encountered at approximately 6 ft bls
7					Sample GW-7 collected for analysis
8					End of boring at 8ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-8	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	C. Roth	Staten Island, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joe M				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	GH-40 / Geoprobe	2" Macro-Core	7/9/07-7/9/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Red brown, fine SAND, some Silt, little concrete fragments; moist		0.5	
1					1
2		Red brown, fine SAND, some Silt, little gravel; moist		0.8	2
3					3
4		Red brown, fine SAND, some Silt, little Gravel; moist		1.2	Sample SB-8/4-6 collected for analysis 4
5					5
6		Red brown, fine to medium SAND, little Silt; wet		1.5	6
7					Water encountered at approximately 7 ft bls 7
8		Red brown, fine SAND and Silt; wet			Sample GW-8 collected for analysis 8
9					9
10					10
11					11
12					End of boring at 12ft bls 12

APPENDIX C

Lead and Asbestos Survey Report

ASBESTOS AND LEAD BASED PAINT INSPECTION AND SAMPLING REPORT

PERFORMED AT:

LIGHTHOUSE POINT
BUILDINGS 3 (VAULTS), 5, 6, 7 & 8
STATEN ISLAND, NEW YORK

PREPARED FOR:

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 SHAFTER STREET
ISLANDIA, NEW YORK 11749
ROUX ASSOCIATES PROJECT 163701Y

PREPARED BY:

TESTWELL®
LABORATORIES,INC.
Total Commitment to Quality
47 HUDSON STREET
OSSINING, NEW YORK 10562

TLI PROJECT NO.: PNT – 026AB
AUGUST 21, 2007

1.0 EXECUTIVE SUMMARY

An inspection of the site was performed on July 2nd, 3rd, and 19th by Alex Skibenko of Testwell Laboratories, Inc. (TLI), New York State Department of Labor (NYS DOL) Asbestos Inspector Certificate No. AH98-03883 and Charles Schnugg, TLI, NYS DOL Asbestos Inspector Certificate AH89-00815.

The inspection and bulk sampling was performed to identify asbestos content and lead based paint in the building materials that may be disturbed during the proposed work associated with the planned rehabilitation and restoration of the five (structures identified as buildings 3 (vault), 5, 6, 7 and 8 of the former US lighthouse Administration facility located in Staten Island, New York.

Samples of suspect materials that could be impacted during the current proposed work were collected for laboratory analysis to determine asbestos content or lead based paint content, if any. Asbestos containing materials are defined by the US EPA (40 CFR 61.145) and NYC DEP (15 RCNY Chapter 1) as a material containing greater than 1%, by weight, asbestos content. US Department of Housing and Urban Development (HUD) as a paint material with lead content of greater than 0.5% by weight.

Based on the field inspection observations and sampling, review of planned renovation work, and laboratory results of samples, asbestos containing materials (ACM) listed in the following table will be affected during the proposed alteration or renovation work.

LOCATION	AFFECTED ASBESTOS CONTAINING MATERIAL	APPROX. QUANT.	SF / LF	COND.
Building 3 - Vaults				
Vault # 3	5 Gallon Pails of Roof Cement*	6	EA	SD
Building 5				
Entire	Floor Tile/Mastic (2 Layers)	820	SF	SD
Roof	Red Roof Shingle & Tarpaper	2,250	SF	SD
Building 6				
Floors 1 - 4	Pipe Insulation	820	LF	SD
1st Floor Boiler Room	Boiler Insulation	200	SF	SD
1st Floor Boiler Room	Transite Ceiling	200	SF	SD
Floors 1 - 4	Floor Tile (Mastic Non-ACM)	5,160	SF	SD
Roof	Multiple Layer Built-up Roofing & Flashing*	5,040	SF	D
Building 7				
Floors B - 3	Pipe Insulation	425	LF	SD
Floors B - 3	9" x 9" Multicolored Floor Tile and Mastic	14,400	SF	SD
Exterior	Transite Panel	200	SF	SD
Roof	Built-up Roofing*	4,100	SF	SD
Exterior	Nailcrete & Tarpaper Under Mansard Roof*	5,100	SF	SD
Building 8				
Floors B - Attic	Pipe Insulation	480	LF	SD
Floors B - Attic	Pipe Insulation Debris on Floor	1,000	SF	SD
Attic	Elevator Brake Shoes*	2	SF	D
Floor 1	Floor Tile	3,200	SF	SD
Roof	Built-up Roofing*	3,400	SF	SD

** - MATERIALS INACCESSIBLE FOR SAMPLING AND ASSUMED TO BE ASBESTOS CONTAINING BASED ON AGE/COLOR/APPEARANCE. CONFIRMATORY SAMPLING IS RECOMMENDED PRIOR TO REMOVAL/ABATEMENT*

CONDITION ASSESSMENT:

SD – Significantly Damaged: ≥ 10% Damaged or ≥ 25% Localized Damage
D – Damaged: < 10% Damaged or < 25% Localized Damage
G – Good: No Visible or Very Limited Damage

2.0 PURPOSE/INTENT

An extensive rehabilitation and restoration of the buildings identified at 3 (vaults), 5, 6, 7 and 8 is planned at the former National Lighthouse facility located in Staten Island, New York. TLI was retained by Roux Associates, Inc. Hill to perform asbestos and lead based paint sampling of the areas subject to the planned project. This inspection was performed to determine if the asbestos-containing materials (ACM) or Lead Based Paint (LBP) would be impacted during the proposed renovation work. In accordance with 15 RCNY Chapter 1, 12 NYCRR 56 "Asbestos" and 40 CFR 61.145 (M), an asbestos investigation is required prior to conduct of the any renovation/alteration work.

3.0 INSPECTION

An inspection of the site was performed on July 2nd, 3rd, and 19th by Alex Skibenko of Testwell Laboratories, Inc. (TLI), New York State Department of Labor (NYS DOL) Asbestos Inspector Certificate No. AH98-03883 and Charles Schnugg, TLI, NYS DOL Asbestos Inspector Certificate AH89-00815. Mr Luc Derrendger of Roux Associates, Inc. accompanied Testwell personnel during the site inspections.

4.0 SAMPLING OF SUSPECT MATERIALS

Bulk sampling of suspect asbestos materials was performed in accordance with protocol contained in the US EPA Asbestos Hazard Emergency Response Act of 1986 (40 CFR 763 AHERA) and the US EPA "Simplified Sampling Scheme: (pink book). Samples were placed into leak-tight plastic sample containers, carefully noting the location and material sampled and stored for transport to the laboratory facility. A chain-of-custody and analysis requested was initiated for all samples collected.

Sampling of painted surfaces for lead content was performed in accordance with US EPA/HUD's "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards" Chapter 7: "Lead-Based Paint Inspection" (1997 Revision) and with protocol described in the American Standard Testing Materials (ASTM) standard ES-28. After completed an inventory of painted surfaces and units to be inspected, paint-chips samples were collected from each sampling combination identified by substrate and color. Each paint-chip sample was placed in a hard-shelled plastic container, uniquely numbered and sent to the laboratory for analysis accompanied with the samples chain-of-custody.

5.0 LABORATORY ANALYSIS

Samples for asbestos content were analyzed by Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency's Interim Method for the Detection of Asbestos in Bulk Insulation Samples (EPA- 600/M4-82020, December 1982) and the McCrone Research Institute's The Asbestos Particle Atlas as method reference. Non-friable Organically Bound (NOB) samples were analyzed via gravimetric reduction method. In general, these materials are flexible-to-rigid asphalt, vinyl or an off – organic type matrix. This included, but not limited to vinyl floor tiles, floor tiles mastic or glue, roofing tarpaper or shingles, asphalt tar waterproofing materials, window and door caulk, etc. The protocol requires that samples are analyzed by a gravimetric reduction method and the sample is subject to a series of ashing and weighing prior to analysis. Once the NOB samples were gravimetrically reduced it can then be analyzed via Polarized Light Microscopy (PLM). If a NOB sample contains >1% asbestos, the sample may be reported as asbestos containing and no further analysis is required. If PLM analysis indicated an asbestos concentration of <1%, then the absence of asbestos fibers must be confirmed by Transmitted Electron Microscopy (TEM). This method is referred to as the Gravimetric Matrix Method (ELAP Items 198.1 and 198.4).

A summary of findings is indicated in the following tables:

BUILDING #3 (VAULTS)

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
3-01	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-02	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-03	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-04]	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM
3-05	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM
3-06	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM

BUILDING #5

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
5-02-01	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-02	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-03	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-04	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-05	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-06	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-07	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-02-08	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-02-09	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-19-01	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-02	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-03	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-04	2	Building #5 Interior	9x9 Red Floor Tile	-	**3.32% Chrysotile**	-
5-19-05	2	Building #5 Interior	9x9 Red Floor Tile	-	**NA/PS**	-
5-19-06	2	Building #5 Interior	9x9 Red Floor Tile	-	**NA/PS**	-
5-19-07	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**9.52% Chrysotile**	-
5-19-08	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**NA/PS**	-
5-19-09	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**NA/PS**	-
5-19-10	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-11	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-12	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-13	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-
5-19-14	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
5-19-15	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-
5-19-16	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-17	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-18	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-19	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-20	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-21	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-22	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-23	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-24	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-25	8	Building #5 Exterior	Red Roof Shingle	-	2.63% Chrysotile	-
5-19-26	8	Building #5 Exterior	Red Roof Shingle	-	NA/PS	-
5-19-27	8	Building #5 Exterior	Red Roof Shingle	-	NA/PS	-
5-19-28	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	13.66% Chrysotile	-
5-19-29	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	NA/PS	-
5-19-30	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	NA/PS	-

BUILDING #6

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
6-1	1	Interior 1-4	Pipe Insulation	**21% Chrysotile**	-	-
6-2	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-3	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-4	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-5	2	Interior 1st Floor Boiler Room	Boiler Insulation	**13% Chrysotile**	-	-
6-6	2	Interior 1st Floor Boiler Room	Boiler Insulation	**NA/PS**	-	-
6-7	2	Interior 1st Floor Boiler Room	Boiler Insulation	**NA/PS**	-	-
6-8	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**3.48% Chrysotile**	-
6-9	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**NA/PS**	-
6-10	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**NA/PS**	-
6-11	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-12	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-13	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-14	5	Interior 1st Floor Boiler Room	Transite Ceiling	**28% Chrysotile**	-	-
6-15	5	Interior 1st Floor Boiler Room	Transite Ceiling	**NA/PS**	-	-
6-16	5	Interior 1st Floor Boiler Room	Transite Ceiling	**NA/PS**	-	-
6-17	6	Interior 4th Floor	Pipe Insulation Paper	-	**36.42% Chrysotile**	-
6-18	6	Interior 4th Floor	Pipe Insulation Paper	-	**NA/PS**	-
6-19	6	Interior 4th Floor	Pipe Insulation Paper	-	**NA/PS**	-
6-20	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-21	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-22	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-23	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-
6-24	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
6-25	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-
6-26	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-27	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-28	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-29	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-30	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-31	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-32	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-33	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-34	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-35	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-36	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-37	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-38	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-39	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-40	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-41	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-42	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-43	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-44	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-
6-45	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-
6-46	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-1	1	Ground Floor Exterior	Transite Wall Cover	**10.2% Chrysotile**	-	-
7-2	1	Ground Floor Exterior	Transite Wall Cover	**NA/PS**	-	-
7-3	1	Ground Floor Exterior	Transite Wall Cover	**NA/PS**	-	-
7-4	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-5	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-6	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-7	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-8	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-9	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-10	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-11	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-12	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-13	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-14	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-15	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-16	6	Interior 1-3	Mastic on Wood Floor	-	**7.5% Chrysotile**	-
7-17	6	Interior 1-3	Mastic on Wood Floor	-	**NA/PS**	-
7-18	6	Interior 1-3	Mastic on Wood Floor	-	**NA/PS**	-
7-19	7	Interior 1-3	Pipe Insulation	**11.3 % Chrysotile**	-	-
7-20	7	Interior 1-3	Pipe Insulation	**NA/PS**	-	-
7-21	7	Interior 1-3	Pipe Insulation	**NA/PS**	-	-
7-22	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-
7-23	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-
7-24	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-25	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-26	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-27	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-28	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-29	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-30	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-31	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-32	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-33	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-34	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-35	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-36	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-37	13	Interior 1-3	9x9 Green Floor Tile	-	**5.35% Chrysotile**	-
7-38	13	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-39	13	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-40	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**3.4% Chrysotile**	-
7-41	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
7-42	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
7-43	15	Interior 1-3	Floor Tile Mastic	-	**8.33% Chrysotile**	-
7-44	15	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-45	15	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-46	16	Interior 1-3	9x9 Green Floor Tile	-	**12.1% Chrysotile**	-
7-47	16	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-48	16	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-49	17	Interior 1-3	Floor Tile Mastic	-	**11.2% Chrysotile**	-
7-50	17	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-51	17	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-52	18	Interior 1-3	9x9 Gray Floor Tile	-	**4.2% Chrysotile**	-
7-53	18	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-54	18	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-55	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-56	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-57	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-58	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-59	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-60	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-61	21	Interior 1-3	9x9 White Floor Tile	-	**2.8% Chrysotile**	-
7-62	21	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-63	21	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-64	22	Interior 3rd Floor	Tar Paper on Floor	-	**12.3% Chrysotile**	-
7-65	22	Interior 3rd Floor	Tar Paper on Floor	-	**NA/PS**	-
7-66	22	Interior 3rd Floor	Tar Paper on Floor	-	**NA/PS**	-
7-67	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-68	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-69	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-70	24	Interior 3rd Floor	Pipe Wrap	tr Chrysotile	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
8-1	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-2	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-3	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-4	2	Interior 1-4	Pipe Insulation	**14% Chrysotile**	-	-
8-5	2	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
8-6	2	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
8-7	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-8	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-9	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-10	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**14% Chrysotile**	Non-ACM by TEM
8-11	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
8-12	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
8-13	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM
8-14	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM
8-15	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM

Samples collected for lead content were analyzed by a laboratory recognized under US EPA's National Lead Laboratories Accreditation Program (NLLAP), and NYS DOH Environmental Laboratories Approval Program (ELAP). The Atomic Absorption Spectrometry (AAS) analytical technique was utilized as per ASTM method D-3335-85a.

BUILDING #3 (VAULTS)

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
White Paint on Walls	Vault # 6	1	Non-LBP
White Paint on Walls	Vault # 3	1	Non-LBP

BUILDING #5

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Green Paint on Walls	Exterior	2	LBP
Lt. Green Paint on Window	Exterior	2	LBP
Green Paint on Walls	Interior	1	LBP

BUILDING #6

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Black Lt Brown Paint on Door	Interior	1	LBP
Gray White Paint on Window	Interior	1	LBP
Gray Paint on Door	Interior	1	LBP
Red Paint on Fire Standpipe	Interior	1	LBP
Lt Blue Paint on Wall Column	Interior	1	Non-LBP
Beige Paint on Beam Column	Interior	1	Non-LBP
Black Paint on Stairway Risers	Interior	1	LBP
Gray Red Paint on Stairway Stringers	Interior	1	LBP
Blue Beige Paint on Ceiling 2nd Floor	Interior	1	LBP
Green Beige Paint on Column Wall 2nd Floor	Interior	1	LBP
Lt Brown Green Paint on Wall 3rd Floor	Interior	1	LBP
Yellow Paint on Wall 4th Floor	Interior	1	LBP

BUILDING #7

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Green White Paint on Window	Interior	1	Non-LBP
Gray green Paint on Door	Interior	1	Non-LBP
Blue Paint on Wall	Interior	1	Non-LBP
Gray Paint on Stairway	Interior	1	LBP
Yellow Paint on Temporary Wall	Interior	1	Non-LBP
Brown Paint on Stair Wall	Interior	1	LBP
White Paint on Door	Interior	1	LBP
Lt Blue Paint on Window	Interior	1	LBP

BUILDING #7

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Red Brown Paint on Door	Interior	1	LBP
Black Paint on Wall	Interior	1	LBP
Dark Gray Paint on Window	Interior	1	LBP

Complete sample laboratory analysis data sheets are attached in Appendix A (asbestos) and B (lead based paint) of this report.

6.0 CONCLUSIONS/RECOMMENDATIONS

Laboratory analysis results confirm the presence of asbestos fibers more than 1% by weight in several suspect building materials throughout the former National Lighthouse facility located in Staten Island, New York. Prior to renovation activities, all asbestos contained materials identified in this report should be removed in accordance with 15 RCNY Chapter 1, 12 NYCRR Part 56 "Asbestos" and 40 CFR 61.145.

Services performed by Testwell Laboratories, Inc. and summarized in this report have been conducted in accordance with Title 15 of RCNY, 40 CFR 763 (AHERA), US EPA Simplified Sampling Scheme and 12 NYCRR Part 56 "ASBESTOS".

The undersigned has reviewed this report and certifies to the Roux Associates, Inc. and their respective clients that the information provided in this report is accurate as of the date of issuance.

Testwell Laboratories, Inc.

Alex Skibenko
NYS DOL Asbestos Inspector AH98-03883

Charles Schnugg
NYS DOL Asbestos Inspector AH89-00815

Harish Rajsakha-Maher
US EPA Lead Based Paint Inspector/Risk Assessor NY-R-7285-1

APPENDIX A

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY ASBESTOS

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse Vaults 1-6
DATE OF REPORT:08/16/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-146-01	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
02 07-07-146-02	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
03 07-07-146-03	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					

Analyst: 6.13
A. Barengolts

Laboratory Director
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 762-9638

Bulk Sample Data Chain of Custody Page 1 of 1

Client: ROOX

Project Site: 51 LIGHTHOUSE VAULTS 1 - 6

Project Address:

Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)

Project #: PNT-026AB

Date: 7/19/07

Inspector: C. SCHNUGG

Signature:

Date Analyzed: Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

Batch # 07-07-146

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (-)
01		VAULT #3			FREEZER UNIT INSULATION		F	YELL				—
02		↓										—
03		↓										—
04		VAULT #2			RED ROOF SHINGLE -STORED		N	RED				—
05		↓										—
06		↓										—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/20/07			7/20/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-146
DATES OF ANALYSIS: 07/29/07

PROJECT: SI Lighthouse Vaults 1-6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/18/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
04	07-07-146-04	Red roof shingle stored	49.30	22.70	28.00	**ND**	NA	**ND**	NA	**Negat.**
05	07-07-146-05	Red roof shingle stored	51.44	10.05	38.52	**ND**	NA	**ND**	NA	**Negat.**
06	07-07-146-06	Red roof shingle stored	47.30	5.78	46.42	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of LTS Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

TESTWE: ABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/2/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) [illegible]
Date Analyzed: Analyst: (TEM) Batch # 07-07-026

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
01	1ST.	INTER	1	1	Block	N	F	BROWN				−
02	↓	↓	↓	2	↓	↓	↓	↓				−
03			↓	3	↓	↓	↓	↓				−
04			2	1	Block MORTER	N	F	GRAY				−
05			↓	2	↓	↓	↓	↓				−
06			↓	3	↓	↓	↓	↓				−
07			3	1	BRICKS MORTER	N	F	GRAY				−
08			↓	2	↓	↓	↓	↓				−
09	↓	↓	↓	3	↓	↓	↓	↓				−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SKIBENKO	7/6/7		[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

DoA 7/6/07

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/27/07

PROJECT: SI Lighthouse Bldg 5
DATE OF REPORT: 08/17/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
10 07-07-148-10	COLOR	White	Wall plaster W/C	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
11 07-07-148-11	COLOR	White	Wall plaster W/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
12 07-07-148-12	COLOR	White	Wall plaster W/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
13 07-07-148-13	COLOR	Tan	Wall plaster B/C	%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
14 07-07-148-14	COLOR	Tan	Wall plaster B/C	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
15 07-07-148-15	COLOR	Tan	Wall plaster B/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/27/07

PROJECT: SI Lighthouse Bldg 5
DATE OF REPORT: 08/17/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
16 07-07-148-16	COLOR	Gray	Debris on floor	4%CELL 1%FBGL	95%	NAD
	# LAYERS	1				
	SCAN					
17 07-07-148-17	COLOR	Gray	Debris on floor	1%CELL	99%	NAD
	# LAYERS	1				
	SCAN					
18 07-07-148-18	COLOR	Gray	Debris on floor	1%CELL	99%	NAD
	# LAYERS	1				
	SCAN					
19 07-07-148-19	COLOR	White	Sheetrock	2%CELL	98%	NAD
	# LAYERS	1				
	SCAN					
20 07-07-148-20	COLOR	White	Sheetrock	3%CELL	97%	NAD
	# LAYERS	1				
	SCAN					
21 07-07-148-21	COLOR	White	Sheetrock	3%CELL	97%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: CORE Environmental
DATE OF ANALYSIS: 07/27/07

PROJECT: 242 Street Station
DATE OF REPORT: 07/27/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
22 07-07-148-22	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
23 07-07-148-23	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
24 07-07-148-24	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					

Analyst: for A. Barengolts

Laboratory Director E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX **(914) 762-9638**

Bulk Sample Data Chain of Custody Page 1 of 3

Client: ROUX
Project Site: 91 LIGHTHOUSE BUILDING 5
Project Address:
Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)
Date Analyzed: Analyst: (PLM)
Date Analyzed: Analyst: (TEM)

Project #: PNT-026A3
Date: 7/19/07
Inspector: L SEHNUG
Signature:

Batch # 07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	TEM NUMBER	(CT)
01	GR	EXT		1	WINDOW PUTTY	N	N	GRY				
02												
03												
04	KR	INT		2	9x9 RED FLOOR TILE	N	N	RED				
05												
06												
07	GR	INT		3	9x9 CREAM FLOOR TILE UNDER RED	N	N	WHT				
08												
09												
10	GR	INT		4	WALL PLASTER W/C	N	F	WHT				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/20				
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Tumaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX **(914) 762-9638**

Bulk Sample Data Chain of Custody Page 2 of 3

Client: Reox
Project Site: 51 LIGHTHOUSE BLDG 5
Project Address:
Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)
Date Analyzed: Analyst: (PLM)
Date Analyzed: Analyst: (TEM)

Project #: PNT-026
Date: 7/19/07
Inspector: C Schnugg
Signature:

Batch #07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	TEM NUMBER	(+) (-)
11	GR	INT		4	WALL PLASTER W/C	N	F	WHT				
12				1	1c	1	1	1				
13	GROUND	INTERIOR		5	WALL PLASTER B/C	N	F	TAN				
14	1	1		1	1	1	1	1				
15	1	1		1	1	1	1	1				
16	GR	INT		6	DEBRIS ON FLOOR	N	F	GRY				
17	1	1		1	1	1	1	1				
18	1	1		1	1	1	1	1				
19	G	INTERIOR		7	SHEETROCK	N	F	WHT				
20	1	1		1	1	1	1	1				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/20/07		Adil Anwar	7/20/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 762-9638

Bulk Sample Data Chain of Custody Page 3 of 3

Client: ROUX
Project Site: SI LIGHTHOUSE BLDG #5
Project Address:
Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)
Date Analyzed: Analyst: (PLM)
Date Analyzed: Analyst: (TEM)

Project #: PNT-026
Date: 7/19/07
Inspector: C. SCHNUGG
Signature:

Batch # 07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	TEM NUMBER	(CH)
21	GR	INT		7	SHEETROCK	N	F	WHT				
22	GR	INTERIOR		8	2x4 FG CEILING TILE	N	F	BRN				
23	↓	↓		↓	↓	↓	↓	↓				
24	↓	↓		↓	↓	↓	↓	↓				
25	R	EXTERIOR		9	RED ROOF SHINGLE	N	F	RED				
26	↓	↓		↓	↓	↓	↓	↓				
27	↓	↓		↓	↓	↓	↓	↓				
28	R	EXTERIOR		10	TAR PAPER FROM GROUND	N	N	BLK				
29	↓	↓		↓	↓	↓	↓	↓				
30	↓	↓		↓	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/26		Adil Anyasi		
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-148
DATES OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse, Bldg 5
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/15/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
01	07-07-148-01	Window Putty	24.51	58.77	16.72	**ND**	NA	**ND**	NA	**Negat.**
02	07-07-148-02	Window Putty	20.38	66.79	12.82	**ND**	NA	**ND**	NA	**Negat.**
03	07-07-148-03	Window Putty	22.05	66.38	11.57	**ND**	NA	**ND**	NA	**Negat.**
04	07-07-148-04	9x9 Red Fool Tile	34.31	43.53	18.84	**3.32**	Chrys.	**NA**	NA	**Posit.**
05	07-07-148-05	9x9 Red Fool Tile	35.65	43.50	20.85	**SAMPLE NOT ANALYZED**				
06	07-07-148-06	9x9 Red Fool Tile	35.14	39.31	25.55	**SAMPLE NOT ANALYZED**				
07	07-07-148-07	9x9 Cream Floor Tile under Red	29.27	7.25	53.95	**9.52**	Chrys.	**NA**	NA	**Posit.**
08	07-07-148-08	9x9 Cream Floor Tile under Red	32.81	15.50	51.69	**SAMPLE NOT ANALYZED**				
09	07-07-148-09	9x9 Cream Floor Tile under Red	34.13	15.70	50.18	**SAMPLE NOT ANALYZED**				
25	07-07-148-25	Red Roof Shingle	19.61	77.10	0.66	**2.63**	Chrys.	**NA**	NA	**Posit.**
26	07-07-148-26	Red Roof Shingle	23.70	71.39	4.92	**SAMPLE NOT ANALYZED**				

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-148
DATES OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse, Bldg 5
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/15/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
27	07-07-148-27	Red Roof Shingle	11.33	87.59	1.08	**SAMPLE NOT ANALYZED**				
28	07-07-148-28	Tar paper from ground, exterior	4.64	78.29	3.41	**13.66**	Chrys.	**NA**	NA	**Posit.**
29	07-07-148-29	Tar paper from ground, exterior	76.69	1.69	21.61	**SAMPLE NOT ANALYZED**				
30	07-07-148-30	Tar paper from ground, exterior	81.49	1.49	17.01	**SAMPLE NOT ANALYZED**				

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of LTS Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-024-01	COLOR	White	Pipe Insulation 1st Floor	0%	79%	21%CH TRACE AMOS
	# LAYERS	1				
		POINT				
02 07-07-024-02	COLOR	White	Pipe Insulation 2nd Floor			NA
	#LAYERS	1				
03 07-07-024-03	COLOR	White	Pipe Insulation 3rd Floor			NA
	#LAYERS	1				
04 07-07-024-04	COLOR	White	Pipe Insulation 4th Floor			NA
	# LAYERS	1				
05 07-07-024-05	COLOR	White	Boiler Insulation	0%	87%	13%CH
	# LAYERS	1				
		POINT				
06 07-07-024-06	COLOR	White	Boiler Insulation			NA
	# LAYERS					
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
07 07-07-024-07	COLOR	White	Boiler Insulation			NA
	#LAYERS	1				
14 07-07-024-14	COLOR	Grey	Transite Ceiling in Boiler Room	0%	72%	28%CH
	# LAYERS	1				
		POINT				
15 07-07-024-15	COLOR	Grey	Transite Ceiling in Boiler Room			NA
	# LAYERS	1				
16 07-07-024-16	COLOR	Grey	Transite Ceiling in Boiler Room			NA
	# LAYERS	1				
17 07-07-024-17	COLOR	Wh/Grey	Pipe Insulation 4th Floor	93%CELL	4.5%	2.5%CH
	# LAYERS	1				
		POINT				
18 07-07-024-18	COLOR	Wh/Grey	Pipe Insulation 4th Floor			NA
	# LAYERS	1				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
19 07-07-024-19	COLOR	Wh/Grey	Pipe Insulation 4th Floor			NA
	# LAYERS	1				
20 07-07-024-20	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
21 07-07-024-21	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
22 07-07-024-22	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
23 07-07-024-23	COLOR	Grey	Wall Plaster	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
24 07-07-024-24	COLOR	Grey	Wall Plaster	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
25 07-07-024-25	COLOR	Grey	Wall Plaster	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
26 07-07-024-26	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
27 07-07-024-27	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
28 07-07-024-28	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
29 07-07-024-29	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
30 07-07-024-30	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
31 07-07-024-31	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
32 07-07-024-32	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
33 07-07-024-33	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
34 07-07-024-34	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
38 07-07-024-38	COLOR	Wh/Br	12"x12" Ceiling Tile	99%CELL	1%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
39 07-07-024-39	COLOR	Wh/Br	12"x12" Ceiling Tile	98%CELL	2%	NAD
	# LAYERS	1				
	SCAN					
40 07-07-024-40	COLOR	Wh/Br	12"x12" Ceiling Tile	98%CELL	2%	NAD
	# LAYERS	1				
	SCAN					
44 07-07-024-44	COLOR	Wh/Br	Dry Wall on Ceiling	9%CELL 1%FBGL	90%	NAD
	# LAYERS	1				
	SCAN					
45 07-07-024-45	COLOR	Wh/Br	Dry Wall on Ceiling	7%CELL 1%FBGL	92%	NAD
	# LAYERS	1				
	SCAN					
46 07-07-024-46	COLOR	Wh/Br	Dry Wall on Ceiling	7%CELL 1%FBGL	92%	NAD
	# LAYERS	1				
	SCAN					

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Analyst: _____
A. Barengolts

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

TESTWEL ABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 5

Client: ROUX ASS. INC.

Project Site: LIGHTHOUSE POINT (Building #6)

Project Address: ONE LIGHTHOUSE PLAZA S.I., NY 10301

Report to: CHARLIE T.L.I.
Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-1-07 Analyst: (PLM) K. Mo/Lyn

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
1	4	INTER	1	1	PIPE INSULAT. FLOOR #1	N	F	WHITE		+		21% CH + TR AM
2				2	PIPE INSULATION FLOOR #2	N	F	WHITE				
3				3	PIPE INSULATION FLOOR #3.	N	F	WHITE				
4				4	PIPE INSULATION FLOOR #4	N	F	WHITE		+		17% CH +
5			2	1	BOILER INSULATION	N	F	WHITE				
6				2	~~[illegible]~~ ~~FLOOR TILE~~	~~N~~	~~F~~	~~GREEN~~				
7				3								
8			3	1	9x9 2ND FLOOR FLOOR TILE	N	N	GREEN				
9				2								
10				3								

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/1/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Building #6

Project Address: One Lighthouse Plaza S.I., NY 10301

Report to: CHARLIE T.L.T

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. Mavigos

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
11	1/4	INT.	4	1	2nd MASTIC. FLOOR	N	F ?	BLACK				
12				2			?					
13				3			2					
14			5	1	TRANSITE SIDING IN BOILER ROOM	N	F	GRAY		+		
15				2								
16				3								
17			6	1	PIPE INSULATION (PAPER) 4 FLOOR	Y	N	WHITE		+		
18				2								
19				3								
20			7	1	FIRST layer WALL PLASTER	N	F	WHITE				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 3 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Build. #6

Project Address: One Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.T

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-BOVAGNO

Date Analyzed: Analyst: (TEM) Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
21	1-4	INTER	7	2	WALL PLASTER	N	F	WHITE				
22				3								
23			8	1	WALL PLASTER	N	F	GRAY				
24				2								
25				3								
26			9	1	CIELING PLASTER	N	F	WHITE				
27				2								
28				3								
29			10	1	CIELING PLASTER	N	F	GRAY				
30				2								

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 5

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT Bentley #6
Project Address: ONE Lighthouse PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/2/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) [illegible]
Date Analyzed: Analyst: (TEM)
Batch # [illegible]

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
31	1/4	INTOR	10	3	CEILING PLASTER	N	F	GRAY				
32			11	1	BRICK MORTER	N	F	LIGHT BROWN				
33				2								
34				3								
35			12	1	1ST FLOOR WALLCOVER	N	N	GREEN				
36				2								
37				3								
38			13	1	12"x12" CEILING TILE	N	N ?	WHITE BROWN				
39				2			2					
40				3			2					

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE. LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 5 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Bldg. #6

Project Address: One Lighthouse Plaza S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-02 Analyst: (PLM) A. Rodriguez

Date Analyzed: Analyst: (TEM) Batch #07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
41	1/4	INTER	14	1	Ceiling Tile glue	N	N	BROWN				
42	↓	↓	↓	2	↓	↓	↓	↓				
43			↓	3	↓	↓	↓	↓				
44			15	1	DRY WALL ON CEILING	N	F	WHITE				
45			↓	2	↓	↓	↓	↓				
46			↓	3	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adil Anwar	7/6/02	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
8	07-07-024-08	2nd Floor 9x9 Floor Tile	28.49	36.71	31.31	**3.48**	Chrys.	**NA**	NA	**Posit.**
9	07-07-024-09	2nd Floor 9x9 Floor Tile	28.14	28.82	33.04	**SAMPLE NOT ANALYZED**				
10	07-07-024-10	2nd Floor 9x9 Floor Tile	28.75	38.73	32.52	**SAMPLE NOT ANALYZED**				
11	07-07-024-11	2nd Floor Mastic	83.95	1.23	14.81	**ND**	NA	**ND**	NA	**Negat.**
12	07-07-024-12	2nd Floor Mastic	86.96	4.35	8.70	**ND**	NA	**ND**	NA	**Negat.**
13	07-07-024-13	2nd Floor Mastic	88.00	8.00	4.00	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
17	07-07-024-17	4th Floor Pipe Insulation (Paper)	17.35	0.62	45.61	**36.42**	Chrys.	**NA**	NA	**Posit.**
18	07-07-024-18	4th Floor Pipe Insulation (Paper)	16.67	0.55	82.79	**SAMPLE NOT ANALYZED**				
19	07-07-024-19	4th Floor Pipe Insulation (Paper)	59.27	9.68	31.05	**SAMPLE NOT ANALYZED**				
35	07-07-024-35	1st Floor Wall Cover	92.02	4.23	3.76	**ND**	NA	**ND**	NA	**Negat.**
36	07-07-024-36	1st Floor Wall Cover	93.19	4.08	2.72	**ND**	NA	**ND**	NA	**Negat.**
37	07-07-024-37	1st Floor Wall Cover	92.65	4.23	3.13	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Lab
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
41	07-07-024-41	Ceiling Tile Glue	50.47	1.99	47.54	**ND**	NA	**ND**	NA	**Negat.**
42	07-07-024-42	Ceiling Tile Glue	53.22	1.29	45.49	**ND**	NA	**ND**	NA	**Negat.**
43	07-07-024-43	Ceiling Tile Glue	47.28	51.70	1.02	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
04 07-07-025-04	COLOR	Red	Mortar between brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
05 07-07-025-05	COLOR	Red	Mortar between brick	0%	100%	NAD
	#LAYERS	1				
	SCAN					
06 07-07-025-06	COLOR	Red	Mortar between brick	0%	100%	NAD
	#LAYERS	1				
	SCAN					
07 07-07-025-07	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
08 07-07-025-08	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
09 07-07-025-09	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS					
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
10 07-07-025-10	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	#LAYERS	1				
	SCAN					
11 07-07-025-11	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
12 07-07-025-12	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
13 07-07-025-13	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
14 07-07-025-14	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
15 07-07-025-15	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
19 07-07-025-19	COLOR	White	Pipe Insulation	2%FBGL	86.5%	11.3%CH Trace AMOS
	# LAYERS	1				
		POINT				
20 07-07-025-20	COLOR	White	Pipe Insulation			NA
	# LAYERS	1				
21 07-07-025-21	COLOR	White	Pipe Insulation			NA
	# LAYERS	1				
25 07-07-025-25	COLOR	Gray	Wall plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				
26 07-07-025-26	COLOR	Grey	Wall plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
27 07-07-025-27	COLOR	Grey	Wall Plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				
28 07-07-025-28	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
29 07-07-025-29	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
30 07-07-025-30	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
31 07-07-025-31	COLOR	White	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
32 07-07-025-32	COLOR	White	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
33 07-07-025-33	COLOR	Grey	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
34 07-07-025-34	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
35 07-07-025-35	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
36 07-07-025-36	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
58 07-07-025-58	COLOR	Brown	12x12 ceiling tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					
59 07-07-025-59	COLOR	Brown	12x12 ceiling tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
60 07-07-025-60	COLOR	Brown	12"x12" Ceiling Tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					
64 07-07-025-64	COLOR	Wh/Br	Dry Wall	9%CELL 1%FBGL	90%	NAD
	# LAYERS	1				
	SCAN					
65 07-07-025-65	COLOR	Wh/Br	Dry Wall	10%CELL 2%FBGL	88%	NAD
	# LAYERS	2				
	SCAN					
66 07-07-025-66	COLOR	Wh/Br	Dry Wall	10%CELL 2%FBGL	88%	NAD
	# LAYERS	2				
	SCAN					
70 07-07-025-70	COLOR	Brown	Paper pipe insulation	99.25%CELL	0%	0.75%CH
	# LAYERS	2				
		POINT				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

Analyst: _____
A. Barengolts

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWEI LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 7

Client: ROUX ASS. INC.

Project Site: LIGHTHOUSE POINT (Building #7)

Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I (Name / Company / Tel/Fax)

Project #: PNT-026AB

Date: 8/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-BARRERGOS

Date Analyzed: Analyst: (TEM) Batch #07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (-)
1	GROUND	EXTER	1	1	3rd wall TRANSITE COVER	Y	N	BLACK				
2	↓	↓	↓	2	↓	↓	↓	↓				
3	↓	↓	↓	3	↓	↓	↓	↓				
4	↓	↓	2	1	MORTER betw. BRICK	N	F	RED				–
5	↓	↓	↓	2	↓	↓	↓	↓				–
6	↓	↓	↓	3	↓	↓	↓	↓				–
7	↓	↓	3	1	MORTER between block	N	F	GRAY				–
8	↓	↓	↓	2	↓	↓	↓	↓				–
9	↓	↓	↓	3	↓	↓	↓	↓				–
10	↓	↓	4	1	decoration on Block	N	F	dark GRAY				–

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
[signature]			[signature]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody ~~Page~~ 2 of 7

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT
Project Address: ONE Lighthouse PLAZA S.I, NY10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-Bovegos
Date Analyzed: Analyst: (TEM) Batch #07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
10	GROU	EXT.	4	2	decoration on Block	N	F	dark gray				−
12	↓	↓	↓	3	↓	↓	↓	↓				−
13	↓	↓	5	1	plaster on the Brick	N	F	WHITE				−
14	↓	↓	↓	2	↓	↓	↓	↓				−
15	↓	↓	↓	3	↓	↓	↓	↓				−
16	1 ↓ 3	INTER	6	1	MASTIC on wood floor.	N	N	black				
17	↓	↓	↓	2	↓	↓	↓	↓				
18	↓	↓	↓	3	↓	↓	↓	↓				
19	↓	↓	7	1	PIPE INSULATION	N	F	WHITE				+ 11.5% CH 0.45% AM
20	↓	↓	↓	2	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adi Aryan	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEI LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 7

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB

Date: 8/3/7

Inspector: SFIBENFO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARGER

Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
21	1,3	INTER	7	3	PIPE INSULATION	N	F	WHITE				
22			8	1	COVER pipe INSULATION	N	N ?	WHITE				–
23				2			?					–
24				3			2					–
25			9	1	WALL PLASTER	N	F	GRAY				– trace CH
26				2								– trace CH
27				3								– trace CH
28			10	1	WALL PLASTER	N	F	WHITE				–
29				2								–
30				3								–

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SFIBENFO			Adil Anjali	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARERGUY
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
31	1 13	INTER	11	1	Ceiling PLASTER	N	F	WHITE				–
32	↓	↓	↓	2	↓	↓	↓	↓				–
33			↓	3	↓	↓	↓	↓				–
34			12	1	Ceiling PLASTER	N	F	GRAY ~~WHITE~~				– trace CU
35			↓	2	↓	↓	↓	↓				– trace CU
36			↓	3	↓	↓	↓	↓				– trace CU
37			13	1	GREEN 9X9 FLOOR TILE	N	N	GREEN				
38			↓	2	9X9 ↓	↓	↓	~~Light~~ BROWN				
39			↓	3	↓	↓	↓	↓				
40	↓	↓	14	1	9X9 FLOOR TILE	N	N	Light Brown				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SKIBENKO			Adil Arpasi	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 5 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-MARCOS
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
41	1/3	INTER	14	2	9x9 FLOOR TILE	N	N	LIGHT BROWN				
42				3								
43			15	1	MASTIC.	N	F ?	BLACK				
44				2			?					
45				3			?					
46			16	1	9x9 FLOOR TILE	N	N	GREEN				
47				2								
48				3								
49			17	1	MASTIC.	N	F ?	BLACK				
50				2			?					

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adel Amari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWF LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 6 of 7

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT

Project Address: One Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I (Name / Company / Tel/Fax)

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARREMAN

Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
51	1/3	Ext.	17	3	MASTIC ~~9x9 Floor tile~~	N	F?	BLAC?				
52			18	1	9x9 FLOOR TILE	N	N	GRAY				
53			↓	2	↓	↓	↓	↓				
54			↓	3	↓	↓	↓	↓				
55			19	1	Glue Ceiling TILE 12"x12"	~~Brown~~	F?	Brown				
56			↓	2	↓	N	↓ ?	↓				
57			↓	3	↓	↓	↓ ?	↓				
58			20	1	Ceiling TILE 12"x12"	Y	N	Light Brown				−
59			↓	2	↓	↓	↓	↓				−
60			↓	3	↓	↓	↓	↓				−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adil Ansari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I., NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-02 Analyst: (PLM) A. BARENCOW
Date Analyzed: Analyst: (TEM)
Batch #07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
61	1/3	INT.	21	1	9x9 FL. TIL.	N	N	WHITE				
62	↓	↓	↓	2	↓	↓	↓	↓				
63	↓	↓	↓	3	↓	↓	↓	↓				
64	↓	↓	22	1	PAPER ON THE FLOOR 3rd FLOOR	N	N	BLACK				
65	↓	↓	↓	2	↓	↓	↓	↓				
66	↓	↓	↓	3	↓	↓	↓	↓				
67	↓	↓	23	1	DRY WALL	N	F	WHITE				−
68	↓	↓	↓	2	↓	↓	↓	↓				−
69	↓	↓	↓	3	↓	↓	↓	↓				−
70	↓	↓	24	1	PAPER PIPE INSULATION							− 0.158 c4

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adel Ampa	7/6/02	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/06/07

PROJECT: Roux Associates Inc., Lighthouse Point
DATE OF REPORT:07/12/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-028-01	COLOR	White	Pipe insulation cover, interior	98%SY	2%	NAD
	# LAYERS	1				
	SCAN					
02 07-07-028-02	COLOR	White	Pipe insulation cover, interior	97%SY	3%	NAD
	# LAYERS	1				
	SCAN					
03 07-07-028-03	COLOR	White	Pipe insulation cover, interior	97%SY	3%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/06/07

PROJECT: Roux Associates Inc., Lighthouse Point
DATE OF REPORT:07/12/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
04 07-07-028-04	COLOR	White	Pipe insulation, interior	0%	86%	14%CH
	# LAYERS	1				
		POINT				
05 07-07-028-05	COLOR		Pipe insulation, interior			NA
	# LAYERS					
06 07-07-028-06	COLOR		Pipe insulation, interior			NA
	# LAYERS					

Analyst: _____
Joanna Lacey

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #8

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/3/7

Inspector: SFIBENFO

Signature:

Date Analyzed: 7-6-02 Analyst: (PLM) A. Bouyos Batch # 07-07-028

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
1	~~Gr~~	~~Extr.~~	1	1	PIPE INSULATION	N	F?	WHITE				−
2	~~Gr~~		↓	2	COVER.	↓	↓ ?	↓				−
3	1/4		↓	3	↓	↓	↓ ?	↓				−
4			2	1	PIPE INSULATION	N	F	WHITE				+ 14% CH TRAN
5			↓	2	↓	↓	↓	↓				
6			↓	3	↓	↓	↓	↓				
7			3	1	TRANSITE ROOF	N	N	GRAY				
8			↓	2	ON ATIC.	↓	↓	↓				
9			↓	3	↓	↓	↓	↓				
10	↓	↓	4		9x9 FLOOR TAL 1ST FLOOR	N	N	light BROWN				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A SKIBENKO			Adil Ansari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #8

Project Address: ONE Lighthouse PLAZA S.I, NY10301

Report to: CHARLIE T.L.I (Name / Company / Tel/Fax)

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. Marlyn

Date Analyzed: Analyst: (TEM) Batch # 07-07-028

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
11	1/4	INTER	4	2	9x9 1ST Floor ~~Tiles~~	N	N	~~Green~~				
12	↓	↓	↓	3	FLOOR TILE	↓	↓	Light Brown				
13	↓	↓	5	1	MASTIC	N	N	BLACK				
14	↓	↓	↓	2	↓	↓	↓	↓				
15	↓	↓	↓	2	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adil Anani	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-028
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building #8
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
7	07-07-028-07	Transite Roof on Attic	1.71	4.69	93.60	**ND**	NA	**ND**	NA	**Negat.**
8	07-07-028-08	Transite Roof on Attic	0.55	4.58	94.87	**ND**	NA	**ND**	NA	**Negat.**
9	07-07-028-09	Transite Roof on Attic	0.58	3.51	95.91	**ND**	NA	**ND**	NA	**Negat.**
10	07-07-028-10	9x9 Floor Tile on 1st Floor	35.42	21.19	39.62	**3.77**	Chrys.	**NA**	NA	**Posit.**
11	07-07-028-11	9x9 Floor Tile on 1st Floor	35.96	19.92	44.11	**SAMPLE NOT ANALYZED**				
12	07-07-028-12	Floor Tile	36.50	15.56	47.93	**SAMPLE NOT ANALYZED**				

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-028
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building #8
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
13	07-07-028-13	Mastic	86.41	8.41	5.18	**ND**	NA	**ND**	NA	**Negat.**
14	07-07-028-14	Mastic	88.51	9.79	1.70	**ND**	NA	**ND**	NA	**Negat.**
15	07-07-028-15	Mastic	87.60	10.74	1.65	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

APPENDIX B

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY LEAD BASED PAINT

C/ 3010 -00
CM16559

Testwell Laboratories, Inc.
47 HUDSON STREET, OSSINING, NEW YORK 10562 TEL: (914) 762-9000/FAX: (914) 762-9638

SAMPLE DATA FORM/CHAIN OF CUSTODY

PAGE 1 OF 1

CLIENT NAME: Roux
CLIENT ADDRESS:
PROJECT SITE: 51 LIGHTHOUSE
CONTACT NAME & PHONE #: CHARLES SCHNUGG (TLI) (914) 762-9638
NAME / COMPANY / TEL/FAX

PROJECT NO. PAT-026.
SAMPLED BY TLI
TURNAROUND TIME REQUESTED
STATE REPORTED TO NY
REPORTING REQUIREMENTS (CIRCLE ONE)* Level A Level B Level C

CLIENT/FIELD SAMPLE #	LAB SAMPLE #	EXACT SAMPLE LOCATION	SAMPLE MATRIX	DATE OF SAMPLE	TIME SAMPLED	SAMPLE VOLUME	ANALYSIS REQUESTED	ANALYTICAL METHOD	PRESERVE ADDED
01		VAULT #6 WHITE PAINT	CHIP	7/19			Pb%	<0.01	
02		VAULT #3 WHITE PAINT	CHIP	7/19			Pb%	<0.01	
03		BLDG #5 EXTERIOR GREEN PAINT	CHIP	7/19			Pb%	0.2	
04		BLDG #5 EXTERIOR WINDOW FRAME PAINT	CHIP	7/19			Pb%	4.0	
05		BLDG #5 INTERIOR GREEN WALL PAINT	CHIP	7/19			Pb%	9.2	

COMMENTS:

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
[illegible]	7/26/07		[illegible]	7/27/07	12:00
RECEIVED BY:	DATE:	TIME:	RELINQUISHED BY:	DATE:	TIME:

LEVEL A: Data Summary Sheet Only
LEVEL B: Data Summary Sheet, Instrument Quantitation Reports
LEVEL C: Complete Analytical Data Package (Tier III)

Recal. by T Mud 7/30/7

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-057
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416330

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 5 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/02/2007 0416330-001	Ground Exterior	Green	10.8
2 07/02/2007 0416330-002	Ground Exterior	Light Green	4.2

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07-5016-057
046330

Client: ROUX ASS. INC.

Project #: PNT-026AB

Project Site: Lighthouse POINT Build #5

Date: 7/12/07

Project Address: ONE Lighthouse PLAZA S.I, NY10301

Inspector: SFIBENTO

Report to: CHARLIE T.L.I
Name Company Tel/Fax

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
#1	Grnd	Exter		1	APPER TRIM			GREEN		10.8 %		
#2	↑	↓		1	~~GREEN~~ WALL			Light green		4.2 %		
							Anal. by TMut			7/11/07	18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SCIBENTO			[signature]	7/12/07	14:15
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-059
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416332

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 6, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/03/2007 0416332-001	Paint From Door	Black/Light Brown	1.9
2 07/03/2007 0416332-002	Paint From Window	Green/White	0.7
3 07/03/2007 0416332-003	Door	Gray	7.8
4 07/03/2007 0416332-004	Pipe Fire	Red	0.7
5 07/03/2007 0416332-005	Wall Column	Light Blue	0.1
6 07/03/2007 0416332-006	Column	Beige	0.3
7 07/03/2007 0416332-007	Stairway Risers	Black	2.1
8 07/03/2007 0416332-008	Stairway Stringer	Gray/Red	3.5
9 07/03/2007 0416332-009	Ceiling 2nd Floor	Blue/Beige	1.5
10 07/03/2007 0416332-010	Column 2nd Floor/ Wall	Green/Beige	1.6
11 07/03/2007	Wall	Light Brown/Gre	0.5

Approved Signatory
Report Date: July 12, 2007

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-059
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416332

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 6, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
0416332-011		en	
12 07/03/2007 0416332-012	Wall		1.1

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

07-3916-039 0416332

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #6

Project Address: ONE Lighthouse PLAZA S.I, NY10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/17

Inspector: SKIBENKO

Signature:

Date Analyzed: Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

Lead.

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (−)
#1	1/3	INTER		1	PAINT FROM door			BLACK - LIBROWN		1.9	%	
#2				1	PAINT FROM WINdow			GREEN WHITE	BLACK	0.7		
#3				1	door			GRAY.		7.8		
#4				1	pipe FIRE			RED		0.7		
#5				1	WALL & COLUMN			light blue		0.1		
#6				1	BEAM & COLUMN			Beg.		0.3		
#7				1	STAIRWAY (RISERS)			BLACK		2.1		
#8				1	STAIRWAY (STRINGER)			GRAY RED		3.5		
#9				1	CIELING 2ND Floor			BLUE beg.		1.5		
#10				1	COLUMN/WALL 2nd Flor			GREEN beg.		1.6		

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[signature]	7/16/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

Anal. by TOut 7/11/07 18:00

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Build 6

Project Address: One Lighthouse Plaza S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (-)
#11	3rd	INTER			WALL			Light Green Green		0.5 %		
#12	4th	↓			WALL			e/ow		1.1 %		
							Anal. by TMA			7/11/07	18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/10/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-058
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416331

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 7 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/03/2007 0416331-001	Interior/ Floor 1/4/ Window	Green/White	0.3
2 07/03/2007 0416331-002	Interior/ Floor 1/4/ Door	Gray/Green	0.4
3 07/03/2007 0416331-003	Interior/ Floor 1/4/ Wall	Blue	0.1
4 07/03/2007 0416331-004	Interior/ Floor 1/4/ Stairway	Gray	2.1
5 07/03/2007 0416331-005	Interior/ Floor 1/4/ Temporary Wall	Yellow	0.03
6 07/03/2007 0416331-006	Interior/ Floor 1/4/ Wall on Stair	Brown	17.1
7 07/03/2007 0416331-007	Interior/ Floor 1/4/ Door 3rd Floor	White	0.5
8 07/03/2007 0416331-008	Interior/ Floor 1/4/ Window	Light Blue	12.7

Approved Signatory
Report Date: July 12, 2007

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-058
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416331

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 7 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07501b-058
041633

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #7

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (-)
1	1/4	Inter		1	WINDOW			GREEN WHITE		0.3%		
2				1	~~wall~~ door			GRAY GREEN	L. GREEN	0.4		
3				1	WALL			blue.		0.1		
4				1	STAIRWAY			GRAY		2.1		
5				1	TEMPORARY WALL			ellow		0.03		
6				1	WALL ON STAIR.			brown		17.1		
7				1	door 3d Floor			WHITE		0.5		
8				1	WINDOW			Light blue		(TM) 12.7 ~~3.5~~		
						Anal. by		T Mot	7/11/07	18:00		

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[signature]	7/10/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-056
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416329

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 8, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
01 07/02/2007 0416329-001	Interior Floor 1/4	Red/Light Brown	18.8
02 07/02/2007 0416329-002	Interior Floor 1/4	Black	3.8
03 07/02/2007 0416329-003	Interior Floor 1/4	Dark Gray	50.2

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07-546-056
0416329

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Bld. #8

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

leas

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
01	1/4	INTER		1	DOOR			~~ROOF~~ L. BROWN		18.8%		
02	↓	↓		1	ON WALL			BLACK		3.8%		
03	↓	↓		1	ON WINDOW			dark GRAY		50.2%		
						Anal. by T Mat			7/11/07		18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Matt Q	7/10/07	14:15
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

APPENDIX C

SITE PHOTOGRAPHS

BUILDING 3 PHOTO 1 – NON-ASBESTOS CONTAINING ASPHALT SHINGLES

BUILDING 3 PHOTO 2 - 5 GALLON CANS WITH DRIED ROOF CEMENT (ASSUMED ASBESTOS CONTAINING)

BUILDING 5 PHOTO 1 – LEAD BASED PAINT ON FAÇADE

BUILDING 5 PHOTO 2 – LEAD BASED PAINT ON WALLS

BUILDING 5 PHOTO 3 – ACM 9X9 FLOOR TILE UNDER NON-ASBESTOS DEBRIS ON FLOOR

BUILDING 6 PHOTO 1 – 9X9 ASBESTOS FLOOR TILE

BUILDING 6 PHOTO 2 – ASBESTOS PIPE INSULATION

BUILDING 6 PHOTO 3 – ASBESTOS BOILER (TANK) INSULATION

BUILDING 7 PHOTO 1 – MULTI-COLORED ASBESTOS FLOOR TILE/MASTIC

BUILDING 7 – ASBESTOS PIPE INSULATION

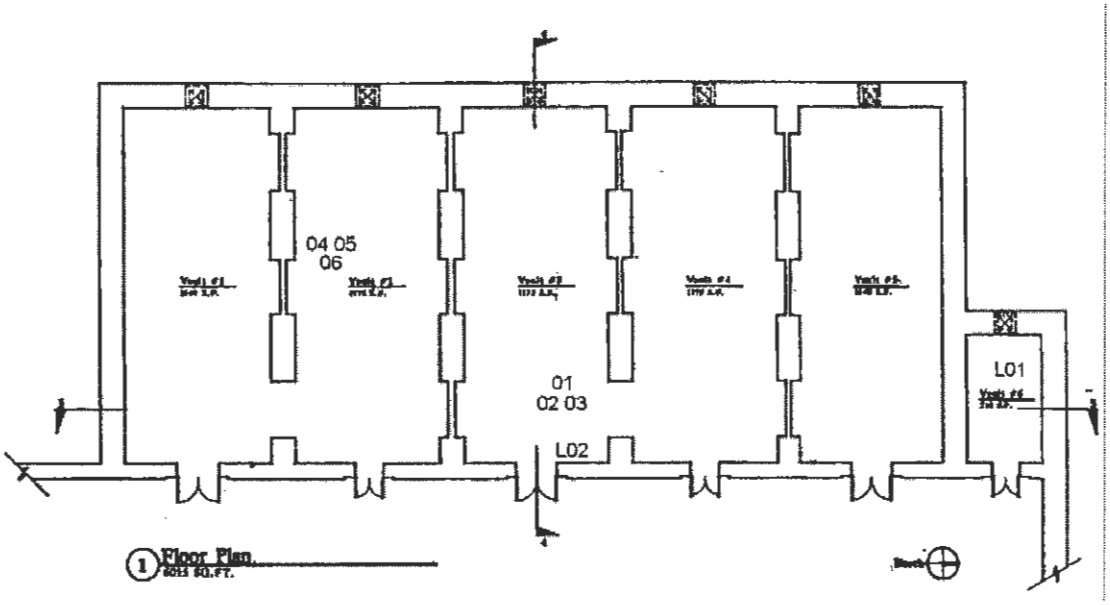
BUILDING 8 – ASBESTOS PIPE INSULATION

BUILDING 8 – ASBESTOS PIPE INSULATION (ON FLOOR)

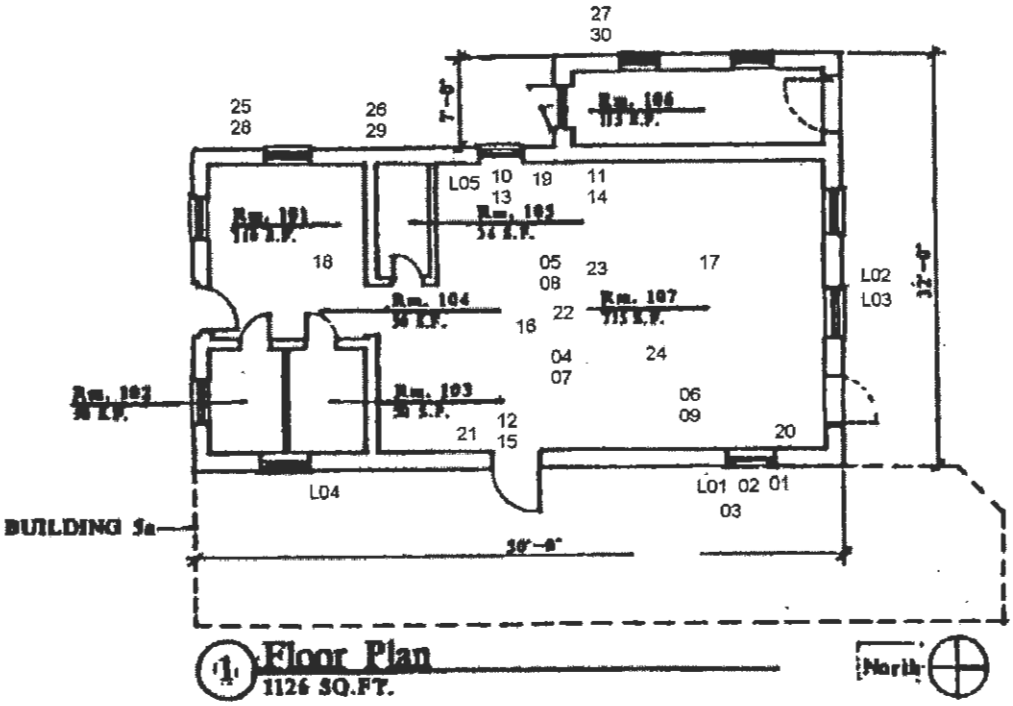
BUILDING 8 – ASBESTOS PIPE INSULATION IN ATTIC

APPENDIX D

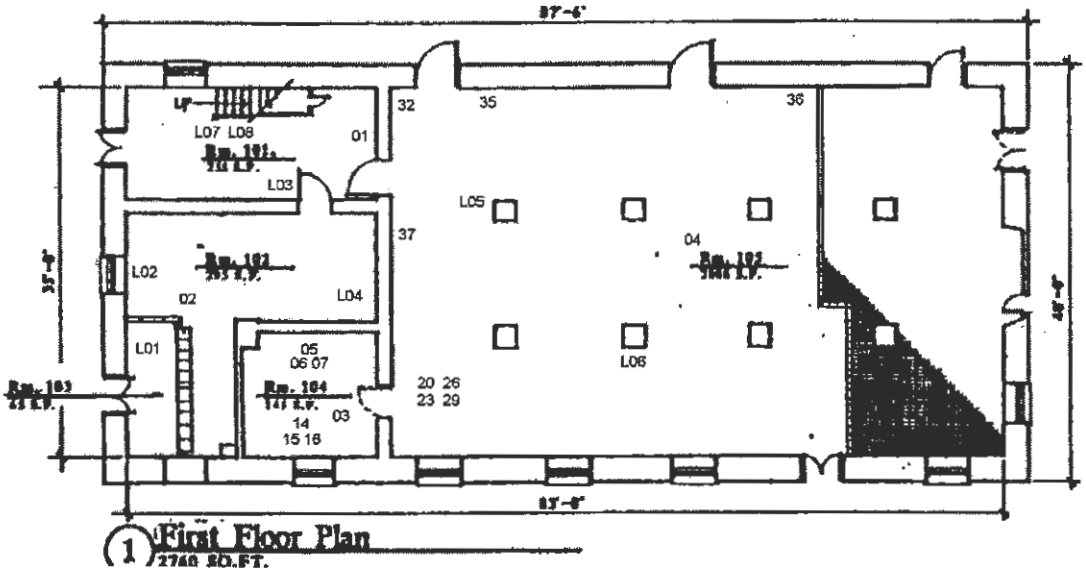
SAMPLE LOCATION PLANS



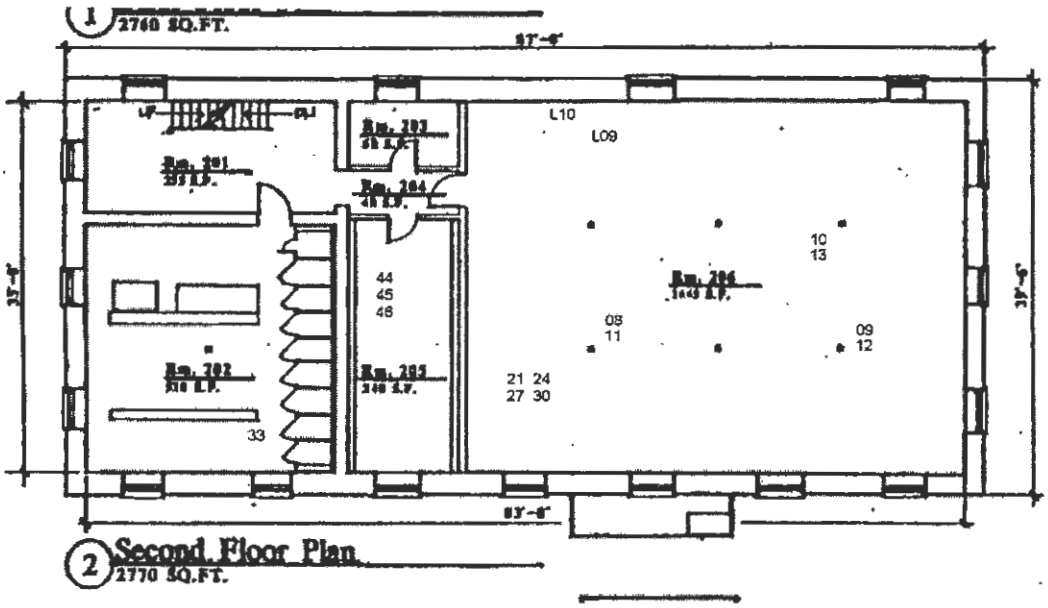
BUILDING 3 (VAULTS) - BULK SAMPLE LOCATION PLAN



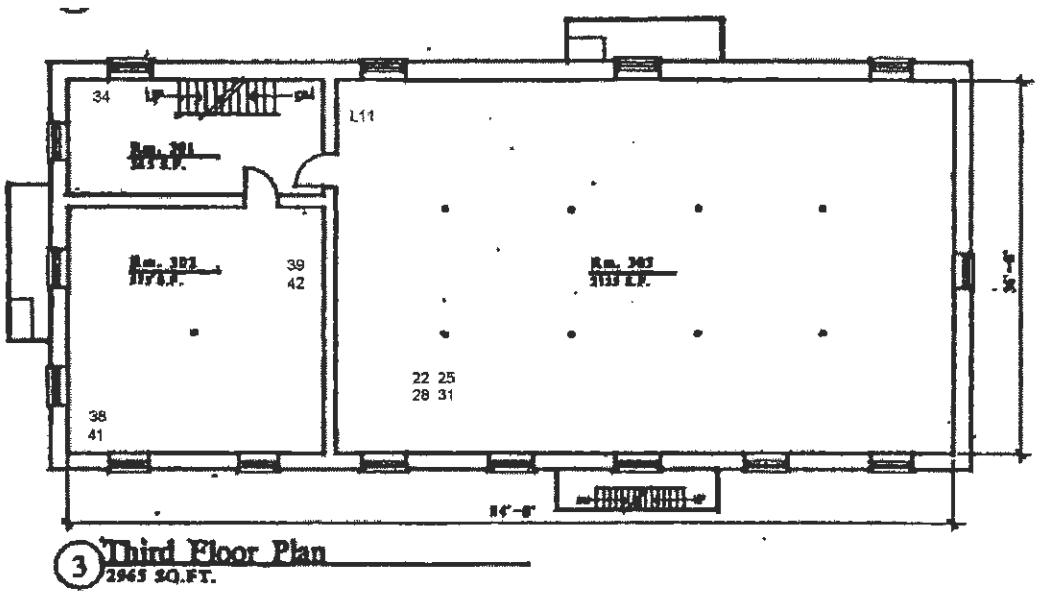
BUILDING 5 – BULK SAMPLE LOCATION PLAN



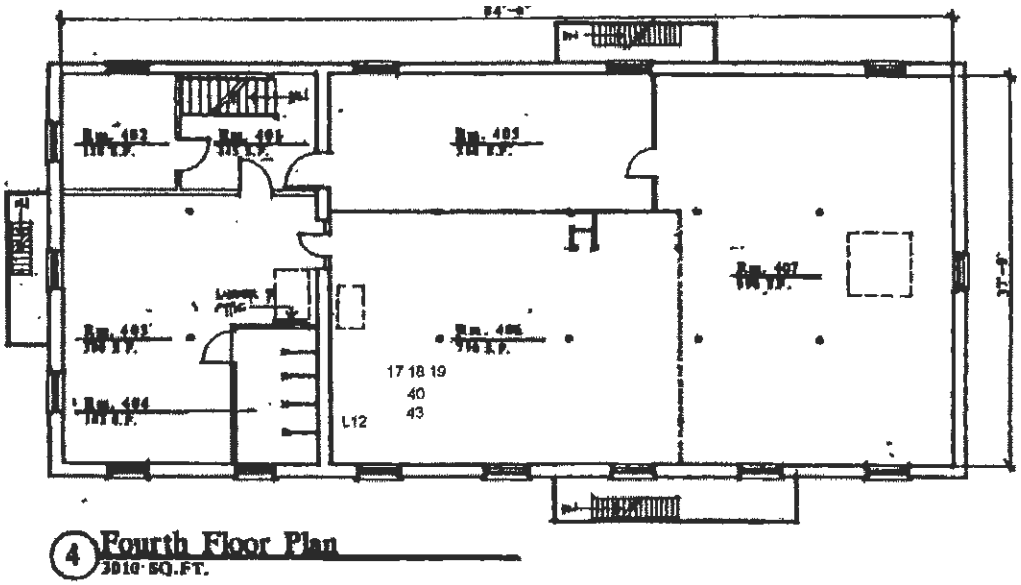
BUILDING 6 1ST FLOOR – BULK SAMPLE LOCATIONS



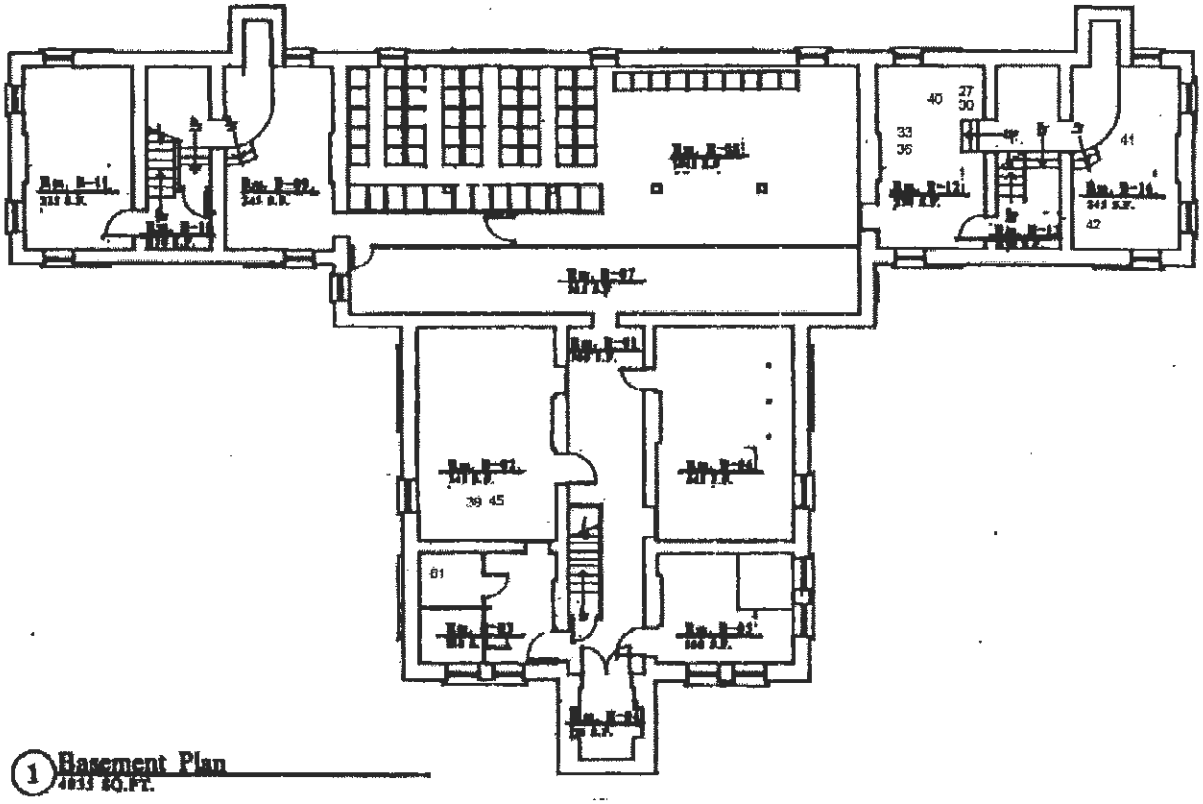
BUILDING 6 2ND FLOOR – BULK SAMPLE LOCATIONS



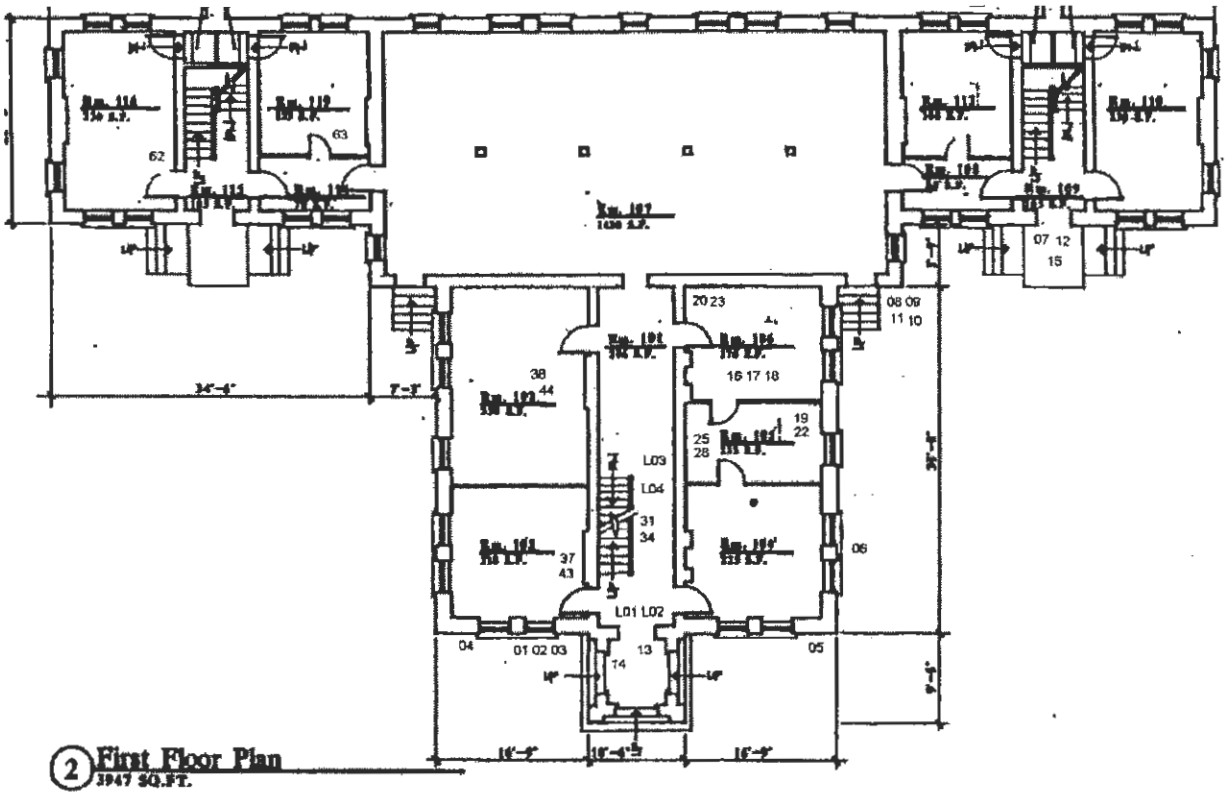
BUILDING 6 3RD FLOOR – BULK SAMPLE LOCATIONS



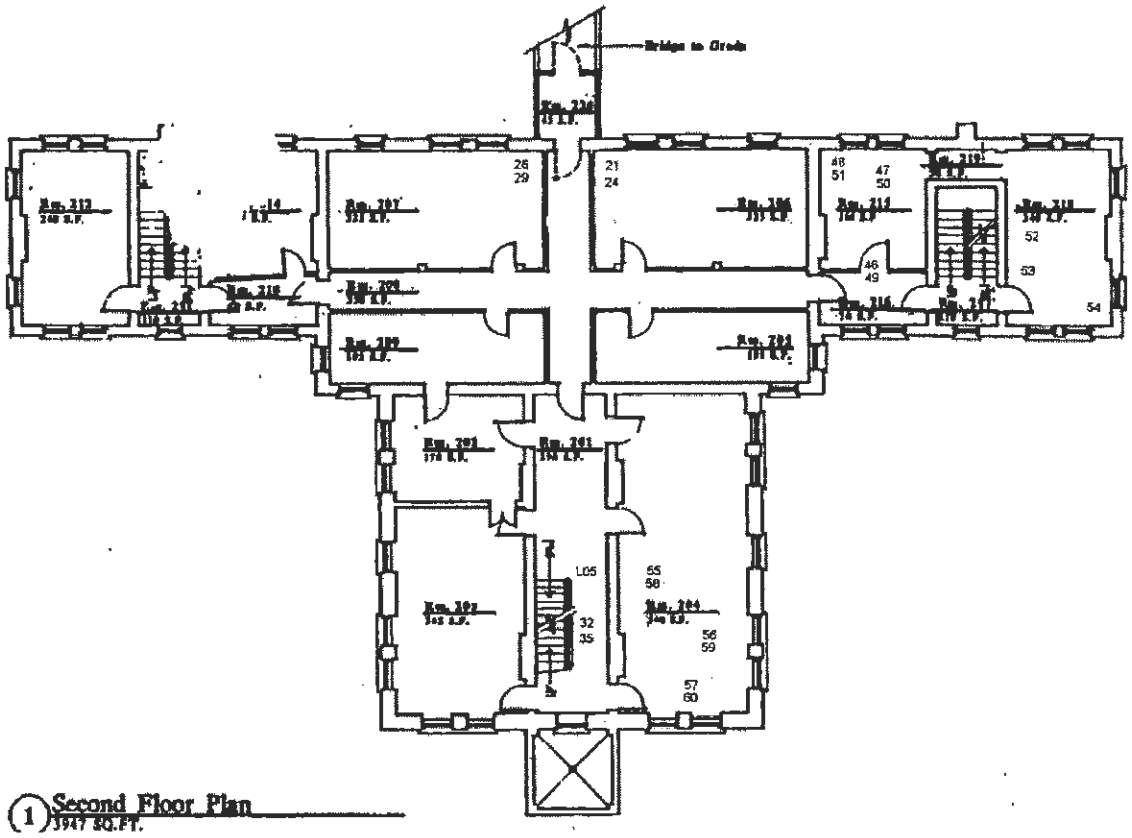
BUILDING 6 4TH FLOOR – BULK SAMPLE LOCATIONS



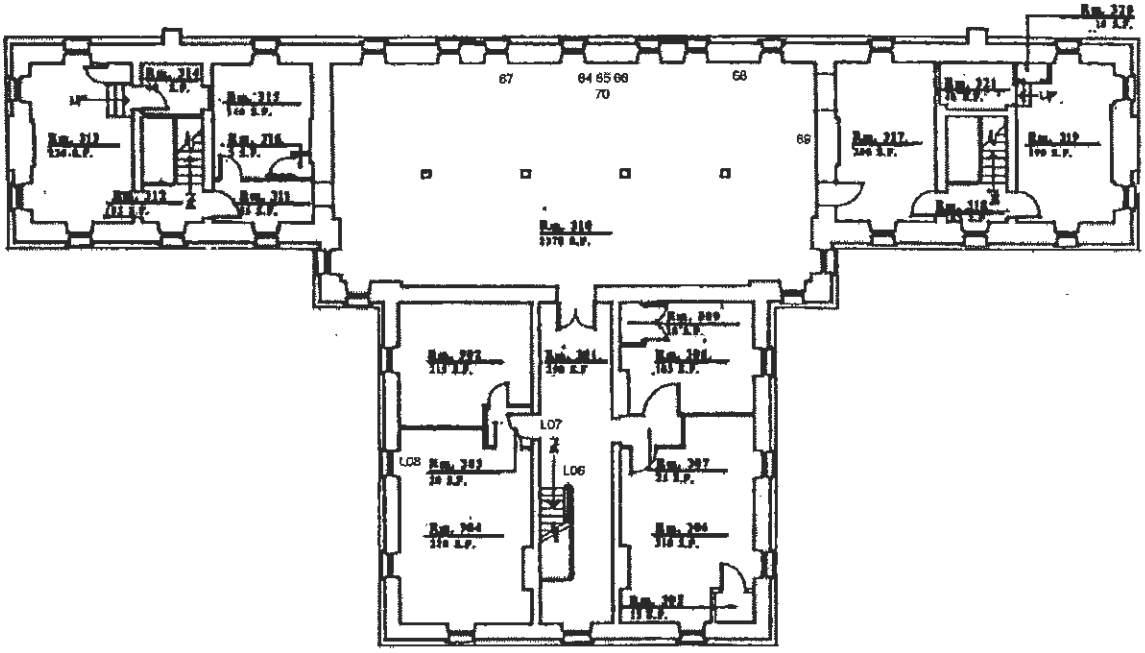
BUILDING 7 BASEMENT – BULK SAMPLE LOCATIONS



BUILDING 7 1ST FLOOR- BULK SAMPLE LOCATIONS

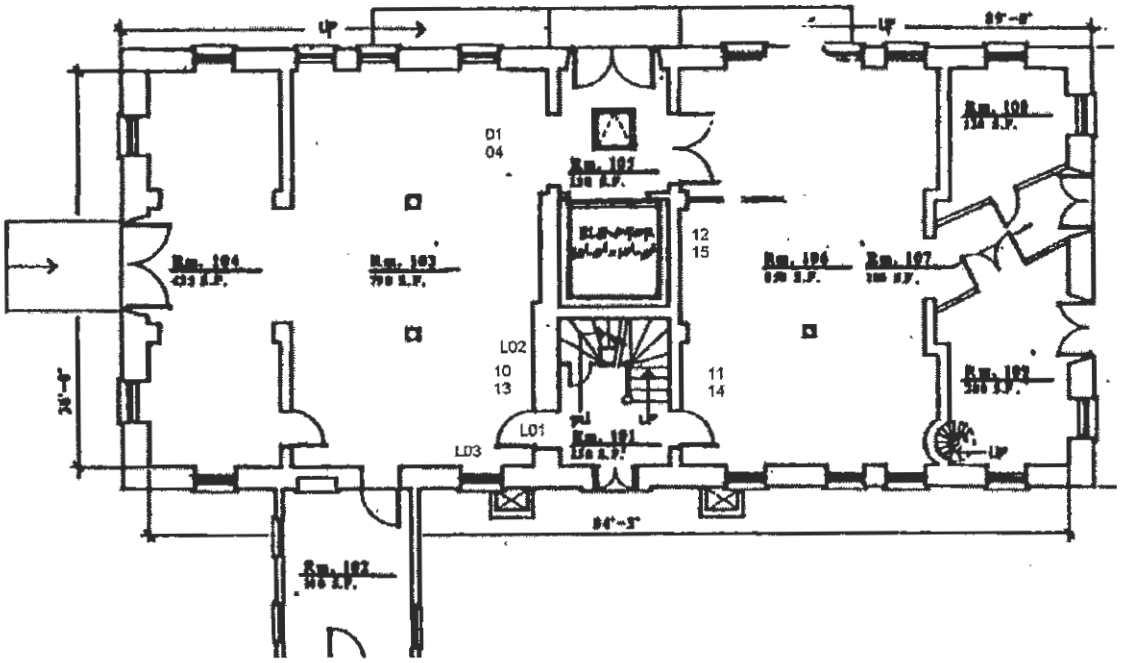


BUILDING 7 2ND FLOOR – BULK SAMPLE LOCATIONS

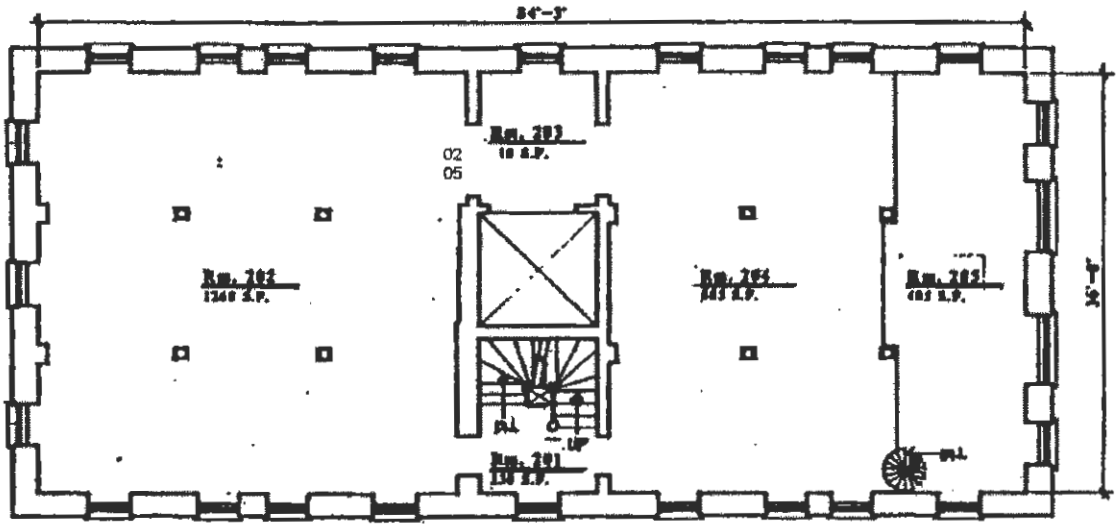


2 Third Floor Plan
3730 SQ.FT.

BUILDING 7 3RD FLOOR – BULK SAMPLE LOCATIONS

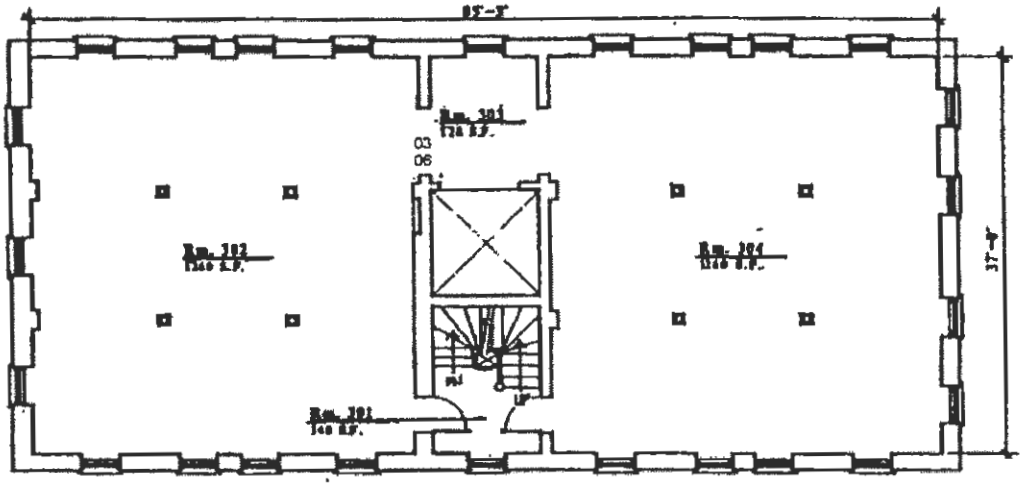


BUILDING 8 1ST FLOOR – BULK SAMPLE LOCATIONS



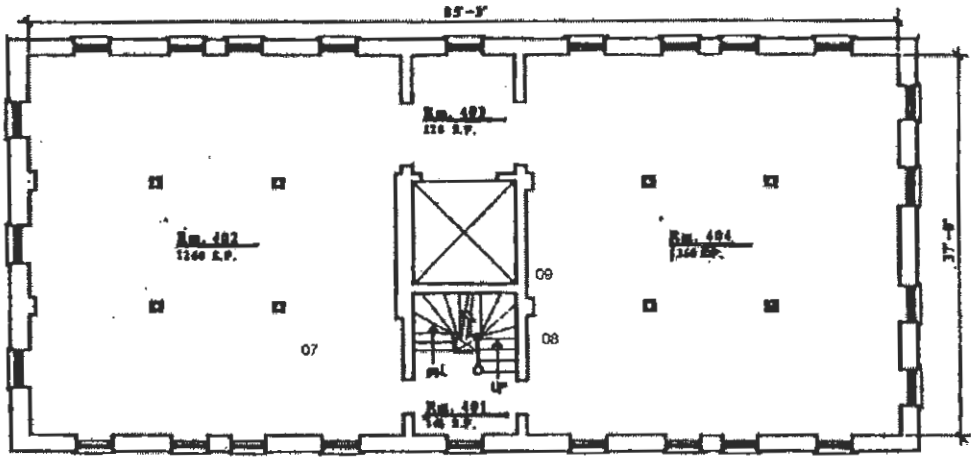
3 Second Floor Plan

BUILDING 8 2ND FLOOR – BULK SAMPLE LOCATIONS



4 Third Floor Plan
2788 SQ.FT.

BUILDING 8 3RD FLOOR – BULK SAMPLE LOCATIONS



5 Fourth Floor Plan
2788 SQ.FT.

BUILDING 8 4TH FLOOR – BULK SAMPLE LOCATIONS

APPENDIX E

COMPANY LICENSE
CREDENTIALS OF INSPECTORS
LABORATORY CERTIFICATIONS

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

RESTRICTED LICENSE
Asbestos Removal Not Permitted

ASBESTOS HANDLING LICENSE

Contractor: **TESTWELL LABORATORIES, INC.**
47 HUDSON STREET
OSSINING, NY 10562

LICENSE NUMBER: 99-1096
DATE OF ISSUE: 12/15/[illegible]
EXPIRATION DATE: 12/31/2007

Duly Authorized Representative: **CHARLES SCHNUGG**

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 certifies 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.

SH 432 (6-03)

Anthony Germano, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ALEKSANDR V SKIBENKO
CLASS(EXPIRES)
C-AHEC(10/07) D-NSP(10/07)
H-PM (10/07)

CERT# 98-03883
DMV# 511758803
MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

CHARLES SCHNUGG
CLASS(EXPIRES)
D-NSP(01/08) E-NSPL(01/08)
I-PM (01/08)

CERT# 99-00815
DMV# 891638169
MUST BE CARRIED ON ASBESTOS PROJECTS

United States Environmental Protection Agency

This is to certify that

Testwell Laboratories, Inc.
[illegible] Hudson Str[illegible] [illegible]ssin[illegible] New York 10[illegible]52

has fulfilled the requirements of the Toxic Substances Control Act Section 402(a)(1) and has received certification to conduct lead based paint activities under 40 CFR Part 745.226.

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires May 28, 2009

NY-2608-1
Certification #

MAR 15 2006
Issued On

Kenneth S. Stoller, P.E., QEP, DEE, Chief
Pesticides & Toxic Substances Branch

New York
RISK ASSESSOR

Certified Lead-Based Paint Professional

Certification No NY-R-7286-1

Date of Birth	Expiration Date
[redacted]	04/17/2008

Address
[redacted]

Badge Holder's Name
Maher Harish

Badge Holder's Signature

If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-7404T)
Washington, DC 20460
or call 1-800-424-LEAD

TESTWELL®
LABORATORIES, INC.
Total Commitment to Quality

ROUX ASSOCIATES, INC.
ASBESTOS AND LEAD BASED PAINT INSPECTION AND SAMPLING REPORT
LIGHTHOUSE POINT
BUILDINGS 3 (VAULTS), 5, 6, 7 & 8
STATEN ISLAND, NEW YORK

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 05, 2007
Revised July 10, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. EMANUEL DIMITRAKAS
LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVENUE
LONG ISLAND CITY, NY 11104

NY Lab Id No: 10955
EPA Lab Code:

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	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
Lead in Dust Wipes	EPA 7420
Lead in Paint	ASTM D3335-85A
	EPA 7420

Sample Preparation Methods

	APP. 14.2, HUD JUNE 1995
	EPA 3050B

Serial No.: 34077

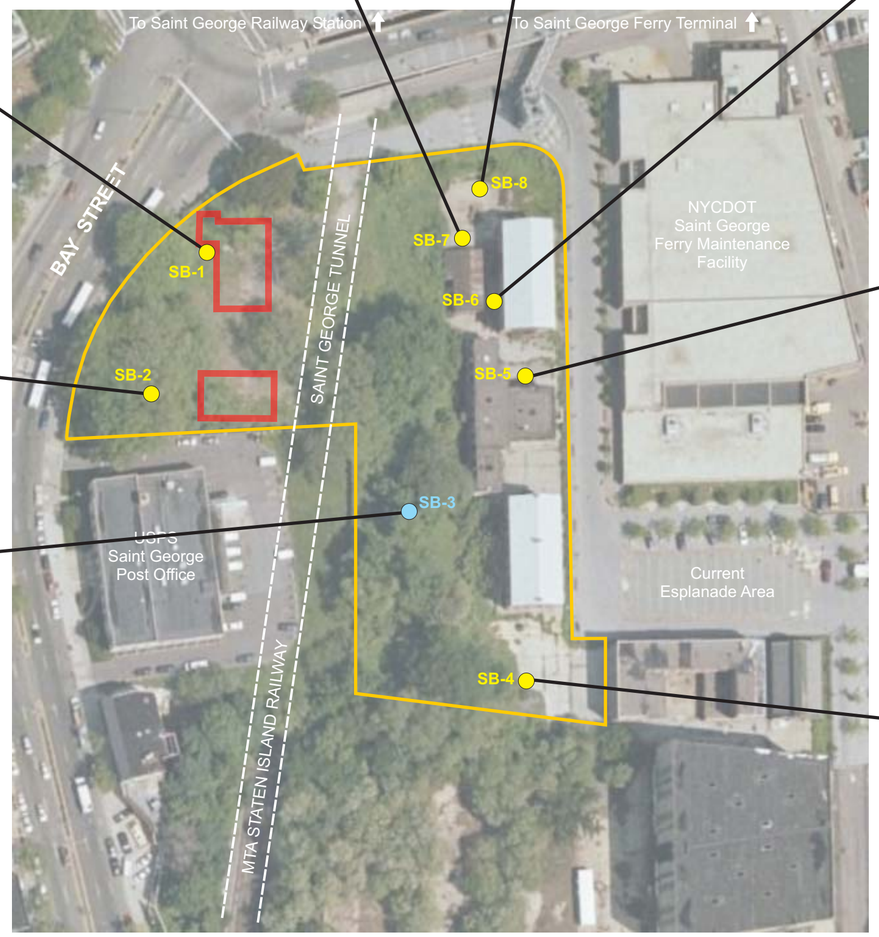
Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

SB-1	7/5/2007
Analyte	35-37
Metals	
Arsenic	4.4
Barium	86
Chromium	**34**
Copper	**54**
Lead	130
Mercury	**2.7**
Nickel	**140**
Selenium	**2.3**
Zinc	**110**
VOCs	
Acetone	67
Carbon disulfide	2.7 J
Methylene chloride	22 B
SVOCs	
Benzo[a]anthracene	90 J
Benzo[a]pyrene	**67 J**
Benzo[b]fluoranthene	81 J
Benzo[g,h,i]perylene	82 J
Benzo[k]fluoranthene	47 J
Bis(2-ethylhexyl) phthalate	680
Chrysene	93 J
Fluoranthene	100 J
Indeno[1,2,3-cd]pyrene	46 J
Phenanthrene	110 J
Pyrene	190 J
Pesticides	NA

SB-7	7/9/2007
Analyte	4-6
Metals	
Arsenic	3.3
Barium	44
Chromium	**52**
Copper	25
Nickel	**650**
Zinc	**32**
VOCs	
Acetone	42 J
Chloromethane	2 J
Methylene chloride	22 B
Toluene	4.1 J
SVOCs	ND
Pesticides	NA

SB-8	7/9/2007
Analyte	4-6
Metals	
Barium	30
Chromium	**11**
Copper	13
Nickel	**120**
Zinc	18
VOCs	
Acetone	29 J
Chloromethane	3 J
Methylene chloride	21 B
SVOCs	ND
Pesticides	NA

SB-6	7/5/2007
Analyte	3-5
Metals	
Arsenic	3
Barium	53
Chromium	**21**
Copper	**37**
Lead	29
Nickel	**160**
Selenium	**2.2**
Zinc	**43**
VOCs	
Acetone	38
Methylene chloride	27 B
Toluene	2.7
SVOCs	ND
Pesticides	NA



SB-5	7/6/2007
Analyte	3-5
Metals	
Arsenic	5.7
Barium	93
Chromium	**25**
Copper	**100**
Lead	330
Mercury	**0.35**
Nickel	**170**
Selenium	**2.3**
Zinc	**130**
VOCs	
Acetone	44
Methylene chloride	17 B
Toluene	3.9
SVOCs	
Benzo[a]anthracene	73 J
Benzo[a]pyrene	**62 J**
Benzo[b]fluoranthene	75 J
Benzo[g,h,i]perylene	41 J
Benzo[k]fluoranthene	39 J
Chrysene	69 J
Fluoranthene	100 J
Phenanthrene	44 J
Pyrene	120 J
Pesticides	NA

SB-2

Drill refusal at 15 ft bls.
Borehole not completed.

SB-3	7/5/2007	7/5/2007	7/5/2007
Analyte	0-0.5	2-2.5	12-14
Metals			
Arsenic	NA	NA	2.2
Barium	NA	NA	26
Chromium	NA	NA	**46**
Copper	NA	NA	**47**
Nickel	NA	NA	**300**
Selenium	NA	NA	**2.1**
Zinc	NA	NA	**30**
VOCs			
Acetone	NA	NA	44
Methylene chloride	NA	NA	14 B
SVOCs	NA	NA	ND
Pesticides	ND	ND	ND

SB-4	7/6/2007
Analyte	10-12
Metals	
Arsenic	2.9
Barium	30
Chromium	**30**
Copper	**37**
Lead	5.9
Nickel	**260**
Zinc	**21**
VOCs	
Acetone	40
Methylene chloride	15 B
Toluene	2
SVOCs	ND
Pesticides	NA

Parameter	NYSDEC RSCO
Metals	
Arsenic	8
Barium	300
Chromium	10
Copper	25
Lead	500
Mercury	0
Nickel	13
Selenium	2
Zinc	20
VOCs	
Acetone	200
Carbon disulfide	2700
Chloromethane	--
Methylene chloride	100
Toluene	1500
SVOCs	
Benzo[a]anthracene	224
Benzo[a]pyrene	61
Benzo[b]fluoranthene	220
Benzo[g,h,i]perylene	50000
Benzo[k]fluoranthene	220
Bis(2-ethylhexyl) phthalate	50000
Chrysene	400
Fluoranthene	50000
Indeno[1,2,3-cd]pyrene	3200
Phenanthrene	50000
Pyrene	50000

Metal concentrations are in mg/kg; all other parameters are in µg/kg

Bold red font indicates data that exceeds the NYSDEC RSCO

Only data with detections or exceedances has NYSDEC RSCO shown

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- - No NYSDEC RSCO available
B - Found in blank
J - Estimated value
NA - Not analyzed
ND - No detections in entire sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds

LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

Sample I.D. → **SB-8** | 7/9/2007 ← Sample date
Analyte | 4-6 ← Sample depth (ft. below land surface)

Analytes:

Metals	
Barium	30
Chromium	**11**
Copper	13
Nickel	**120**
Zinc	18
VOCs	
Acetone	29 J
Chloromethane	3 J
Methylene chloride	21 B
SVOCs	ND
Pesticides	NA

Concentrations in mg/kg
Concentrations in ug/kg
Concentrations in ug/kg ← SVOCs
Concentrations in ug/kg ← Pesticides

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.

N

100' 0 100'

Title:

SOIL QUALITY RESULTS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	PLATE	
Prepared by: B.H.C.	Scale: AS SHOWN	1	
Project Mgr.: L.D.	Office: NY		
File No.: TRi0110501.CDR	Project No.: 163701Y		

\TRI1637Y\TRI01Y\100\TRI0110001.CDR

GW-7	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	9.3	--
Barium	290	76
Chromium	**59**	--
Copper	72	--
Lead	21	--
Nickel	**520**	--
Zinc	130	--
VOCs		
Trichloroethene	1 J	NA
SVOCs	ND	NA
PCBs	NA	NA
Pesticides	NA	NA

GW-8	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Barium	140	80
Lead	6.8	--
Nickel	97	--
VOCs		
Methylene chloride	4.7 J	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

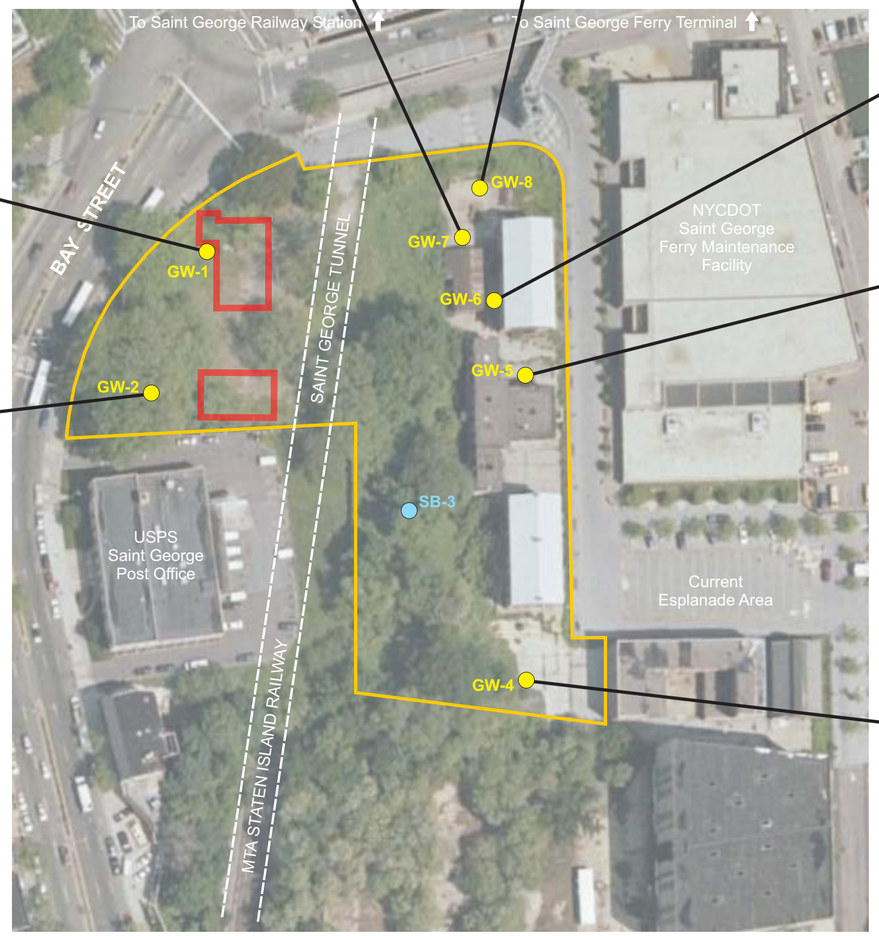
GW-1	7/5/2007	7/5/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**32**	--
Barium	**1300**	230
Chromium	**360**	--
Copper	**270**	--
Lead	**160**	--
Nickel	**2900**	98
Zinc	390	--
VOCs		
Methylene chloride	**5.2**	NA
SVOCs		
Bis(2-ethylhexyl) phthalate	3.7 J	NA
PCBs	ND	NA
Pesticides	ND	NA

GW-6	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**61**	--
Barium	940	57
Beryllium	**5.3**	--
Chromium	**280**	--
Copper	**590**	--
Lead	**190**	--
Nickel	**1700**	--
Zinc	600	--
VOCs	ND	NA
SVOCs	ND	NA
PCBs	NA	NA
Pesticides	NA	NA

GW-5	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Barium	290	170
Copper	58	--
Lead	**45**	--
Nickel	**160**	--
Zinc	82	--
VOCs		
Methylene chloride	3.7 J	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

GW-2

Drill refusal at 15 ft bls.
Borehole not completed.



GW-4	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**41**	--
Barium	**1800**	180
Beryllium	**4.7**	--
Chromium	**270**	--
Copper	**610**	--
Lead	**130**	--
Nickel	**3400**	**110**
Zinc	460	--
VOCs	ND	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

N

100' 0 100'

LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

Parameter	NYSDEC AWQSGV
Metals	
Arsenic	25
Barium	1000
Beryllium	3
Chromium	50
Copper	200
Lead	25
Nickel	100
Zinc	2000
VOCs	
Methylene chloride	5
Trichloroethene	5
SVOCs	
Bis(2-ethylhexyl) phthalate	5

Concentrations are in µg/L

Bold red font indicates data that exceeds the NYSDEC AWQSGV

Only data with detections or exceedances has NYSDEC AWQSGV shown

µg/L - micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGV - Ambient Water Quality Standards and Guidance Values
J - Estimated value
NA - Not analyzed
ND - No detections in entire sample
-- - Not detected
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyl Compounds

Sample I.D. → ← Sample date

GW-7	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	9.3	--
Barium	290	76
Chromium	**59**	--
Copper	72	--
Lead	21	--
Nickel	**520**	--
Zinc	130	--
VOCs		
Trichloroethene	1 J	NA
SVOCs	ND	
PCBs	NA	NA
Pesticides	NA	NA

Analytes — Concentrations in ug/L

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.

Title:

GROUNDWATER QUALITY RESULTS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110501.CDR	Project No.: 163701Y	

\TRI163Y\TRI01Y\100\TRI0110001.CDR

APPENDIX B

Roux Associates 2007 Phase II ESA

(Provided on CD in Bound Report)

December 18, 2007

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Lighthouse Point, Staten Island, New York

Prepared for

TRIANGLE EQUITIES DEVELOPMENT COMPANY LLC

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

TRI63701Y.105/CV

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND/HYDROGEOLOGIC SETTING 3
- 2.1 Description of the Site and Site History 3
- 2.2 Hydrogeologic Setting 5

3.0 SCOPE OF WORK.....6
- 3.1 Site Inspection and Geophysical Survey.....6
- 3.2 Asbestos and Lead-Based Paint Survey and Sampling.....6
- 3.3 Soil Boring and Sampling.....7
- 3.4 Groundwater Sampling 8
- 3.5 Laboratory Analyses 8

4.0 PHASE II ESA RESULTS 10
- 4.1 Site Inspection and Geophysical Survey.....10
  - 4.1.1 Site Inspection.....10
  - 4.1.2 Geophysical Survey 10
- 4.2 Asbestos and Lead-Based Paint Survey and Sampling.....11
- 4.3 Soil Boring and Sampling/Groundwater Sampling 12
  - 4.3.1 Soil Quality 12
  - 4.3.2 Groundwater Quality 14

5.0 FINDINGS AND CONCLUSIONS 16

6.0 REFERENCES 19

TABLES

1. Summary of Volatile Organic Compounds Detected in Soil
2. Summary of Semivolatile Organic Compounds Detected in Soil
3. Summary of Metals Detected in Soil
4. Summary of Pesticides Detected in Soil
5. Summary of Volatile Organic Compounds Detected in Groundwater
6. Summary of Semivolatile Organic Compounds Detected in Groundwater
7. Summary of Metals Detected in Groundwater
8. Summary of Polychlorinated Biphenyls Detected in Groundwater
9. Summary of Pesticides Detected in Groundwater

FIGURES

1. Site Location Map
2. Site Layout and Boring Locations

TABLE OF CONTENTS

(Continued)

APPENDICES

A. Geophysical Survey Report
B. Soil Boring Geologic Logs
C. Lead and Asbestos Survey Report

PLATES

1. Soil Quality Results
2. Groundwater Quality Results

1.0 INTRODUCTION

At the request of Triangle Equities Development Company LLC (Triangle Equities), Roux Associates, Inc. (Roux Associates) performed a Phase II Environmental Site Assessment (Phase II ESA) at the property known as Lighthouse Point (hereinafter referred to as the "Site") in Staten Island, New York (Figure 1). The Site, designated as the western part of Block 1, Lot 60, is currently improved with four buildings and six contiguous underground vaults built into the hillside. The buildings and vaults have been vacant since 1982. Historic site uses are summarized in Section 2.1.

The purpose of the Phase II ESA is to evaluate the environmental quality of soil and groundwater beneath the Site. The Phase II ESA was performed based upon the information provided in a Phase I ESA conducted by Sandstone Environmental Associates, Inc. (SEA) as documented in the report titled, "Phase I Environmental Site Assessment," dated October 8, 1999 (SEA, 1988). In the Phase I ESA report, SEA did not identify any recognized environmental concerns (RECs), as defined by the American Society for Testing and Materials (ASTM), at the Site. An REC is defined as:

> *"The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, groundwater, or surface water on the property."*

However, the information provided in the Phase I ESA report allowed Roux Associates to identify potential environmental concerns not defined as RECs by ASTM at the Site, which may influence planned redevelopment construction costs if excavation is performed. These environmental concerns include the following:

- Potential for environmental impacts related to historic Site uses. The Phase I ESA indicates that historic uses of the Site included underground vaults used for the storage of volatile lighthouse fuels; a (lighthouse) fuel testing and utility building; and a lamp shop. Based on these historical uses, there is potential that soils and/or groundwater at the Site may have been impacted with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals. In addition, soils at the location of a greenhouse formerly located along a now abandoned private roadway between the administrative building and the existing United States Postal Service building may have been impacted with pesticides;

- Potential for heating oil underground storage tanks (USTs) to be present at the former location of two dwellings in the westernmost portion of the Site; and

- Potential presence at the Site of impacted (particularly with SVOCs and metals) historic/urban fill.

Although not required by the ASTM, a Phase II ESA was conducted to evaluate the above potential areas of concern. The Phase II ESA was completed in accordance with the Scope of Work/Cost Proposal dated May 17, 2007 (Proposal), prepared by Roux Associates and submitted to Triangle Equities.

This report provides the results of the Phase II ESA conducted at the Site by Roux Associates in July 2007. This report also incorporates the results of the lead-based paint (LBP) and asbestos-containing materials (ACM) surveys performed at the Site by Testwell Laboratories, Inc. (Testwell) in July 2007. The remainder of this report is organized into the following sections:

- Section 2.0: Site Background/Hydrogeologic Setting;
- Section 3.0: Scope of Work;
- Section 4.0: Phase II ESA Results; and
- Section 5.0: Summary and Conclusions.

2.0 SITE BACKGROUND/HYDROGEOLOGIC SETTING

This section contains a description of the Site and the surrounding area, including the hydrogeologic setting.

2.1 Description of the Site and Site History

The Site is located at the east side of Bay Street, just south of the Staten Island Ferry Terminal (Figure 1). Currently owned by the City of New York, the Site is approximately three acres in size and improved with four buildings and six underground vaults built into the hillside (Figure 2). The buildings and vaults have been vacant since 1982. The Site is essentially divided into an eastern region level at 10± feet (ft) above mean sea level (amsl) and an uphill western region that slopes towards Bay Street at 50± ft amsl. A retaining wall divides the eastern from the western region. A separate entrance to each of the six contiguous vaults is present at the north end of the retaining wall. The vaults extend westward to abut the Saint George Tunnel, a right-of-way of the Metropolitan Transportation Authority (MTA) Staten Island Railway that runs beneath the Site on a north-south axis.

Based upon a review of historical information, as described in the aforementioned Phase I ESA report, and other publicly available information[1], the Site was part of a larger quarantine facility (approximately 30 acres), or lazaretto, from circa 1799 to 1858, at which time the facility was burnt to the ground. The Revenue Cutter Service, the oldest armed maritime service in the United States, also used five of the 30 acres as a base until after the Civil War.

In 1862, the U.S. Lighthouse Board (later U.S. Lighthouse Service), chose the Site to be part of a "super depot" of the Third District U.S. Lighthouse Depot. From 1862 to 1939, this lighthouse depot was the headquarters of the U.S. Lighthouse Service, supplying other District Depots along the East Coast and serving as the central headquarters for technological research. The buildings currently onsite were constructed during this period. This includes Building 5 (constructed in 1917), Building 6 (constructed in 1864), Building 7 (constructed in three phases between 1868 and 1918), and Building 8 (constructed in 1868). The vaults were constructed in 1886. A short summary of building uses during this period of time follows:

[1] Information made publicly available by the National Lighthouse Museum, a not-for-profit Educational Foundation.

- *Building 5* - This is a one-story brick building located between Building 6 and the vaults, which was used as a laboratory by engineers at the lighthouse depot to test fuels and to experiment with lamp design. Contrary to the other remaining buildings (see below), Building 5 is not listed on the National Register of Historic Places or as a New York City Historic Landmark.

- *Building 6* - This four-story brick building is the oldest building at the lighthouse depot, built in 1864, and was used as a warehouse. Building 6 is listed on the National Register of Historic Places.

- *Building 7* - This building housed the offices of the Superintendent and Engineer of the Lighthouse Depot and their staffs. It originally consisted of only the center section. *Around* the turn of the century, the wings were added, as well as the space behind the building, filling in between the wings. Building 6 is listed on the National Register of Historic Places and is also a New York City Historic Landmark.

- *Building 8* – Similar to Building 6 in its exterior appearance, Building 8 was constructed as a lamp shop to assemble and repair lighthouse lenses. Building 8 is listed on the National Register of Historic Places.

- *The Vaults* –The vaults are built into the hillside behind Building 5 and served for storage purposes of volatile lighthouse fuels used for experimental purposes as an alternative to whale oil. The vaults are listed on the National Register of Historic Places.

The Coast Guard took over duties of the Lighthouse Service in 1939 and remained onsite until circa 1968. During the Coast Guard's occupancy, Building 5 was used as a utility building; Building 6 was used as barracks and galley; Building 7 was used as an administration building; Building 8 was used as an industrial supply warehouse; and the vaults were used to store oil and supplies. The Site was subsequently occupied by the New York Harbor Pilot's Association until 1982, when New York City purchased the Site, which has remained vacant to date. It is noted that two residential homes, two and three stories in height, were also present in the upland area north of the existing U.S.P.S. office. The buildings were constructed as early as 1917 and demolished between 1984 and 1991.

The immediate neighborhood, St. George, is the government center for the island with Borough Hall and the County Courthouse, Library, and a small business and office center across the street from the Site. A Post Office abuts the Site to the south, along Bay Street. The surrounding residential New York Landmark District contains many Victorian homes built in the mid to late nineteenth century. A recently constructed esplanade adjoins the Site to the east, together with

the New York City Department of Transportation Saint George ferry maintenance building. The Saint George ferry terminal and Saint George train station of the MTA Staten Island Railway adjoin the Site to the north. The esplanade and ferry terminal front the Upper New York Bay.

2.2 Hydrogeologic Setting

Publicly available information on the hydrogeology of the Borough of Staten Island is limited. However, the following statements can be made. Staten Island is underlain by consolidated rocks (bedrock) and unconsolidated deposits. The bedrock units are the Manhattan Schist, the Staten Island Serpentine, the Newark Supergroup and the Palisade Diabase. These rocks are directly overlain by unconsolidated deposits of the Upper Cretaceous Raritan Formation (in the southern region of Staten Island only, well away from the Site) or by upper Pleistocene deposits of Wisconsinan glacial drift, except in several bedrock-outcrop areas (Soren, 1988).

The Site is located in the vicinity of a geologic contact between the Staten Island Serpentine and the Manhattan Schist. When, in August 1905, it was found necessary to blast the rock under water at the new ferry slip at the St. George ferry terminal, mica schist containing garnet and unmistakably homologous with the Manhattan Schist was brought to the surface (Gratacap, 1909). The bedrock at the Site is overlain by ground moraine of Wisconsinan glacial drift. These unconsolidated deposits are mainly reddish-brown clayey till and consist of an unsorted mixture of clay, silt, sand, gravel, and sparse to abundant cobbles and boulders. Local bodies of stratified sand and gravel with significant amounts of disseminated clay and silt commonly occur within the ground moraine (Soren, 1988).

A review of topographic maps and the composite water table map of Staten Island (Soren, 1988) indicates that the inferred groundwater flow direction at the Site is likely to be easterly towards the Upper New York Bay. A comparison of the topographic maps and the composite water table map also indicates that under water-table conditions, depth to water at the Site decreases from approximately 25 feet below land surface (bls) at Bay Street to approximately eight feet bls at the esplanade level. However, groundwater in the ground moraine of the Site could also be found under confined conditions, where clay and silt beds overly the water-bearing zone.

3.0 SCOPE OF WORK

The following sections present the scope of work for the field activities conducted during the Phase II ESA including a Site inspection, geophysical survey, soil boring and groundwater sampling, and an asbestos and lead-based paint survey and sampling.

3.1 Site Inspection and Geophysical Survey

Prior to mobilization for fieldwork, Roux Associates performed a Site inspection to understand Site conditions, assess the locations of proposed boreholes, and inspect the existing buildings and their vicinity for evidence of former USTs (e.g., fill ports, vent pipes, manways, asphalt/concrete cuts, boiler rooms, storage tanks).

A geophysical survey was performed to evaluate the potential presence of any remnant heating oil storage tanks or other subsurface features that may be present beneath the Site, associated with the existing buildings and two former residential dwellings that fronted Bay Street. The geophysical survey consisted of an electromagnetic (EM) and ground penetrating radar (GPR) survey that was capable of identifying subsurface metallic and non-metallic features present beneath the Site. NAEVA Geophysics, Inc. (NAEVA) of Congers, New York conducted the geophysical survey under Roux Associates' supervision. A detailed description of the procedures followed to complete the geophysical survey is provided in the NAEVA report included as Appendix A.

3.2 Asbestos and Lead-Based Paint Survey and Sampling

At the request of Triangle Equities, Roux Associates also subcontracted a lead-based paint (LBP) and asbestos-containing materials (ACM) surveyor. The ACM and LBP survey of the existing buildings will serve as a basis for an abatement cost estimate (to be prepared by others) prior to renovation of these buildings and is only summarized briefly herein (Section 4.2). The ACM and LBP survey was conducted on July 2 and 3, 2007. Since access to Building 5 and five of the six vaults was not gained during that time, the survey was completed on July 19, 2007, once access was made possible.

3.3 Soil Boring and Sampling

On July 5, 6 and 9, 2007, seven soil borings (SB-1, and SB- 3 through SB-8) were completed at the locations shown in Figure 2 to evaluate soil-quality conditions at the Site. The Proposal also indicated that soil and groundwater samples were to be collected at soil boring location SB-2. However, proposed soil boring SB-2 (Figure 2) could not be completed after multiple attempts due to drilling refusal at approximately 15 ft bls. Also, based on field observations, the soil boring initially proposed between Building 5 and the vaults was consolidated with SB-7 due to its proximity to SB-7 and since three boreholes (i.e., SB-6 through SB-8) were deemed to properly assess soil and groundwater quality conditions of Building 5 and the vaults.

The soil borings were completed using the Geoprobe® drilling utilizing direct-push technology by New York State licensed drilling contractor Aquifer Drilling and Testing, under Roux Associates' supervision. Soil samples were collected continuously from land surface to the water table. Each soil sample was examined for suspect physical characteristics (i.e., odor, sheen, staining) and was screened for organic vapors with a photoionization detector (PID). Physical characteristics and PID readings were recorded in a field log book and are noted in the soil boring logs (Appendix B).

Soil samples were also collected for laboratory analysis to evaluate soil-quality conditions at the Site. As specified in the Proposal, if no impacted soils were identified by visual inspection/PID screening, one soil sample was to be collected at each boring location from the two-foot interval located directly above the water table. As indicated by the geologic logs provided in Appendix B, no visual impacts or elevated PID concentrations were noted at the borings; consequently, one soil sample was collected above the water table from each boring. Additionally, one soil sample was collected from the 0-0.5-foot bls interval (shallow) and another from the 2-2.5-foot bls interval (subsurface) at soil boring location SB-3, the suspected location of the former greenhouse, to assess soil quality conditions from suspected historic pesticide applications. The collection of a soil sample from the shallow and subsurface section of the soil column allows for the appraisal of the vertical migration of pesticides, if any.

3.4 Groundwater Sampling

Groundwater samples were collected from within a few feet of the water table at all locations but SB-3 to evaluate groundwater quality conditions beneath the Site. As previously indicated, the groundwater flow direction beneath the Site is likely easterly towards the Upper New York Bay. Based upon this information, groundwater samples were collected at locations SB-1 and SB-4 through SB-8 to be representative of hydraulically upgradient and downgradient groundwater quality, respectively. All groundwater samples were collected from a temporary well that was installed within the soil boring and removed following collection of the groundwater sample.

The water was purged using a peristaltic pump and disposable tubing by a minimum amount equal to three inner tubing volumes. Using a peristaltic pump at a low flow rate, unfiltered groundwater samples were collected from each of the temporary monitoring wells. At borehole SB-1, however, due to a depth of groundwater of 37± feet bls, the peristaltic pump could not overcome the gravitational potential energy of the water column and a Geoprobe® Tubing Check-Valve system was used to collect a groundwater sample. No suspect physical characteristics associated with the groundwater were noted during the groundwater sampling collection activities.

All soil borings were backfilled with the drill cuttings generated during the drilling process and/or clean sand to pre-drilling conditions. All soil boring locations were measured relative to existing site features and located on a current site plan (Figure 2).

3.5 Laboratory Analyses

The soil and groundwater samples were stored on ice in a cooler at a temperature of 4º Celsius and transported under chain of custody procedures to Hampton-Clarke, Inc. – Veritech Laboratories (HC-V) in Fairfield, New Jersey. HC-V is a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory.

The soil samples were analyzed for VOCs by USEPA Method 8260, SVOCs, including polyaromatic hydrocarbons (PAHs) by USEPA Method 8270, Priority Pollutant (PP) Metals by USEPA Method 6010, and Pesticides by USEPA Method 8081 (at soil boring SB-3 only).

All groundwater samples were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270, and PP metals (Total and Dissolved) by USEPA Method 6010. Four of the groundwater samples (one upgradient with respect to anticipated groundwater flow [GW-1] and three downgradient with respect to anticipated groundwater flow [GW-4, GW-5 and GW-8]) were also analyzed for Polychlorinated Biphenyls (PCBs) and pesticides per USEPA Methods 8082 and 8081, respectively.

In addition to the above analyses, Roux Associates also collected additional sample volume to be held by the laboratory (prior to analysis) pending the results of the total lead in soil sample. These samples would be analyzed as a contingency measure if the metals result indicates that total lead is greater than 400 parts per million (ppm). If any total metals samples contained lead above 400 ppm, the associated additional metals sample would be analyzed for lead using the Toxicity Characteristic Leaching Procedure (TCLP). The TCLP methods are used to determine if soils meet the threshold for consideration as a Resource Conservation and Recovery Act (RCRA) characteristically hazardous waste is disposal was required during redevelopment.

4.0 PHASE II ESA RESULTS

Results of the Phase II ESA are summarized in the following sections.

4.1 Site Inspection and Geophysical Survey

The following is a summary of the Site inspection and geophysical survey. These tasks were performed prior to any intrusive field work in order to plan and coordinate the drilling efforts.

4.1.1 Site Inspection

On July 4 and 5, 2007, a Roux Associates representative inspected the areas along the wall exterior of the existing buildings, as well as all accessible basement space. This visual inspection revealed no evidence of former USTs (e.g., fill ports, vent pipes, manways, suspect asphalt/concrete cuts, storage tanks) or burner/furnace equipment within the basement space. It is noted that, according to a 1987 Existing Conditions Map prepared by the New York City Department of Transportation in anticipation of the construction of the adjoining ferry maintenance facility, steam heat was provided to the Site via a utility tunnel routed from a power house situated offsite, in the vicinity of the esplanade and south end of the ferry maintenance facility (SEA, 1988).

4.1.2 Geophysical Survey

Results of the geophysical survey conducted at the Site are provided in the NAEVA report included as Appendix A and are summarized below.

The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site. Several geophysical anomalies were detected beneath the Site that suggest the presence of diffuse metallic debris (i.e., randomly positioned metal fragments) at depths less than 2 ft bls at the former location of the two dwellings likely associated with construction and demolition (C&D) debris generated during the demolition of these buildings. Additionally, several geophysical anomalies were detected along portions of the exterior walls of the existing buildings. These anomalies are typical of patches of reinforced concrete (NAEVA, personal communication).

Two anomalies suggesting the presence of a larger continuous piece of metallic debris, one approximately seven feet in diameter and another described as being approximately 14 ft by 6 ft in size, were identified beneath the Site, in the vicinity of the northernmost of the two former dwellings, proximate to the existing wall along Bay Street (Appendix A). These anomalies appear to be continuous pieces of metal and GPR profiles collected over these anomalies showed strong reflections. However, the GPR profiles were not the hyperbolic reflections typically associated with underground storage tanks and were instead flat reflections in several directions. In addition, a physical inspection using a thin metal probe showed that the probe could be inserted over the anomaly to varying depths from approximately 1 ft bls to 2-3 ft bls (NAEVA, personal communication). It therefore seems more likely that a concentration of C&D debris is present at that location. Based on the foregoing, the geophysical survey results do not suggest the presence of storage tanks that would impede future excavation/construction activities planned for the Site, or when viewed in conjunction with soil and groundwater sample results represent potential sources of contamination.

4.2 Asbestos and Lead-Based Paint Survey and Sampling

Results of the ACM and LBP survey conducted at the Site for the existing buildings are provided in the Testwell report included as Appendix C and are summarized briefly in this Section.

ACM and LBP were pervasive throughout Buildings 5, 6, 7 and 8. The major source of ACM consisted of pipe insulation and pipe insulation debris on the floor (totaling 2,725 linear feet), together with floor tiling (including mastic and totaling 23,580 square feet). Six five-gallon pails with suspected roof cement ACM were also stored in the vaults with no additional ACM present. No LBP was identified in the vaults. The roof of Buildings 6, 7 and 8 was inaccessible for sampling due to the lack of access hatches and the structurally decrepit nature of the roof. Therefore, based on age, color, and appearance of the roofing material and based on the experience of the surveyor, roofing material was concluded to be built-up roofing (BUR) and assumed to be asbestos containing. Confirmatory sampling of the roofing materials should be performed during the proposed renovation phase of the project.

LBP was found predominantly on interior surfaces and within Buildings 5, 6, 7, and 8. Exterior LBP was found on the walls and windows of building 5 only.

4.3 Soil Boring and Sampling/Groundwater Sampling

Results of the soil boring and sampling task, including a description of site hydrogeology and groundwater quality conditions, are provided in the following sections.

4.3.1 Soil Quality

Subsurface soils consisted of reddish brown fine to medium sand, with variable amounts of gravel and silt. These unconsolidated deposits are consistent with the reddish-brown clayey till of the Wisconsinan glacial drift reported at the Site and environs (see Section 2.2). Soil boring geologic logs developed by Roux Associates are provided in Appendix B. None of the soil samples exhibited elevated PID readings or suspect physical characteristics (i.e., odor, sheen, staining).

Analytical data for VOCs, SVOCs, PP metals, and Pesticides (soil boring SB-3 only) for soil samples collected at the Site are provided in Tables 1 through 4, respectively, and are also summarized in Plate 1. The laboratory results for the soil analyses were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCOs). The applicable NYSDEC criteria for each of the analyzed constituents are also provided in Tables 1 through 4. Soil quality data exceeding the NYSDEC criteria are highlighted in bold in these tables, and are also discussed below.

<u>VOCs in Soil</u>

No VOCs were detected in the seven soil samples (Table 1), with the exception of acetone and methylene chloride (also found in the Method Blank), which are common laboratory analytical artifacts, a trace detection of carbon disulfide at 2.7 micrograms per kilogram (µg/kg), two trace detections of chloromethane at 2 µg/kg and 3 µg/kg, and four trace detections of toluene. The trace detections of toluene were identified in the eastern, lower part of the Site, hydraulically connected to, and in the suspected mixing zone of, the adjoining Upper New York Bay.

<u>SVOCs in Soil</u>

Only benzo(a)pyrene was detected in the soil samples from SB-1 and SB-5 at respective concentrations of 67 µg/kg and 62 µg/kg, in minor exceedance of its NYSDEC RSCO value of

61 µg/kg (Table 2). Minor detections of nine additional SVOCs were also reported well below NYSDEC RSCOs in one or both of these borings, which belong to a subgroup of SVOCs known as PAHs, including: benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. In none of the soil samples did the total SVOC concentration exceed the NYSDEC RSCO of 500 parts per million total SVOCs.

PAHs are a group of over 100 different chemicals that are formed during the incomplete combustion of coal, oil and gas, garbage, or other organic substances like tobacco or even charbroiled meat. The soil samples were collected from the two-foot interval above the water table, in native soil. The ubiquitous presence of trace amounts of PAHs in urban stormwater runoff, groundwater, and seawater in and around urban areas being well documented; the detection of these compounds in the soil samples is consistent with the location of the Site in an urban area and does not necessarily represent if a continuing source of PAH is present onsite.

Metals in Soil

A summary of analytical data for RCRA metals detected in soils are provided in Table 3. Total metals detected in soils at the Site and the concentration ranges at which they were detected are as follows:

- arsenic (2.2 milligrams per kilogram [mg/kg] to 5.7 mg/kg);
- barium (26 mg/kg to 93 mg/kg);
- chromium (11 mg/kg to 52 mg/kg);
- copper (13 mg/kg to 100 mg/kg);
- lead (5.9 mg/kg to 330 mg/kg);
- mercury (0.35 mg/kg and 2.7 mg/kg);
- nickel (120 mg/kg to 650 mg/kg);
- selenium (2.1 mg/kg to 2.3 mg/kg); and
- zinc (21 mg/kg to 130 g/kg).

As indicated in Table 3, several metals were detected in the soil samples in concentrations above their respective RSCOs, including chromium, copper, mercury, nickel, selenium and zinc. The concentrations of these metals are consistent with the NYSDEC background concentration range for soils in the Eastern U.S. at all boring locations.

Pesticides in Soil

No pesticides were detected in shallow (i.e., 0-0.5 ft bls), subsurface (i.e., 2-2.5 ft bls) ,and deep (i.e., 12 to 14 ft bls, the two-foot interval above the water table) soil samples at soil boring SB-3, the suspected location of a former greenhouse (Table 4).

4.3.2 Groundwater Quality

Analytical data for VOCs and SVOCs for groundwater samples collected at the Site are provided in Tables 5 and 6, respectively, and are also summarized in Plate 2. The laboratory results for the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs). The applicable NYSDEC criteria for each of the analyzed constituents are also provided in Tables 5 and 6. Groundwater quality data exceeding the NYSDEC criteria are highlighted in bold in these tables and are also discussed below.

VOCs in Groundwater

A summary of analytical data for VOCs in groundwater is provided in Table 5. As indicated in Table 5, no VOCs were detected in groundwater samples collected at the Site, with the exception of trace amounts of methylene chloride, a common laboratory artifact, and a trace amount of the chlorinated solvent trichloroethene at a concentration of 1 µg/L in soil boring SB-7.

Trichloroethene is a solvent for cleaning metal parts and can be introduced by such use in the environment, but is also found in groundwater as a degradation daughter product of tetrachloroethene via reductive dechlorination. The lack of the parent VOC in the groundwater sample, the lack of chlorinated solvents in all remaining groundwater samples, the lack of trichloroethene in the associated soil sample, together with the low level detected in the groundwater sample, indicates that the potential source(s) of this compound is offsite; probably not in close proximity to the Site.

SVOCs in Groundwater

A summary of analytical data for SVOCs in groundwater is provided in Table 6. As indicated by Table 6, no SVOCs were detected in groundwater samples collected at the Site, with the exception of bis(2-ethylhexyl)phthalate, a common laboratory artifact, at a concentration of 3.7 µg/L in soil boring SB-1.

Metals in Groundwater

A summary of analytical data for metals in groundwater is provided in Table 7. Several metals were detected in the unfiltered groundwater samples in concentrations above their respective AWQSGVs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. These and additional metals detected below the NYSDEC AWQSGVs were consistent with the metals found at elevated concentrations in soil samples, an indication that the minerals suspended in the groundwater are the primary contributor of metals in the analyses. In fact, no or minor detections of metals were reported once filtered groundwater samples were analyzed and only nickel remained present at a concentration of 110 µg/L (down from 3,400 µg/L), slightly above the NYSDEC AWQSGV of 100 µg/L. The results indicate that the detections in the unfiltered samples are related to metals within, or adsorbed to, the lattice of fine suspended minerals, rather than being present as a dissolved phase.

PCBs in Groundwater

A summary of analytical data for PCBs in groundwater is provided in Table 8. As indicated by Table 8, no PCBs were detected in groundwater samples collected at the Site.

Pesticides in Groundwater

A summary of analytical data for pesticides in groundwater is provided in Table 9. As indicated by Table 9, no pesticides were detected in groundwater samples collected at the Site.

5.0 FINDINGS AND CONCLUSIONS

The findings and conclusions of the Phase II ESA are provided below.

- The visual inspection of the Site revealed no evidence of former heating oil tanks (e.g., fill ports, vent pipes, manways, suspect asphalt/concrete cuts, storage tanks) or burner/furnace equipment within the basement spaces. Steam heat was historically provided to the Site via a utility tunnel routed from a power house situated offsite, in the vicinity of the existing esplanade and south end of the ferry maintenance facility.

- The geophysical survey conducted at the Site did not indicate any substantial geophysical anomalies that would suggest the presence of any remnant heating oil storage tanks beneath the Site.

- A lead-based paint and asbestos-containing materials survey conducted at the Site revealed the pervasive presence of these materials in the existing building.

- No further investigation or remediation of soil and groundwater beneath the Site is warranted because of the following:

  – The unconsolidated deposits (soil) at the Site appear to be present under natural conditions and consistent with the reddish-brown clayey till of the Wisconsinan glacial drift reported in this region of Staten Island. No elevated PID readings or suspect physical characteristics (i.e., odor, sheen, staining) were noted for soil beneath the Site.

  – No VOCs were detected in soil and groundwater samples, with the exception of trace levels of common laboratory artifacts and only two VOCs, toluene and trichloroethene, also present at trace levels in some soil and groundwater samples, respectively.

    The trace detections of toluene and trichloroethene were identified in the eastern, lower part of the Site, hydraulically connected to, and in the suspected mixing zone of, the adjoining Upper New York Bay, a major navigation waterway. The detection of these compounds in the soil and groundwater samples is consistent with the location of the Site in an urban area and within the suspected mixing zone of a major commercial navigation water body.

    Although trichloroethene can be introduced directly into soil and groundwater or be the result of the reductive dechlorination of the parent VOC tetrachloroethene, the lack of the parent VOC in the groundwater sample, the lack of chlorinated solvents in all remaining groundwater samples, the lack of trichloroethene in the associated soil sample, together with the low level detected in the groundwater sample, indicates that the potential source(s) of this compound is offsite; probably not in close proximity to the Site.

- Although some SVOCs and metals levels in soil at the Site exceed NYSDEC RSCOs, these are not constituents of a release, are ubiquitous in urban environments (i.e., Staten Island, New York), and the metals concentrations are generally consistent with the NYSDEC background concentration range for soils in the Eastern U.S.

- No pesticides were detected in soil samples from a vertical profile at the suspected former location of a greenhouse.

- Several metals were detected in the unfiltered groundwater samples in concentrations above their respective AWQSGVs, including arsenic, barium, beryllium, chromium, copper, lead, and nickel. These and additional metals detected below the NYSDEC AWQSGVs were consistent with the metals found at elevated concentrations in soil samples, an indication that the minerals suspended in the groundwater are the primary contributor of metals in the analyses. In fact, no or minor detections of metals were reported once filtered groundwater samples were analyzed and only nickel remained present at a concentration of 110 µg/L (down from 3,400 µg/L), slightly above the NYSDEC AWQSGV of 100 µg/L. The results indicate that the detections in the unfiltered samples are related to metals within, or adsorbed to, the lattice of fine suspended minerals, rather than being present as a dissolved phase.

- No pesticides or PCBs were detected in groundwater samples collected from the Site.

Respectfully Submitted,

ROUX ASSOCIATES, INC.

Luc Derrendinger, Ph.D.
Project Geologist/
Project Manager

Sin Senh
Office Manager/
Principal Hydrogeologist

6.0 REFERENCES

Julian Soren, 1988. Geologic and Geohydrologic Reconnaissance of Staten Island, New York. U.S. Geological Survey Water Resources Investigations Report 87-4048. Prepared in Cooperation with the New York State Department of Environmental Conservation. Syosset, New York. 1988.

Louis Gratacap, 1909. Geology of the City of New York. American Museum of Natural History. Henry Holt & Co. 1909.

Sandstone Environmental Associates, Inc., 1999. Phase I Environmental Site Assessment – National Lighthouse Center and Museum, Staten Island, New York. October 8, 1999.

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
		Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
1,1,1-Trichloroethane	800		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2,2-Tetrachloroethane	600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1,2-Trichloroethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethane	200		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,1-Dichloroethene	400		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2,3-Trichloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2,4-Trimethylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,2-Dibromo-3-chloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dibromoethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichlorobenzene	7900		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloroethane	100		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,2-Dichloropropane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3,5-Trimethylbenzene	3300		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
1,3-Dichlorobenzene	1600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,3-Dichloropropane	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,4-Dichlorobenzene	8500		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
1,4-Dioxane	--		560 U	550 U	550 U	590 U	560 U	560 U	560 U
2-Butanone (MEK)	300		11 U	11 U	11 U	12 U	11 U	11 U	11 U
2-Chloroethyl vinyl ether	--		11 U	11 U	11 U	12 U	11 U	1100 U	1100 U
2-Hexanone	--		11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Isopropyltoluene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
4-Methyl-2-pentanone	1000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Acetone	200		67	44	40	44	38	42 J	29 J
Acrolein	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
Acrylonitrile	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Benzene	60		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Bromodichloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromoform	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Bromomethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon disulfide	2700		2.7 J	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Carbon tetrachloride	600		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chlorobenzene	1700		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroethane	1900		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloroform	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Chloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	2 J	3 J
cis-1,2-Dichloroethene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:**	SB-1	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	07/05/07	07/05/07	07/06/07	07/06/07	07/05/07	07/09/07	07/09/07
		Sample Depth (ft bls):	35-37	12-14	10-12	3-5	3-5	4-6	4-6
cis-1,3-Dichloropropene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Cyclohexane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dibromochloromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Dichlorodifluoromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Ethylbenzene	5500		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Freon 113	6000		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Isopropylbenzene	2300		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
m+p-Xylene	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	11 U	11 U
Methyl Acetate	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylcyclohexane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Methylene chloride	100		22 B	14 B	15 B	17 B	27 B	22 B	21 B
MTBE	120		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
n-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
n-Propylbenzene	3700		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
o-Xylene	600		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
sec-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Styrene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
t-Butyl Alcohol	--		28 U	27 U	27 U	29 U	28 U	28 U	28 U
tert-Butylbenzene	10000		1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	5.6 U	5.6 U
Tetrachloroethene	1400		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Toluene	1500		1.1 U	1.1 U	2	3.9	2.7	4.1 J	5.6 U
trans-1,2-Dichloroethene	300		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
trans-1,3-Dichloropropene	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Trichloroethene	700		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Trichlorofluoromethane	--		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U
Vinyl chloride	200		5.6 U	5.5 U	5.5 U	5.9 U	5.6 U	5.6 U	5.6 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

-- No NYSDEC RSCO available

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

ft bls - Feet below land surface

Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
1,2,4-Trichlorobenzene	3400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,2-Dichlorobenzene	7900		370 U	370 U	370 U	390 U	370 U	NA	NA
1,2-Diphenylhydrazine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
1,3-Dichlorobenzene	1600		370 U	370 U	370 U	390 U	370 U	NA	NA
1,4-Dichlorobenzene	8500		370 U	370 U	370 U	390 U	370 U	NA	NA
2,4,5-Trichlorophenol	100		370 U	370 U	370 U	390 U	NA	370 U	370 U
2,4,6-Trichlorophenol	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dichlorophenol	400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dimethylphenol	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,4-Dinitrophenol	200		940 U	920 U	920 U	980 U	940 U	940 U	940 U
2,4-Dinitrotoluene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2,6-Dinitrotoluene	1000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chloronaphthalene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Chlorophenol	800		370 U	370 U	370 U	390 U	370 U	370 U	370 U
2-Methylnaphthalene	36400		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Methylphenol	100		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitroaniline	430		370 U	370 U	370 U	390 U	NA	370 U	370 U
2-Nitrophenol	330		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3,3'-Dichlorobenzidine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
3-Nitroaniline	500		370 U	370 U	370 U	390 U	NA	370 U	370 U
4,6-Dinitro-2-methylphenol	--		940 U	920 U	920 U	980 U	940 U	940 U	940 U
4-Bromophenyl phenyl ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloro-3-methylphenol	240		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Chloroaniline	220		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Chlorophenyl phenyl ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
4-Methylphenol	900		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitroaniline	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
4-Nitrophenol	100		940 U	370 U	370 U	390 U	370 U	370 U	370 U
Acenaphthene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Acenaphthylene	41000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Aniline	100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Anthracene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzidine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Benzo[a]anthracene	224		90 J	370 U	370 U	73 J	370 U	370 U	370 U
Benzo[a]pyrene	61		**67 J**	370 U	370 U	**62 J**	370 U	370 U	370 U
Benzo[b]fluoranthene	220		81 J	370 U	370 U	75 J	370 U	370 U	370 U
Benzo[g,h,i]perylene	50000		82 J	370 U	370 U	41 J	370 U	370 U	370 U
Benzo[k]fluoranthene	220		47 J	370 U	370 U	39 J	370 U	370 U	370 U
Benzoic acid			370 U	920 U	920 U	980 U	940 U	940 U	940 U
Bis(2-chloroethoxy)methane	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-chloroethyl) ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
Bis(2-Chloroisopropyl) ether	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Bis(2-ethylhexyl) phthalate	50000		680	370 U	370 U	390 U	370 U	370 U	370 U
Butylbenzyl phthalate	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Carbazole	--		370 U	370 U	370 U	390 U	NA	370 U	370 U
Chrysene	400		93 J	370 U	370 U	69 J	370 U	370 U	370 U
Di-n-butyl phthalate	8100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Di-n-octyl phthalate	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dibenzo[a,h]anthracene	14.3		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dibenzofuran	6200		370 U	370 U	370 U	390 U	NA	370 U	370 U
Diethyl phthalate	7100		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Dimethyl phthalate	2000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Fluoranthene	50000		100 J	370 U	370 U	100 J	370 U	370 U	370 U
Fluorene	50000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobenzene	410		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorobutadiene	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Hexachlorocyclopentadiene	--		370 U	370 U	370 U	390 U	370 U	940 U	940 U
Hexachloroethane	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Indeno[1,2,3-cd]pyrene	3200		46 J	370 U	370 U	390 U	370 U	370 U	370 U
Isophorone	4400		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodi-n-propylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodimethylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
n-Nitrosodiphenylamine	--		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Naphthalene	13000		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Nitrobenzene	200		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pentachlorophenol	1000		940 U	920 U	920 U	980 U	940 U	940 U	940 U
Phenanthrene	50000		110 J	370 U	370 U	44 J	370 U	370 U	370 U
Phenol	30		370 U	370 U	370 U	390 U	370 U	370 U	370 U
Pyrene	50000		190 J	370 U	370 U	120 J	370 U	370 U	370 U

Notes:
J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
-- No NYSDEC RSCO available
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
ft bls - Feet below land surface
Bold data indicates that parameter was detected above the NYSDEC RSCOs
NA - Not analyzed

Table 3. Summary of Metals Detected in Soil, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs (mg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	SB-1 07/05/07 35-37	SB-3 07/05/07 12-14	SB-4 07/06/07 10-12	SB-5 07/06/07 3-5	SB-6 07/05/07 3-5	SB-7 07/09/07 4-6	SB-8 07/09/07 4-6
Antimony	--		2.2 U	2.2 U	2.2 U	2.4 U	2.2 U	2.2 U	2.2 U
Arsenic	7.5		4.4	2.2	2.9	5.7	3	3.3	2.2 U
Barium	300		86	26	30	93	53	44	30
Beryllium	0.16		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Cadmium	1		0.67 U	0.66 U	0.66 U	0.71 U	0.67 U	0.67 U	0.67 U
Chromium	10		**34**	**46**	**30**	**25**	**21**	**52**	**11**
Copper	25		**54**	**47**	**37**	**100**	**37**	25	13
Lead	500		130	5.5 U	5.9	330	29	5.6 U	5.6 U
Mercury	0.1		**2.7**	0.092 U	0.092 U	**0.35**	0.094 U	0.094 U	0.094 U
Nickel	13		**140**	**300**	**260**	**170**	**160**	**650**	**120**
Selenium	2		**2.3**	**2.1**	2 U	**2.3**	**2.2**	2 U	2 U
Silver	--		1.7 U	1.6 U	1.6 U	1.8 U	1.7 U	1.7 U	1.7 U
Thallium	--		1.3 U	1.3 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U
Zinc	20		**110**	**30**	**21**	**130**	**43**	**32**	18

Notes:
U - Indicates that the compound was analyzed for but not detected
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- No NYSDEC RSCO available
Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 4. Summary of Pesticides Detected in Soil, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-3 07/05/07 0-0.5	SB-3 07/05/07 12-14	SB-3 07/05/07 2-2.5
4,4'-DDD	2900		3 U	2.7 U	2.8 U
4,4'-DDE	2100		3 U	2.7 U	2.8 U
4,4'-DDT	2100		3 U	2.7 U	2.8 U
Aldrin	41		6 U	5.5 U	5.7 U
alpha-BHC	110		6 U	5.5 U	5.7 U
alpha-Chlordane	--		12U	11U	11U
beta-BHC	200		6U	5.5U	5.7U
delta-BHC	300		6 U	5.5 U	5.7 U
Dieldrin	44		6 U	5.5 U	5.7 U
Endosulfan I	900		6 U	5.5 U	5.7 U
Endosulfan II	900		6 U	5.5 U	5.7 U
Endosulfan sulfate	1000		6 U	5.5 U	5.7 U
Endrin	100		6 U	5.5 U	5.7 U
Endrin aldehyde	--		6 U	5.5 U	5.7 U
Endrin ketone	--		6 U	5.5 U	5.7 U
gamma-BHC (Lindane)	60		6 U	5.5 U	5.7 U
Heptachlor	100		6 U	5.5 U	5.7 U
Heptachlor epoxide	20		6 U	5.5 U	5.7 U
Methoxychlor	--		6 U	5.5 U	5.7 U
Toxaphene	1200		30 U	27 U	28 U

Notes:

U - Analyte was not detected at or above the reporting limit
Bold - Concentration exceeds NYSDEC RSCOs
NYSDEC - New York State Department of Environmental Conservation
RSCO - Recommended Soil Cleanup Objectives
µg/kg - micrograms per kilogram
-- - No NYSDEC RSCO available

Table 5. Summary of Volatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
1,1,1-Trichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	0.04		5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.6		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	1		5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichloropropane	5		5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	3		5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	--		250 U	250 U	250 U	250 U	500 U	500 U
2-Butanone (MEK)	50		5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl vinyl ether	--		5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	--		1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	--		5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		25 U	25 U	25 U	25 U	25 U	25 U
Acrolein	5		25 U	25 U	25 U	25 U	25 U	25 U
Acrylonitrile	5		5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1		1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50		5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--		5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5		5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5		5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7		5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	--		5 U	5 U	5 U	5 U	5 U	5 U

Table 5. Summary of Volatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
cis-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50		5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	--		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Freon 113	--		5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
m+p-Xylene	5		2 U	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	--		5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--		5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5		**5.2**	5 U	3.7 J	5 U	5 U	4.7 J
MTBE	10		1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5		1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5		5 U	5 U	5 U	5 U	5 U	5 U
t-Butyl Alcohol	--		25 U	25 U	25 U	25 U	25 U	25 U
tert-Butylbenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	--		5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5		5 U	5 U	5 U	5 U	1 J	5 U
Trichlorofluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2		5 U	5 U	5 U	5 U	5 U	5 U

Notes:
NA - Not analyzed
J - Estimated value
U - Not Detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Exceeds NYSDEC AWQSGV
-- No NYSDEC RSCO available

Table 6. Summary of Semivolatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
1,2,4-Trichlorobenzene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
1,2-Diphenylhydrazine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
1,4-Dichlorobenzene	3		14 U	7.1 U	10 U	11 U	NA	NA
2,4,5-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	50		14 U	7.1 U	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	10		34 U	18 U	25 U	28 U	27 U	26 U
2,4-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Chloronaphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Chlorophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Methylnaphthalene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
2-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U
3-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4,6-Dinitro-2-methylphenol	--		34 U	18 U	25 U	28 U	27 U	26 U
4-Bromophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chloroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Chlorophenyl phenyl ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Methylphenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Nitroaniline	5		14 U	7.1 U	10 U	11 U	11 U	10 U
4-Nitrophenol	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Acenaphthene	20		14 U	7.1 U	10 U	11 U	11 U	10 U
Acenaphthylene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Aniline	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Anthracene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzidine	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[a]anthracene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[a]pyrene	ND		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[b]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[g,h,i]perylene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzo[k]fluoranthene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Benzoic acid	--		34 U	18 U	25 U	28 U	27 U	26 U

Table 6. Summary of Semivolatile Organic Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-6 07/06/07	GW-7 07/09/07	GW-8 07/09/07
Bis(2-chloroethoxy)methane	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-chloroethyl) ether	1		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-Chloroisopropyl) ether	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Bis(2-ethylhexyl) phthalate	5		3.7 J	7.1 U	10 U	11 U	11 U	10 U
Butylbenzyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Carbazole	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Chrysene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Di-n-butyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Di-n-octyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Dibenzo[a,h]anthracene	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Dibenzofuran	--		14 U	7.1 U	10 U	11 U	11 U	10 U
Diethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Dimethyl phthalate	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Fluoranthene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Fluorene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorobenzene	0.04		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorobutadiene	0.5		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Hexachloroethane	5		14 U	7.1 U	10 U	11 U	11 U	10 U
Indeno[1,2,3-cd]pyrene	0.002		14 U	7.1 U	10 U	11 U	11 U	10 U
Isophorone	50		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodi-n-propylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodimethylamine	--		14 U	7.1 U	10 U	11 U	11 U	10 U
n-Nitrosodiphenylamine	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Naphthalene	10		14 U	7.1 U	10 U	11 U	11 U	10 U
Nitrobenzene	0.4		14 U	7.1 U	10 U	11 U	11 U	10 U
Pentachlorophenol	1		34 U	18 U	25 U	28 U	27 U	26 U
Phenanthrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U
Phenol	1		14 U	7.1 U	10 U	11 U	11 U	10 U
Pyrene	50		14 U	7.1 U	10 U	11 U	11 U	10 U

Notes:
NA - Not analyzed
J - Estimated value
U - Not Detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Exceeds NYSDEC AWQSGV
-- No NYSDEC RSCO available

Table 7. Summary of Metals Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-1 07/05/07 Unfiltered	GW-1 07/05/07 Filtered	GW-4 07/06/07 Unfiltered	GW-4 07/06/07 Filtered	GW-5 07/06/07 Unfiltered	GW-5 07/06/07 Filtered
Antimony	3		12 U	12 U	12 U	12 U	12 U	12 U
Arsenic	25		**32**	7.5 U	**41**	7.5 U	7.5 U	7.5 U
Barium	1000		**1300**	230	**1800**	180	290	170
Beryllium	3		4 U	4 U	**4.7**	4 U	4 U	4 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Chromium	50		**360**	50 U	**270**	50 U	50 U	50 U
Copper	200		**270**	50 U	**610**	50 U	58	50 U
Lead	25		**160**	4 U	**130**	4 U	**45**	4 U
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel	100		**2900**	98	**3400**	**110**	**160**	50 U
Selenium	10		40 U	40 U	40 U	40 U	40 U	40 U
Silver	50		20 U	20 U	20 U	20 U	20 U	20 U
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000		390	50 U	460	50 U	82	50 U

Notes:

U - Indicates that the compound was analyzed for but not detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
Bold - Concentration exceeds NYSDEC AWQSGVs

Table 7. Summary of Metals Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-6 07/06/07 Unfiltered	GW-6 07/06/07 Filtered	GW-7 07/09/07 Unfiltered	GW-7 07/09/07 Filtered	GW-8 07/09/07 Unfiltered	GW-8 07/09/07 Filtered
Antimony	3		12 U	12 U	12 U	12 U	12 U	12 U
Arsenic	25		**61**	7.5 U	9.3	7.5 U	7.5 U	7.5 U
Barium	1000		940	57	290	76	140	80
Beryllium	3		**5.3**	4 U	4 U	4 U	4 U	4 U
Cadmium	5		3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Chromium	50		**280**	50 U	**59**	50 U	50 U	50 U
Copper	200		**590**	50 U	72	50 U	50 U	50 U
Lead	25		**190**	4 U	21	4 U	6.8	4 U
Mercury	0.7		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nickel	100		**1700**	50 U	**520**	50 U	97	50 U
Selenium	10		40 U	40 U	40 U	40 U	40 U	40 U
Silver	50		20 U	20 U	20 U	20 U	20 U	20 U
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000		600	50 U	130	50 U	50 U	50 U

Notes:

U - Indicates that the compound was analyzed for but not detect

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservatio

AWQSGVs - Ambient Water Quality Standards and Guidance Values

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 8. Summary of Polychlorinated Biphenyl Compounds Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07
Aroclor-1016			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1221			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1232			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1242			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1248			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1254			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1260			0.27 U	0.26 U	0.26 U	0.25 U
Aroclor-1262			0.27 U	0.26 U	0.26 U	0.25 U
Total PCBs:	0.09		0	0	0	0

Notes:

NYSDEC AWQSGV for Total PCBs (sum of the Aroclors) is 0.09 µg/L

U - Compound was analyzed for but not detected

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water Quality Standards and Guidance Values

PCBs - Polychlorinated Biphenyls

Table 9. Summary of Pesticides Detected in Groundwater, Lighthouse Point, Staten Island, New York

Analyte (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 07/05/07	GW-4 07/06/07	GW-5 07/06/07	GW-8 07/09/07
4,4'-DDD	0.3		0.027 U	0.026 U	0.026 U	0.025 U
4,4'-DDE	0.2		0.027 U	0.026 U	0.026 U	0.025 U
4,4'-DDT	0.2		0.027 U	0.026 U	0.026 U	0.025 U
Aldrin	--		0.054 U	0.052 U	0.052 U	0.05 U
alpha-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
beta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
Chlordane	0.05		0.11 U	0.1 U	0.1 U	0.1 U
delta-BHC	--		0.054 U	0.052 U	0.052 U	0.05 U
Dieldrin	0.004		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan I	--		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan II	--		0.054 U	0.052 U	0.052 U	0.05 U
Endosulfan sulfate	--		0.054 U	0.052 U	0.052 U	0.05 U
Endrin	--		0.054 U	0.052 U	0.052 U	0.05 U
Endrin aldehyde	5		0.054 U	0.052 U	0.052 U	0.05 U
Endrin ketone	--		0.054 U	0.052 U	0.052 U	0.05 U
gamma-BHC (Lindane)	--		0.054 U	0.052 U	0.052 U	0.05 U
Heptachlor epoxide	0.03		0.054 U	0.052 U	0.052 U	0.05 U
Heptachlor	0.04		0.054 U	0.052 U	0.052 U	0.05 U
Methoxychlor	35		0.054 U	0.052 U	0.052 U	0.05 U
Toxaphene	0.06		0.27 U	0.26 U	0.26 U	0.25 U

Notes:

U - Compound was analyzed for but not detected
µg/L - Micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs

QUADRANGLE LOCATION

N

0 2000'

SOURCE:
USGS; 1995, Jersey City, NJ-NY
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

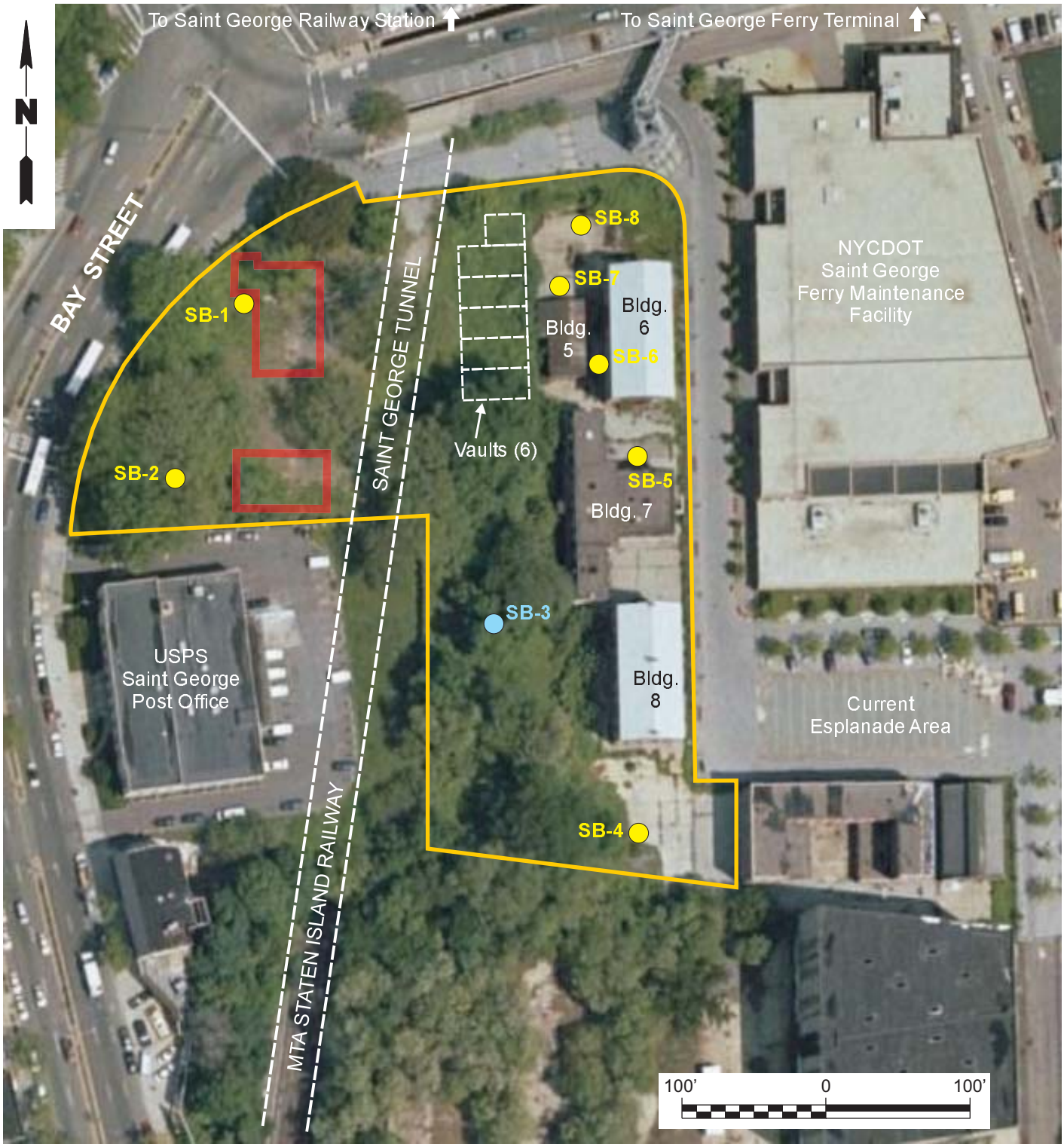
Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110503.CDR	Project No.: 163701Y	

\TRi1637Y\TRi01Y\100\TRi0110003.CDR



LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.
4. Soil boring SB-2 not completed. Drill refusal at 15 ft bls.

Title:

SITE LAYOUT AND BORING LOCATIONS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 13SEP07	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110501.CDR	Project No.: 163701Y	

\TRi1637Y\TRi01Y\100\TRi0110001.CDR

APPENDIX A

Geophysical Survey Report

Results of Geophysical Investigation

National Lighthouse Harbor Site
South Street
Staten Island, New York

Prepared for: **Roux Associates, Inc.**
Islandia, New York

Dates of Investigation: **July 2 and July 31, 2007**

Prepared by:

Gerald Williamson
Geologist
NAEVA Geophysics, Inc.
50 North Harrison Avenue, Suite 11
Congers, NY 10920

Contents

1.0 Introduction
- 1.1 Purpose
- 1.2 Areas of investigation

2.0 Methods and Instrumentation
- 2.1 TW-6
- 2.2 Ground Penetrating Radar
- 2.3 Utility Locating Instruments

3.0 Field Operations
- 3.1 Underground Storage tanks
- 3.2 Proposed Boring Locations
- 3.3 Utility Location

5.0 Results

Figure 1 Area of Geophysical Investigation: Area 1
Figure 2 Area of Geophysical Investigation: Area 2
Figure 3 Area of Geophysical Investigation: Area 3

Results of Geophysical Investigation
National Lighthouse Harbor Site
South Street
Staten Island, New York

1.0 Introduction

1.1 Purpose

On July 2 and July 31, 2007, NAEVA Geophysics Inc. conducted geophysical investigations at the National Lighthouse Harbor Site, located on South Street in Staten Island, New York. The initial purpose of this investigation was to mark out underground storage tanks (USTs), detectable subsurface utilities and buried structures in the vicinity of four existing buildings, two former buildings, and nine proposed boring locations. It was initially proposed to conduct a survey in an attempt to locate the Staten Island Rail tunnel that crossed the area of investigation. The area to be investigated was not prepared for the survey, as it was covered with vegetation and brush, thus Roux onsite personal determined the location of the rail tunnel was not needed.

NAEVA Geophysics' approach for this investigation was to utilize electromagnetic (EM) metal-detection. EM techniques offer very accurate metallic target location, and EM utility locating instruments and a ground penetrating radar (GPR) system were used to mark out detectable subsurface utilities.

1.2 Areas of investigation

The area of concern consisted of three sites: the area surrounding four existing buildings (Area 1), the area in the vicinity of two former buildings and a parking lot (Area 2), and a location along a road that ran between Area 1 and Area 2 (Area 3).

Area 1 consisted of the area surrounding four existing buildings along the eastern edge of the property. The area containing the buildings was approximately 380 feet by 100 feet in size, and was covered with concrete, debris piles, some vegetation, and the existing buildings. The eastern edge of the area, directly in front of the buildings, was covered in thick vegetation on the first day of the survey (July 2). This area was subsequently cleared of brush and vegetation, and the survey was completed on July 31 (see Figure 1).

Area 2 covered an approximate 200 feet by 300 feet area thought to be the former site of two buildings as well as a dirt and gravel parking lot. The portion of the area thought to contain the two former buildings was covered with waist to chest high vegetation on the initial survey date (July 2). This area was subsequently cleared, and the survey was completed on July 31. The parking lot area was covered with dirt and gravel and was relatively flat with some vegetation. The area of the former buildings was relatively level, with some vegetation and trees (see Figure 2).

Area 3 consisted of one proposed boring location. It was placed in a road that ran between Area 1 and Area 2. The area was covered with chest high vegetation. This was cleared in the vicinity of the proposed boring location on the initial survey date (July 2). The area within 10 feet of the proposed location was surveyed (see Figure 3).

2.0 Methods and Instrumentation

The equipment selected for this investigation included a Fisher TW-6 M-Scope metal-detector, a Sensors & Software ground penetrating radar system, and utility locating instruments.

2.1 TW-6

The Fisher TW-6 Pipe and Cable Locator, also known as the M-Scope, is a type of electromagnetic metal-detector. The instrument consists of a transmitter coil and a receiver coil mounted at opposite ends of a 4-foot horizontal staff. The transmitter is fixed in a vertical position. The receiver's orientation is then adjusted to the horizontal, exactly perpendicular to the transmitter. When the receiver is in this perpendicular orientation, its response to the transmitter is at a minimum. Metallic objects in the vicinity of the instrument pick up the transmitted signal, and acting as secondary transmitters, cause detectable interference at the receiver. By adjusting the gain of the instrument, as well as its position relative to a buried metallic object, an experienced operator can often obtain information as to the size or shape of the target.

2.2 Ground Penetrating Radar

A Sensors & Software Smart Cart ground penetrating radar (GPR) system utilizing a 250 MHz antenna was selected to investigate metal-detector anomalies and each proposed boring location. The GPR antenna radiates short pulses of electromagnetic energy into the ground. Whenever these pulses strike an interface having variant dielectric properties, part of the wave is reflected back and detected at the surface. These profiles are then examined for parabolic reflections that could be interpreted as representing underground storage tanks, foundations, subsurface utilities, or other buried objects.

2.3 Utility Locating Instruments

The equipment used for this portion of the investigation included the aforementioned Fisher TW-6 Pipe and Cable Locator, a Subsite 950 utility locator, and a 3M Dynatel 2273 cable locator. The Subsite 950 and the Dynatel 2273 both work on the principle of applying a radio frequency signal onto a metallic/electrically conductive line and then tracing the signal at the surface using a specialized receiver. The Subsite is useful for locating the surface trace of a variety of buried utilities. The Dynatel 2273 is

particularly suited to locating the surface trace of an electric line and other narrow-gauge wiring, but it can also detect larger metallic piping and linear structures.

3.0 Field Operations

3.1 Underground Storage Tanks

The TW-6 Pipe and Cable Locator was used as the primary investigative instrument. The instrument was carried over accessible portions of each area in a series of parallel traverses spaced approximately 3 feet apart to look for evidence of buried metallic features large enough to possibly represent USTs. GPR was then used to further investigate each anomaly detected by the TW-6.

Each metal anomaly was marked on the ground with pink spray paint. The locations of all anomalies were measured from permanent above ground features and recorded on the attached site maps.

3.2 Proposed Boring Locations

The TW-6 Pipe and Cable Locator, ground penetrating radar, and utility locating instruments were all used to investigate a 10 foot diameter around each proposed boring location. The TW-6 and utility locating instruments were used to delineate any detectable subsurface utilities in the vicinity of each location. The TW-6 was also used to identify any metallic objects within the subsurface that may hinder the drilling process. GPR was then used to check the locations for any subsurface features and utilities.

3.3 Utility Location

The area was first visually inspected for evidence of subsurface utilities, such as manholes, catch basins, and light poles. Many utilities carry electric currents, and therefore produce electromagnetic fields that can be detected at the surface. In addition, buried metallic conduits, acting as antennas, often pick up background commercial radio signals and re-radiate them. The site was investigated for evidence of these signals using the Subsite operating in several passive modes. The TW-6 was used to check for evidence of buried metallic structures or utilities having no surface expression.

We also investigated the area of concern by using the Dynatel 2273 in a split-box fashion. Two operators, one carrying the transmitter and one carrying the receiver, walked bi-directionally across portions of the site at a fixed distance to one another while listening for increases in signal strength that would suggest possible subsurface utilities. Where signal increases were noted, they were further investigated in an attempt to discern a signal propagating utility.

Each detected utility was marked on the ground with paint. The locations of all detected subsurface utilities were measured from permanent above ground features and recorded on the attached site maps.

4.0 Results

Area 1

The accessible areas around the four existing buildings were investigated for USTs. It should be noted that there were several areas that contained either metallic debris, or large piles of concrete debris that could not be surveyed. These areas were marked on the site map (Figure 1).

Four significant metal anomalies were identified near the southern most building, one on each side. On the east side of the building is a long rectangular metal anomaly which consists of a reinforced concrete ramp. On the south side of the building is an abnormal shaped metal anomaly surrounding a catch basin. It is most likely to be associated with reinforced concrete and/or a subsurface vault associated with the catch basin. GPR profiles collected over each of these anomalies showed no evidence of USTs. The west and north sides of the building each contain a rectangular metal anomaly. The anomaly on the north side is much larger than the west side anomaly, and both have piles of debris and junk nearby. GPR profiles collected over each of the anomalies were inconclusive. It is most likely that these anomalies are the result of patches reinforced concrete; however, the presence of the debris piles did make it difficult to investigate the entire area with GPR. The surface trace of the anomalies is also of sufficient size to possibly contain a UST. It should be noted that reinforced concrete inhibits the penetration depth of GPR, and could possibly mask the presence of a UST. One boring location, placed south of the building, was investigated for detectable utilities and subsurface obstructions.

One significant metal anomaly was identified on the west side of the central building. The metal anomaly was rectangular in shape, and in the vicinity of some scrap metal. GPR profiles collected over the anomaly proved to be inconclusive. It is likely that this anomaly is another patch of reinforced concrete, but it is of sufficient size to possibly mask a UST. One boring location was placed on the north side of the center building. Several underground utilities and small metal anomalies were identified on the north side of the building. The metal anomalies were small in size (less than two feet in diameter), and/or nonrectangular in shape, and GPR profiles collected over each of them were inconclusive. One boring location was placed on the north side of the building and investigated for detectable utilities and subsurface obstructions.

Three significant metal anomalies were identified near the two northernmost buildings. A raised, rectangular pad of reinforced concrete was identified in between the two buildings. On the north side of the eastern building, an abnormal shaped metal anomaly was identified. GPR profiles collected over the anomaly were inconclusive. It is most probable that this anomaly is also due to a patch of reinforced concrete. On the east side of the eastern building, a long rectangular metal anomaly was noted. This anomaly was most probably due to reinforced concrete blocks that were placed along the front of the building. There were four boring locations located in the vicinity of these

two buildings. They were investigated for detectable utilities and subsurface obstructions.

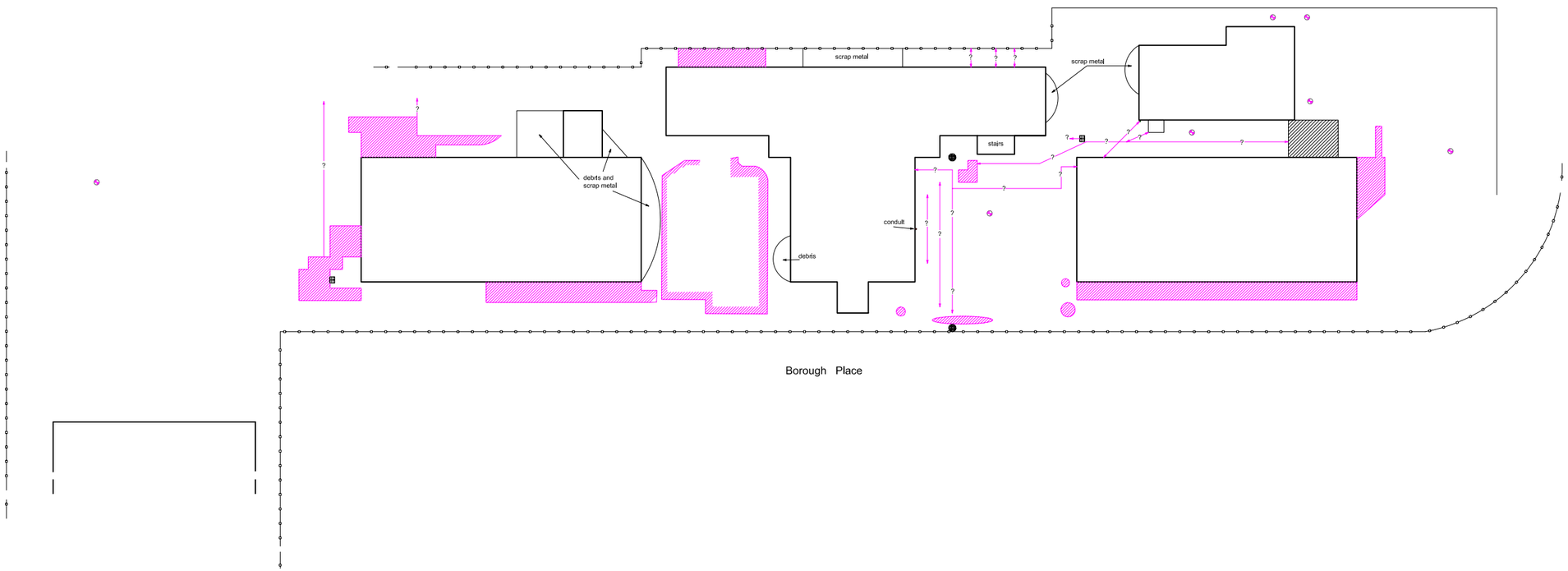
Area 2

Two significant metal anomalies were identified in the northern section of the area, near the wall. A rectangular anomaly, approximately 14 feet by 6 feet in size, and a circular anomaly, approximately 7 feet in diameter. GPR profiles collected over these anomalies showed strong reflections. They were not the hyperbolic reflections typically associated with USTs, but they still may represent a UST or some other buried feature. If further characterization of these anomalies is necessary, NAEVA recommend careful excavation of the area. There were two proposed boring locations within the area of concern. Detectable utilities and subsurface obstructions were identified and marked out in the vicinity of these locations.

Area 3

No significant metal anomalies were detected within the area of concern. One boring location was placed within the area and investigated for detectable utilities and subsurface obstructions.

NAEVA recommends you to take extra caution when excavating in the vicinity of any marked utilities and detected features.



LEGEND

?	suspected utility
	proposed exploratory boring site
	conduit
	roof drain
	chain-link fence
	metal-detector anomaly
	catch basin
	reinforced concrete
	manhole cover

approximately

20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

NACVA GEOPHYSICS, INC.
Subsurface Geophysical Surveys
50 N. Harrison Avenue, Suite 11
Congers, NY, 10920
(845)268-1800
(845)268-1802 FAX

Figure 1. Area of Geophysical Investigation: Area 1

Client	Roux Associates, Inc.	Date of Work	July 02, 2007
Project No.	C0707021X	Map By	David Swain

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

LEGEND

e	electric line		electrical conduit
ng	natural gas line		manhole cover
T?	telephone line?		parking lot lamp
?	suspected utility		metal-detector anomaly
	proposed exploratory boring site		

approximately

20 10 0 10 20 ft

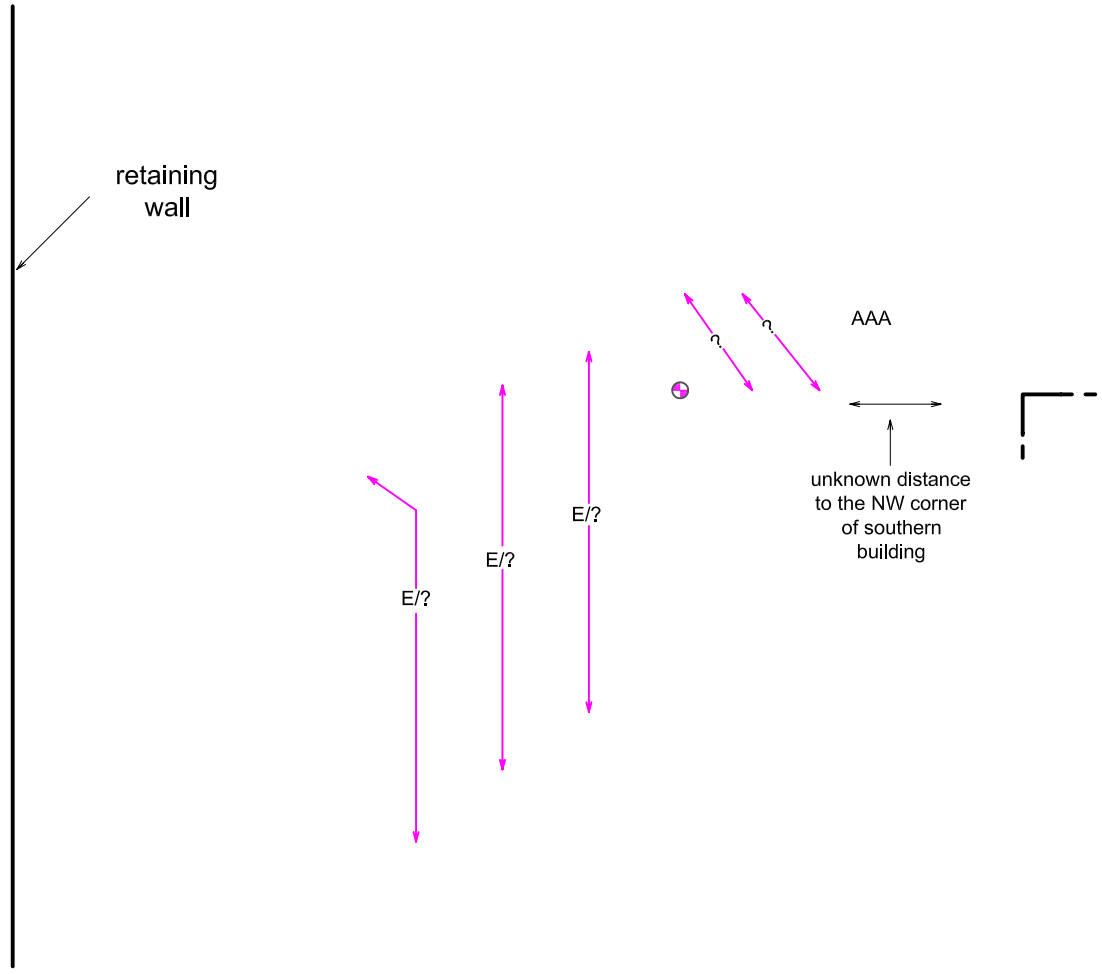
Scale: One inch equals approximately twenty feet

NAEVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys
50 N. Harrison Avenue, Suite 11
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 2: Area of Geophysical Investigation: Area 2

Client	Roux Associates, Inc	Date of Work	July 2, 2007 and July 31, 2007
Project No.	C0707021X	Map By	Gerald Williamson

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP



LEGEND

? GPR suspected utility

E? suspected electric line

proposed exploratory boring site

10 5 0 5 10 ft

Scale: One inch equals approximately ten feet

NAEVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

50 N. Harrison Avenue, Suite 11
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 3. Area of Geophysical Investigation: Area 3

Client	Roux Associates, Inc.	Date of Work	July 2 and July 31, 2007
Project No.	C0707021X	Map By	Gerald Wiliamson

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

APPENDIX B

Soil Boring Geologic Logs

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	J. Diminich	**Staten Island, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**6610DT / Geoprobe**	**2" Macro-Core**	**7/5/07-7/5/07**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Grey to dark grey, medium to coarse SAND, some Gravel; moist		0.0	
		Brown to dark brown, fine to medium SAND, little Gravel; moist			
		Orangish brown, fine SAND, little Silt, little medium Sand, trace gravel; moist		0.0	
		Orangish brown, fine SAND, little Silt, little medium Sand, trace gravel; moist		0.0	
5		Brown to orangish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.0	5
		Brown to reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.0	
		Reddish brown to brown, fine SAND, little Silt, trace Gravel; moist		1.8	
10		Reddish brown, fine SAND and Silt, trace gravel; moist		4.5	10
		Red to reddish brown, fine to medium SAND, trace gravel; moist		0.0	
15		Red to reddish brown, fine to medium (-) SAND, trace gravel; moist		0.0	15
		Reddish brown, fine to medium SAND, trace gravel; moist		1.9	
20		Reddish brown SILT, trace fine sand; moist		5.8	20
		Reddish brown, fine to medium (-) SAND, trace gravel; moist			
		Reddish brown, fine to medium SAND, little Gravel; moist		2.0	
25		Reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.5	25
				1.2	
30		Reddish brown, fine SAND, little Gravel, little Silt; moist		0.4	30
				0.8	
35		Brown to reddish brown, fine to medium SAND, little Gravel, trace silt; moist			35 Sample SB-1/35-37 collected for analysis
		Reddish brown, fine to medium SAND, little Silt, trace gravel; wet			Water encountered at approximately 37 ft bls Sample GW-1 collected for analysis
40					End of boring at 40ft bls 40

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO. **SB-2**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **163701Y / Triangle Equities - Lighthouse Point**		LOCATION **Staten Island, New York**		
APPROVED BY	LOGGED BY **C. Roth**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Joe M**		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **GH-40 / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/9/07-7/9/07**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **Not Measured**	BACKFILL **Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown, medium to fine SAND and Gravel; moist		0.0	
		Tan to red, fine SAND and Silt; moist		0.0	
		Tan to red, fine SAND and Silt, little Gravel; dry		0.0	
5					5
		Red, fine SAND and Silt, little Gravel; moist		0.0	
		Red, fine SAND and Silt, little Gravel; moist		0.6	
10					10
				0.8	
		Red, fine SAND and Silt, some Gravel; dry		0.5	
		Red to brown, fine SAND and Silt, some Gravel; dry		0.8	
15					15
					Refusal at 16ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	J. Diminich	**Staten Island, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**6610DT / Geoprobe**	**2" Macro-Core**	**7/5/07-7/5/07**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Light orangish brown, fine SAND and Silt; moist			Collect SB-3/0-0.5 for analysis
					Collect SB-3/2-2.5 for analysis
5		Light orangish brown, fine SAND, some Silt; moist			
		Brown to reddish brown, fine SAND, little Silt, trace gravel; moist			
10		Light reddish brown, fine to medium (-) SAND, little Silt, little Gravel; moist			
					Collect SB-3/12-14 for analysis
		Light reddish brown, fine to medium (-) SAND, little Silt, little Gravel; wet			Water encountered at approximately 14 ft bls
15					End of boring at 15 ft bls

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-4	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	J. Diminich	Staten Island, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6610DT / Geoprobe	2" Macro-Core	7/6/07-7/6/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.2	
		Reddish brown, fine to medium SAND, some Gravel, trace silt; moist			
5		Reddish brown, fine to medium SAND, some Gravel, trace silt; moist		0.3	
				0.2	
10		Reddish brown, fine to medium SAND, little Gravel, trace silt; moist		0.4	Sample SB-4/10-12 collected for analysis
		Reddish brown, fine to medium SAND, some Gravel, trace silt; wet		0.2	Water encountered at approximately 12 ft bls
		Reddish brown, fine to coarse (-) SAND, little Gravel, trace silt; wet		0.5	Sample GW-4 collected for analysis
15					End of boring at 15 ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO. **SB-5**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **163701Y / Triangle Equities - Lighthouse Point**		LOCATION **Staten Island, New York**		
APPROVED BY	LOGGED BY **J. Diminich**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Andrea Babel**		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6610DT / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/6/07-7/6/07**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **Not Measured**	BACKFILL **Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Brown to reddish brown, fine to medium SAND, little Silt, little Gravel; moist			
					Sample SB-5/3-5 collected for analysis
5					
		Orangish to reddish brown, fine to medium SAND, little Gravel, little Silt; wet			Water encountered at approximately 5 ft bls
					Sample GW-5 collected for analysis
10					
		Orange to reddish brown, fine to medium SAND, little Silt, trace gravel; wet			
15					End of boring at 15 ft bls

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-6	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY			
	J. Diminich	Staten Island, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Andrea Babel				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6610DT / Geoprobe	2" Macro-Core	7/6/07-7/6/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.3	
		Dark brown, fine to coarse SAND, little Gravel; moist			
		Reddish brown, fine to medium (-) SAND, little Silt, trace gravel; moist		0.5	
					Sample SB-6/3-5 collected for analysis
5					5
		Reddish brown, fine to medium (-) SAND, some Silt, trace gravel; wet		1.0	Water encountered at approximately 5 ft bls
					Sample GW-6 collected for analysis
				0.8	
10					10
		Reddish brown, fine to medium (-) SAND, some Silt, trace gravel; wet		1.2	
		Refusal			Refusal at 14 ft bls
15					15

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-7	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point		Staten Island, New York		
APPROVED BY	LOGGED BY			
	C. Roth			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joe M				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	GH-40 / Geoprobe	2" Macro-Core	7/9/07-7/9/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Red brown, fine SAND, some Silt, some Concreet fragmants, little medium Sand; moist			
1					1
2					2
		Red brown, fine SAND and Silt, some medium Sand, little Gravel, little clay; moist			
3					3
4					4
		Brown red, fine to coarse SAND, some Clay, little Gravel; moist		1.2	Sample SB-7/4-6 collected for analysis
5					5
6					6
		Red, fine SAND, some Silt, little Gravel; wet		0.5	Water encountered at approximately 6 ft bls
7					7
					Sample GW-7 collected for analysis
8					End of boring at 8ft bls 8

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, New York 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-8	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
163701Y / Triangle Equities - Lighthouse Point				
APPROVED BY	LOGGED BY	Staten Island, New York		
	C. Roth			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joe M				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	GH-40 / Geoprobe	2" Macro-Core	7/9/07-7/9/07
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	Not Measured	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Red brown, fine SAND, some Silt, little concrete fragments; moist		0.5	
1					1
2		Red brown, fine SAND, some Silt, little gravel; moist		0.8	2
3					3
4		Red brown, fine SAND, some Silt, little Gravel; moist		1.2	Sample SB-8/4-6 collected for analysis 4
5					5
6		Red brown, fine to medium SAND, little Silt; wet		1.5	6
7					Water encountered at approximately 7 ft bls 7
8		Red brown, fine SAND and Silt; wet			Sample GW-8 collected for analysis 8
9					9
10					10
11					11
12					End of boring at 12ft bls 12

APPENDIX C

Lead and Asbestos Survey Report

ASBESTOS AND LEAD BASED PAINT INSPECTION AND SAMPLING REPORT

PERFORMED AT:

LIGHTHOUSE POINT
BUILDINGS 3 (VAULTS), 5, 6, 7 & 8
STATEN ISLAND, NEW YORK

PREPARED FOR:

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 SHAFTER STREET
ISLANDIA, NEW YORK 11749
ROUX ASSOCIATES PROJECT 163701Y

PREPARED BY:

TESTWELL®
LABORATORIES,INC.
Total Commitment to Quality
47 HUDSON STREET
OSSINING, NEW YORK 10562

TLI PROJECT NO.: PNT – 026AB
AUGUST 21, 2007

1.0 EXECUTIVE SUMMARY

An inspection of the site was performed on July 2nd, 3rd, and 19th by Alex Skibenko of Testwell Laboratories, Inc. (TLI), New York State Department of Labor (NYS DOL) Asbestos Inspector Certificate No. AH98-03883 and Charles Schnugg, TLI, NYS DOL Asbestos Inspector Certificate AH89-00815.

The inspection and bulk sampling was performed to identify asbestos content and lead based paint in the building materials that may be disturbed during the proposed work associated with the planned rehabilitation and restoration of the five (structures identified as buildings 3 (vault), 5, 6, 7 and 8 of the former US lighthouse Administration facility located in Staten Island, New York.

Samples of suspect materials that could be impacted during the current proposed work were collected for laboratory analysis to determine asbestos content or lead based paint content, if any. Asbestos containing materials are defined by the US EPA (40 CFR 61.145) and NYC DEP (15 RCNY Chapter 1) as a material containing greater than 1%, by weight, asbestos content. US Department of Housing and Urban Development (HUD) as a paint material with lead content of greater than 0.5% by weight.

Based on the field inspection observations and sampling, review of planned renovation work, and laboratory results of samples, asbestos containing materials (ACM) listed in the following table will be affected during the proposed alteration or renovation work.

LOCATION	AFFECTED ASBESTOS CONTAINING MATERIAL	APPROX. QUANT.	SF / LF	COND.
Building 3 - Vaults				
Vault # 3	5 Gallon Pails of Roof Cement*	6	EA	SD
Building 5				
Entire	Floor Tile/Mastic (2 Layers)	820	SF	SD
Roof	Red Roof Shingle & Tarpaper	2,250	SF	SD
Building 6				
Floors 1 - 4	Pipe Insulation	820	LF	SD
1st Floor Boiler Room	Boiler Insulation	200	SF	SD
1st Floor Boiler Room	Transite Ceiling	200	SF	SD
Floors 1 - 4	Floor Tile (Mastic Non-ACM)	5,160	SF	SD
Roof	Multiple Layer Built-up Roofing & Flashing*	5,040	SF	D
Building 7				
Floors B - 3	Pipe Insulation	425	LF	SD
Floors B - 3	9" x 9" Multicolored Floor Tile and Mastic	14,400	SF	SD
Exterior	Transite Panel	200	SF	SD
Roof	Built-up Roofing*	4,100	SF	SD
Exterior	Nailcrete & Tarpaper Under Mansard Roof*	5,100	SF	SD
Building 8				
Floors B - Attic	Pipe Insulation	480	LF	SD
Floors B - Attic	Pipe Insulation Debris on Floor	1,000	SF	SD
Attic	Elevator Brake Shoes*	2	SF	D
Floor 1	Floor Tile	3,200	SF	SD
Roof	Built-up Roofing*	3,400	SF	SD

** - MATERIALS INACCESSIBLE FOR SAMPLING AND ASSUMED TO BE ASBESTOS CONTAINING BASED ON AGE/COLOR/APPEARANCE. CONFIRMATORY SAMPLING IS RECOMMENDED PRIOR TO REMOVAL/ABATEMENT*

CONDITION ASSESSMENT:

SD – Significantly Damaged: ≥ 10% Damaged or ≥ 25% Localized Damage
D – Damaged: < 10% Damaged or < 25% Localized Damage
G – Good: No Visible or Very Limited Damage

2.0 PURPOSE/INTENT

An extensive rehabilitation and restoration of the buildings identified at 3 (vaults), 5, 6, 7 and 8 is planned at the former National Lighthouse facility located in Staten Island, New York. TLI was retained by Roux Associates, Inc. Hill to perform asbestos and lead based paint sampling of the areas subject to the planned project. This inspection was performed to determine if the asbestos-containing materials (ACM) or Lead Based Paint (LBP) would be impacted during the proposed renovation work. In accordance with 15 RCNY Chapter 1, 12 NYCRR 56 "Asbestos" and 40 CFR 61.145 (M), an asbestos investigation is required prior to conduct of the any renovation/alteration work.

3.0 INSPECTION

An inspection of the site was performed on July 2nd, 3rd, and 19th by Alex Skibenko of Testwell Laboratories, Inc. (TLI), New York State Department of Labor (NYS DOL) Asbestos Inspector Certificate No. AH98-03883 and Charles Schnugg, TLI, NYS DOL Asbestos Inspector Certificate AH89-00815. Mr Luc Derrendger of Roux Associates, Inc. accompanied Testwell personnel during the site inspections.

4.0 SAMPLING OF SUSPECT MATERIALS

Bulk sampling of suspect asbestos materials was performed in accordance with protocol contained in the US EPA Asbestos Hazard Emergency Response Act of 1986 (40 CFR 763 AHERA) and the US EPA "Simplified Sampling Scheme: (pink book). Samples were placed into leak-tight plastic sample containers, carefully noting the location and material sampled and stored for transport to the laboratory facility. A chain-of-custody and analysis requested was initiated for all samples collected.

Sampling of painted surfaces for lead content was performed in accordance with US EPA/HUD's "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards" Chapter 7: "Lead-Based Paint Inspection" (1997 Revision) and with protocol described in the American Standard Testing Materials (ASTM) standard ES-28. After completed an inventory of painted surfaces and units to be inspected, paint-chips samples were collected from each sampling combination identified by substrate and color. Each paint-chip sample was placed in a hard-shelled plastic container, uniquely numbered and sent to the laboratory for analysis accompanied with the samples chain-of-custody.

5.0 LABORATORY ANALYSIS

Samples for asbestos content were analyzed by Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency's Interim Method for the Detection of Asbestos in Bulk Insulation Samples (EPA- 600/M4-82020, December 1982) and the McCrone Research Institute's The Asbestos Particle Atlas as method reference. Non-friable Organically Bound (NOB) samples were analyzed via gravimetric reduction method. In general, these materials are flexible-to-rigid asphalt, vinyl or an off – organic type matrix. This included, but not limited to vinyl floor tiles, floor tiles mastic or glue, roofing tarpaper or shingles, asphalt tar waterproofing materials, window and door caulk, etc. The protocol requires that samples are analyzed by a gravimetric reduction method and the sample is subject to a series of ashing and weighing prior to analysis. Once the NOB samples were gravimetrically reduced it can then be analyzed via Polarized Light Microscopy (PLM). If a NOB sample contains >1% asbestos, the sample may be reported as asbestos containing and no further analysis is required. If PLM analysis indicated an asbestos concentration of <1%, then the absence of asbestos fibers must be confirmed by Transmitted Electron Microscopy (TEM). This method is referred to as the Gravimetric Matrix Method (ELAP Items 198.1 and 198.4).

A summary of findings is indicated in the following tables:

BUILDING #3 (VAULTS)

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
3-01	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-02	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-03	1	Vault # 3 Interior	Freezer Unit Insulation	Non-ACM by PLM	-	-
3-04]	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM
3-05	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM
3-06	2	Vault # 2 Interior	Red Roof Shingle Stockpile	-	Non-ACM by PLM	Non-ACM by TEM

BUILDING #5

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
5-02-01	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-02	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-03	1	Building #5 Exterior	Masonry Block	Non-ACM by PLM	-	-
5-02-04	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-05	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-06	2	Building #5 Exterior	Masonry Block Mortar	Non-ACM by PLM	-	-
5-02-07	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-02-08	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-02-09	3	Building #5 Exterior	Brick Mortar	Non-ACM by PLM	-	-
5-19-01	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-02	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-03	1	Building #5 Exterior	Window Glazing Putty	-	Non-ACM by PLM	Non-ACM by TEM
5-19-04	2	Building #5 Interior	9x9 Red Floor Tile	-	**3.32% Chrysotile**	-
5-19-05	2	Building #5 Interior	9x9 Red Floor Tile	-	**NA/PS**	-
5-19-06	2	Building #5 Interior	9x9 Red Floor Tile	-	**NA/PS**	-
5-19-07	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**9.52% Chrysotile**	-
5-19-08	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**NA/PS**	-
5-19-09	3	Building #5 Interior	9x9 Cream Floor Tile/Mastic	-	**NA/PS**	-
5-19-10	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-11	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-12	4	Building #5 Interior	Wall Plaster White Coat	Non-ACM by PLM	-	-
5-19-13	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-
5-19-14	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
5-19-15	4	Building #5 Interior	Wall Plaster Brown Coat	Non-ACM by PLM	-	-
5-19-16	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-17	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-18	5	Building #5 Interior	Debris on Floor	Non-ACM by PLM	-	-
5-19-19	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-20	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-21	6	Building #5 Interior	Sheetrock	Non-ACM by PLM	-	-
5-19-22	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-23	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-24	7	Building #5 Interior	2x4 Fiberglass Ceiling Tile	Non-ACM by PLM	-	-
5-19-25	8	Building #5 Exterior	Red Roof Shingle	-	2.63% Chrysotile	-
5-19-26	8	Building #5 Exterior	Red Roof Shingle	-	NA/PS	-
5-19-27	8	Building #5 Exterior	Red Roof Shingle	-	NA/PS	-
5-19-28	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	13.66% Chrysotile	-
5-19-29	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	NA/PS	-
5-19-30	9	Building #5 Exterior	Tar Paper Under Red Roof Shingle	-	NA/PS	-

BUILDING #6

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
6-1	1	Interior 1-4	Pipe Insulation	**21% Chrysotile**	-	-
6-2	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-3	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-4	1	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
6-5	2	Interior 1st Floor Boiler Room	Boiler Insulation	**13% Chrysotile**	-	-
6-6	2	Interior 1st Floor Boiler Room	Boiler Insulation	**NA/PS**	-	-
6-7	2	Interior 1st Floor Boiler Room	Boiler Insulation	**NA/PS**	-	-
6-8	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**3.48% Chrysotile**	-
6-9	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**NA/PS**	-
6-10	3	Interior 2nd Floor	9x9 Green Floor Tile	-	**NA/PS**	-
6-11	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-12	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-13	4	Interior 2nd Floor	9x9 Green Floor Tile Mastic	-	Non-ACM by PLM	Non ACM by TEM
6-14	5	Interior 1st Floor Boiler Room	Transite Ceiling	**28% Chrysotile**	-	-
6-15	5	Interior 1st Floor Boiler Room	Transite Ceiling	**NA/PS**	-	-
6-16	5	Interior 1st Floor Boiler Room	Transite Ceiling	**NA/PS**	-	-
6-17	6	Interior 4th Floor	Pipe Insulation Paper	-	**36.42% Chrysotile**	-
6-18	6	Interior 4th Floor	Pipe Insulation Paper	-	**NA/PS**	-
6-19	6	Interior 4th Floor	Pipe Insulation Paper	-	**NA/PS**	-
6-20	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-21	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-22	7	Interior 1-4	Wall Plaster White Coat	Non-ACM by PLM	-	-
6-23	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-
6-24	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
6-25	8	Interior 1-4	Wall Plaster Gray Coat	Non-ACM by PLM	-	-
6-26	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-27	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-28	9	Interior 1-4	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
6-29	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-30	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-31	10	Interior 1-4	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
6-32	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-33	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-34	11	Interior 1-4	Brick Mortar	Non-ACM by PLM	-	-
6-35	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-36	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-37	12	Interior 1st Floor	Green Wall Covering	-	Non-ACM by PLM	Non-ACM by TEM
6-38	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-39	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-40	13	Interior 1-4	12x12 Ceiling Tile	Non-ACM by PLM	-	-
6-41	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-42	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-43	14	Interior 1-4	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
6-44	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-
6-45	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-
6-46	15	Interior 1-4	Drywall on Ceiling	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-1	1	Ground Floor Exterior	Transite Wall Cover	**10.2% Chrysotile**	-	-
7-2	1	Ground Floor Exterior	Transite Wall Cover	**NA/PS**	-	-
7-3	1	Ground Floor Exterior	Transite Wall Cover	**NA/PS**	-	-
7-4	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-5	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-6	2	Ground Floor Exterior	Brick Mortar	Non-ACM by PLM	-	-
7-7	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-8	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-9	3	Ground Floor Exterior	Concrete Block Mortar	Non-ACM by PLM	-	-
7-10	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-11	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-12	4	Ground Floor Exterior	Decoration on Concrete Block	Non-ACM by PLM	-	-
7-13	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-14	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-15	5	Ground Floor Exterior	Plaster on Brick	Non-ACM by PLM	-	-
7-16	6	Interior 1-3	Mastic on Wood Floor	-	**7.5% Chrysotile**	-
7-17	6	Interior 1-3	Mastic on Wood Floor	-	**NA/PS**	-
7-18	6	Interior 1-3	Mastic on Wood Floor	-	**NA/PS**	-
7-19	7	Interior 1-3	Pipe Insulation	**11.3 % Chrysotile**	-	-
7-20	7	Interior 1-3	Pipe Insulation	**NA/PS**	-	-
7-21	7	Interior 1-3	Pipe Insulation	**NA/PS**	-	-
7-22	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-
7-23	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-
7-24	8	Interior 1-3	Pipe Insulation Cover	Non-ACM by PLM	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-25	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-26	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-27	9	Interior 1-3	Wall Plaster Gray Coat	tr Chrysotile	-	-
7-28	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-29	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-30	10	Interior 1-3	Wall Plaster White Coat	Non-ACM by PLM	-	-
7-31	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-32	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-33	11	Interior 1-3	Ceiling Plaster White Coat	Non-ACM by PLM	-	-
7-34	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-35	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-36	12	Interior 1-3	Ceiling Plaster Gray Coat	Non-ACM by PLM	-	-
7-37	13	Interior 1-3	9x9 Green Floor Tile	-	**5.35% Chrysotile**	-
7-38	13	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-39	13	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-40	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**3.4% Chrysotile**	-
7-41	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
7-42	14	Interior 1-3	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
7-43	15	Interior 1-3	Floor Tile Mastic	-	**8.33% Chrysotile**	-
7-44	15	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-45	15	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-46	16	Interior 1-3	9x9 Green Floor Tile	-	**12.1% Chrysotile**	-
7-47	16	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-
7-48	16	Interior 1-3	9x9 Green Floor Tile	-	**NA/PS**	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
7-49	17	Interior 1-3	Floor Tile Mastic	-	**11.2% Chrysotile**	-
7-50	17	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-51	17	Interior 1-3	Floor Tile Mastic	-	**NA/PS**	-
7-52	18	Interior 1-3	9x9 Gray Floor Tile	-	**4.2% Chrysotile**	-
7-53	18	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-54	18	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-55	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-56	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-57	19	Interior 1-3	12x12 Ceiling Tile Glue	-	Non-ACM by PLM	Non-ACM by TEM
7-58	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-59	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-60	20	Interior 1-3	12x12 Ceiling Tile	Non-ACM by PLM	-	-
7-61	21	Interior 1-3	9x9 White Floor Tile	-	**2.8% Chrysotile**	-
7-62	21	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-63	21	Interior 1-3	9x9 Gray Floor Tile	-	**NA/PS**	-
7-64	22	Interior 3rd Floor	Tar Paper on Floor	-	**12.3% Chrysotile**	-
7-65	22	Interior 3rd Floor	Tar Paper on Floor	-	**NA/PS**	-
7-66	22	Interior 3rd Floor	Tar Paper on Floor	-	**NA/PS**	-
7-67	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-68	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-69	23	Interior 1-3	Drywall	Non-ACM by PLM	-	-
7-70	24	Interior 3rd Floor	Pipe Wrap	tr Chrysotile	-	-

TLI FIELD SAMPLE	HOMOG. AREA	LOCATION	MATERIAL	LABORATORY TEST RESULTS		
				FRIABLE	NOB PLM	NOB TEM
8-1	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-2	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-3	1	Interior 1-4	Pipe Insulation Cover	Non-ACM by PLM	-	-
8-4	2	Interior 1-4	Pipe Insulation	**14% Chrysotile**	-	-
8-5	2	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
8-6	2	Interior 1-4	Pipe Insulation	**NA/PS**	-	-
8-7	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-8	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-9	3	Interior Attic	Transite Roof	-	Non-ACM by PLM	Non-ACM by TEM
8-10	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**14% Chrysotile**	Non-ACM by TEM
8-11	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
8-12	4	Interior 1st Floor	9x9 Lt Brown Floor Tile	-	**NA/PS**	-
8-13	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM
8-14	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM
8-15	5	Interior 1st Floor	9x9 Lt Brown Floor Tile Mastic	-	Non-ACM by PLM	Non-ACM by TEM

Samples collected for lead content were analyzed by a laboratory recognized under US EPA's National Lead Laboratories Accreditation Program (NLLAP), and NYS DOH Environmental Laboratories Approval Program (ELAP). The Atomic Absorption Spectrometry (AAS) analytical technique was utilized as per ASTM method D-3335-85a.

BUILDING #3 (VAULTS)

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
White Paint on Walls	Vault # 6	1	Non-LBP
White Paint on Walls	Vault # 3	1	Non-LBP

BUILDING #5

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Green Paint on Walls	Exterior	2	LBP
Lt. Green Paint on Window	Exterior	2	LBP
Green Paint on Walls	Interior	1	LBP

BUILDING #6

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Black Lt Brown Paint on Door	Interior	1	LBP
Gray White Paint on Window	Interior	1	LBP
Gray Paint on Door	Interior	1	LBP
Red Paint on Fire Standpipe	Interior	1	LBP
Lt Blue Paint on Wall Column	Interior	1	Non-LBP
Beige Paint on Beam Column	Interior	1	Non-LBP
Black Paint on Stairway Risers	Interior	1	LBP
Gray Red Paint on Stairway Stringers	Interior	1	LBP
Blue Beige Paint on Ceiling 2nd Floor	Interior	1	LBP
Green Beige Paint on Column Wall 2nd Floor	Interior	1	LBP
Lt Brown Green Paint on Wall 3rd Floor	Interior	1	LBP
Yellow Paint on Wall 4th Floor	Interior	1	LBP

BUILDING #7

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Green White Paint on Window	Interior	1	Non-LBP
Gray green Paint on Door	Interior	1	Non-LBP
Blue Paint on Wall	Interior	1	Non-LBP
Gray Paint on Stairway	Interior	1	LBP
Yellow Paint on Temporary Wall	Interior	1	Non-LBP
Brown Paint on Stair Wall	Interior	1	LBP
White Paint on Door	Interior	1	LBP
Lt Blue Paint on Window	Interior	1	LBP

BUILDING #7

SUSPECT LEAD BASED PAINT CONTAINING SURFACE(S)	LOCATION	NO. OF SAMPLES	RESULTS
Red Brown Paint on Door	Interior	1	LBP
Black Paint on Wall	Interior	1	LBP
Dark Gray Paint on Window	Interior	1	LBP

Complete sample laboratory analysis data sheets are attached in Appendix A (asbestos) and B (lead based paint) of this report.

6.0 CONCLUSIONS/RECOMMENDATIONS

Laboratory analysis results confirm the presence of asbestos fibers more than 1% by weight in several suspect building materials throughout the former National Lighthouse facility located in Staten Island, New York. Prior to renovation activities, all asbestos contained materials identified in this report should be removed in accordance with 15 RCNY Chapter 1, 12 NYCRR Part 56 "Asbestos" and 40 CFR 61.145.

Services performed by Testwell Laboratories, Inc. and summarized in this report have been conducted in accordance with Title 15 of RCNY, 40 CFR 763 (AHERA), US EPA Simplified Sampling Scheme and 12 NYCRR Part 56 "ASBESTOS".

The undersigned has reviewed this report and certifies to the Roux Associates, Inc. and their respective clients that the information provided in this report is accurate as of the date of issuance.

Testwell Laboratories, Inc.

Alex Skibenko
NYS DOL Asbestos Inspector AH98-03883

Charles Schnugg
NYS DOL Asbestos Inspector AH89-00815

Harish Rajsakha-Maher
US EPA Lead Based Paint Inspector/Risk Assessor NY-R-7285-1

APPENDIX A

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY ASBESTOS

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse Vaults 1-6
DATE OF REPORT:08/16/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-146-01	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
02 07-07-146-02	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
03 07-07-146-03	COLOR	Yellow	Freezer vault insulation	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					

Analyst: 8.13
A. Barengolts

Laboratory Director
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 762-9638

Bulk Sample Data Chain of Custody Page 1 of 1

Client: ROOX
Project Site: 51 LIGHTHOUSE VAULTS 1 - 6
Project Address:
Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)

Project #: PNT-026AB
Date: 7/19/07
Inspector: C. SCHNUGG
Signature:

Date Analyzed: Analyst: (PLM)
Date Analyzed: Analyst: (TEM)
Batch # 07-07-146

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (-)
01		VAULT #3			FREEZER UNIT INSULATION		F	YELL				—
02		↓										—
03		↓										—
04		VAULT #2			RED ROOF SHINGLE -STORED		N	RED				—
05		↓										—
06		↓										—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/20/07			7/20/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-146
DATES OF ANALYSIS: 07/29/07

PROJECT: SI Lighthouse Vaults 1-6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/18/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
04	07-07-146-04	Red roof shingle stored	49.30	22.70	28.00	**ND**	NA	**ND**	NA	**Negat.**
05	07-07-146-05	Red roof shingle stored	51.44	10.05	38.52	**ND**	NA	**ND**	NA	**Negat.**
06	07-07-146-06	Red roof shingle stored	47.30	5.78	46.42	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of LTS Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

TESTWE: ABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 (FAX (914) 941-4154)

Bulk Sample Data Chain of Custody Page 1 of 1

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/2/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) [illegible]
Date Analyzed: Analyst: (TEM) Batch # 07-07-026

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
01	1ST.	INTER	1	1	Block	N	F	BROWN				–
02	↓	↓	↓	2	↓	↓	↓	↓				–
03			↓	3	↓	↓	↓	↓				–
04			2	1	Block MORTER	N	F	GRAY				–
05			↓	2	↓	↓	↓	↓				–
06			↓	3	↓	↓	↓	↓				–
07			3	1	BRICKS MORTER	N	F	GRAY				–
08			↓	2	↓	↓	↓	↓				–
09	↓	↓	↓	3	↓	↓	↓	↓				–

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SKIBENK	7/6/7		[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

DoA 7/6/07

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/27/07

PROJECT: SI Lighthouse Bldg 5
DATE OF REPORT: 08/17/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
10 07-07-148-10	COLOR	White	Wall plaster W/C	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
11 07-07-148-11	COLOR	White	Wall plaster W/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
12 07-07-148-12	COLOR	White	Wall plaster W/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
13 07-07-148-13	COLOR	Tan	Wall plaster B/C	%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
14 07-07-148-14	COLOR	Tan	Wall plaster B/C	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
15 07-07-148-15	COLOR	Tan	Wall plaster B/C	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/27/07

PROJECT: SI Lighthouse Bldg 5
DATE OF REPORT: 08/17/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
16 07-07-148-16	COLOR	Gray	Debris on floor	4%CELL 1%FBGL	95%	NAD
	# LAYERS	1				
	SCAN					
17 07-07-148-17	COLOR	Gray	Debris on floor	1%CELL	99%	NAD
	# LAYERS	1				
	SCAN					
18 07-07-148-18	COLOR	Gray	Debris on floor	1%CELL	99%	NAD
	# LAYERS	1				
	SCAN					
19 07-07-148-19	COLOR	White	Sheetrock	2%CELL	98%	NAD
	# LAYERS	1				
	SCAN					
20 07-07-148-20	COLOR	White	Sheetrock	3%CELL	97%	NAD
	# LAYERS	1				
	SCAN					
21 07-07-148-21	COLOR	White	Sheetrock	3%CELL	97%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: CORE Environmental
DATE OF ANALYSIS: 07/27/07

PROJECT: 242 Street Station
DATE OF REPORT: 07/27/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
22 07-07-148-22	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
23 07-07-148-23	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					
24 07-07-148-24	COLOR	Brown	2x4 ceiling tile	100%FBGL	0%	NAD
	# LAYERS	1				
	SCAN					

Analyst: for A. Barengolts

Laboratory Director E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX **(914) 762-9638**

Bulk Sample Data Chain of Custody Page 1 of 3

Client: ROUX
Project Site: 51 LIGHTHOUSE BUILDING 5
Project Address:
Report to: **C. SCHNUGG** (Name) **TLI** (Company) **schnugg_c@testwelllabs.com** (Tel/Fax)
Date Analyzed: _____ Analyst: (PLM) _____
Date Analyzed: _____ Analyst: (TEM) _____

Project #: PNT-026A3
Date: 7/19/07
Inspector: L SCHNUGG
Signature:

Batch # 07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (C)
01	GR	EXT		1	WINDOW PUTTY	N	N	GRY				
02												
03												
04	KR	INT		2	9x9 RED FLOOR TILE	N	N	RED				
05												
06												
07	GR	INT		3	9x9 CREAM FLOOR TILE UNDER RED	N	N	WHT				
08												
09												
10	GR	INT		4	WALL PLASTER W/C	N	F	WHT				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/20			7/20/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX **(914) 762-9638**

Bulk Sample Data Chain of Custody Page 2 of 3

Client: Roux

Project Site: 51 LIGHTHOUSE BLDG 5

Project Address:

Report to: **C. SCHNUGG** (Name) **TLI** (Company) **schnugg_c@testwelllabs.com** (Tel/Fax)

Date Analyzed: Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

Project #: PNT-026

Date: 7/19/07

Inspector: C. Schnugg

Signature:

Batch #07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	TEM NUMBER	(+) (-)
11	GR	INT		4	WALL PLASTER W/C	N	F	WHT				
12				4	〃	〃	〃	〃				
13	GROUND	INTERIOR		5	WALL PLASTER B/C	N	F	TAN				
14	〃	〃		〃	〃	〃	〃	〃				
15	〃	〃		〃	〃	〃	〃	〃				
16	GR	INT		6	DEBRIS ON FLOOR	N	F	GRY				
17	〃	〃		〃	〃	〃	〃	〃				
18	〃	〃		〃	〃	〃	〃	〃				
19	2	INTERIOR		7	SHEETROCK	N	F	WHT				
20	〃	〃		〃	〃	〃	〃	〃				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
[signature]	7/20/07		Adil Anwar	7/20/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 762-9638

Bulk Sample Data Chain of Custody Page 3 of 3

Client: ROUX

Project Site: 51 LIGHTHOUSE BLDG #5

Project Address:

Report to: C. SCHNUGG (Name) TLI (Company) schnugg_c@testwelllabs.com (Tel/Fax)

Date Analyzed: Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

Project #: PNT-026

Date: 7/19/07

Inspector: C. SCHNUGG

Signature:

Batch # 07-07-148

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	TEM NUMBER	(+) (-)
21	GR	INT		7	SHEETROCK	N	F	WHT				
22	GR	INTERIOR		8	2x4 FG CEILING TILE	N	F	BRN				
23	↓	↓		↓	↓	↓	↓	↓				
24	↓	↓		↓	↓	↓	↓	↓				
25	R	EXTERIOR		9	RED ROOF SHINGLE	N	F	RED				
26	↓	↓		↓	↓	↓	↓	↓				
27	↓	↓		↓	↓	↓	↓	↓				
28	R	EXTERIOR		10	TAR PAPER FROM GROUND	N	N	BLK				
29	↓	↓		↓	↓	↓	↓	↓				
30	↓	↓		↓	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	7/26		Adil Anyasi		
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-148
DATES OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse, Bldg 5
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/15/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
01	07-07-148-01	Window Putty	24.51	58.77	16.72	**ND**	NA	**ND**	NA	**Negat.**
02	07-07-148-02	Window Putty	20.38	66.79	12.82	**ND**	NA	**ND**	NA	**Negat.**
03	07-07-148-03	Window Putty	22.05	66.38	11.57	**ND**	NA	**ND**	NA	**Negat.**
04	07-07-148-04	9x9 Red Fool Tile	34.31	43.53	18.84	**3.32**	Chrys.	**NA**	NA	**Posit.**
05	07-07-148-05	9x9 Red Fool Tile	35.65	43.50	20.85	**SAMPLE NOT ANALYZED**				
06	07-07-148-06	9x9 Red Fool Tile	35.14	39.31	25.55	**SAMPLE NOT ANALYZED**				
07	07-07-148-07	9x9 Cream Floor Tile under Red	29.27	7.25	53.95	**9.52**	Chrys.	**NA**	NA	**Posit.**
08	07-07-148-08	9x9 Cream Floor Tile under Red	32.81	15.50	51.69	**SAMPLE NOT ANALYZED**				
09	07-07-148-09	9x9 Cream Floor Tile under Red	34.13	15.70	50.18	**SAMPLE NOT ANALYZED**				
25	07-07-148-25	Red Roof Shingle	19.61	77.10	0.66	**2.63**	Chrys.	**NA**	NA	**Posit.**
26	07-07-148-26	Red Roof Shingle	23.70	71.39	4.92	**SAMPLE NOT ANALYZED**				

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LIC, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-148
DATES OF ANALYSIS: 07/28/07

PROJECT: SI Lighthouse, Bldg 5
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 08/15/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
27	07-07-148-27	Red Roof Shingle	11.33	87.59	1.08	**SAMPLE NOT ANALYZED**				
28	07-07-148-28	Tar paper from ground, exterior	4.64	78.29	3.41	**13.66**	Chrys.	**NA**	NA	**Posit.**
29	07-07-148-29	Tar paper from ground, exterior	76.69	1.69	21.61	**SAMPLE NOT ANALYZED**				
30	07-07-148-30	Tar paper from ground, exterior	81.49	1.49	17.01	**SAMPLE NOT ANALYZED**				

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of LTS Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-024-01	COLOR	White	Pipe Insulation 1st Floor	0%	79%	21%CH TRACE AMOS
	# LAYERS	1				
		POINT				
02 07-07-024-02	COLOR	White	Pipe Insulation 2nd Floor			NA
	#LAYERS	1				
03 07-07-024-03	COLOR	White	Pipe Insulation 3rd Floor			NA
	#LAYERS	1				
04 07-07-024-04	COLOR	White	Pipe Insulation 4th Floor			NA
	# LAYERS	1				
05 07-07-024-05	COLOR	White	Boiler Insulation	0%	87%	13%CH
	# LAYERS	1				
		POINT				
06 07-07-024-06	COLOR	White	Boiler Insulation			NA
	# LAYERS					
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
07 07-07-024-07	COLOR	White	Boiler Insulation			NA
	#LAYERS	1				
14 07-07-024-14	COLOR	Grey	Transite Ceiling in Boiler Room	0%	72%	28%CH
	# LAYERS	1				
		POINT				
15 07-07-024-15	COLOR	Grey	Transite Ceiling in Boiler Room			NA
	# LAYERS	1				
16 07-07-024-16	COLOR	Grey	Transite Ceiling in Boiler Room			NA
	# LAYERS	1				
17 07-07-024-17	COLOR	Wh/Grey	Pipe Insulation 4th Floor	93%CELL	4.5%	2.5%CH
	# LAYERS	1				
		POINT				
18 07-07-024-18	COLOR	Wh/Grey	Pipe Insulation 4th Floor			NA
	# LAYERS	1				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
19 07-07-024-19	COLOR	Wh/Grey	Pipe Insulation 4th Floor			NA
	# LAYERS	1				
20 07-07-024-20	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
21 07-07-024-21	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
22 07-07-024-22	COLOR	White	Wall Plaster 1st layer	0%	100%	NAD
	# LAYERS	1				
	SCAN					
23 07-07-024-23	COLOR	Grey	Wall Plaster	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
24 07-07-024-24	COLOR	Grey	Wall Plaster	2%HAIR	98%	NAD
	# LAYERS	1				
	SCAN					
25 07-07-024-25	COLOR	Grey	Wall Plaster	3%HAIR	97%	NAD
	# LAYERS	1				
	SCAN					
26 07-07-024-26	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
27 07-07-024-27	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
28 07-07-024-28	COLOR	White	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
29 07-07-024-29	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
30 07-07-024-30	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
31 07-07-024-31	COLOR	Grey	Ceiling Plaster	0%	100%	NAD
	# LAYERS	1				
	SCAN					
32 07-07-024-32	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
33 07-07-024-33	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
34 07-07-024-34	COLOR	Lt Brown	Brick Mortar	0%	100%	NAD
	# LAYERS	1				
	SCAN					
38 07-07-024-38	COLOR	Wh/Br	12"x12" Ceiling Tile	99%CELL	1%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
39 07-07-024-39	COLOR	Wh/Br	12"x12" Ceiling Tile	98%CELL	2%	NAD
	# LAYERS	1				
	SCAN					
40 07-07-024-40	COLOR	Wh/Br	12"x12" Ceiling Tile	98%CELL	2%	NAD
	# LAYERS	1				
	SCAN					
44 07-07-024-44	COLOR	Wh/Br	Dry Wall on Ceiling	9%CELL 1%FBGL	90%	NAD
	# LAYERS	1				
	SCAN					
45 07-07-024-45	COLOR	Wh/Br	Dry Wall on Ceiling	7%CELL 1%FBGL	92%	NAD
	# LAYERS	1				
	SCAN					
46 07-07-024-46	COLOR	Wh/Br	Dry Wall on Ceiling	7%CELL 1%FBGL	92%	NAD
	# LAYERS	1				
	SCAN					

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Analyst: _____ 6.13
A. Barengolts

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

TESTWEL ABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT (Building #6)

Project Address: One Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) K-Nolly

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (-)
1	4	INTER	1	1	PIPE INSULAT. FLOOR #1	N	F	WHITE		+		21% CH + TR AM
2				2	PIPE INSULATION FLOOR #2	N	F	WHITE				
3				3	PIPE INSULATION FLOOR #3	N	F	WHITE				
4				4	PIPE INSULATION FLOOR #4	N	F	WHITE		+		17% CH +
5			2	1	BOILER INSULATION	N	F	WHITE				
6				2	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~				
7				3								
8			3	1	9x9 2nd FLOOR FLOORTILE	N	N	GREY				
9				2								
10				3								

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adil Argari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Building #6

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. Morrison

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
11	1/4	INT.	4	1	2nd MASTIC. FLOOR	N	F ?	black				
12	↓	↓	↓	2	↓	↓	↓ ?	↓				
13	↓	↓	↓	3	↓	↓	↓ 2	↓				
14	↓	↓	5	1	TRANSITE SIDING IN BOILER ROOM	N	F	GRAY		+		
15	↓	↓	↓	2	↓	↓	↓	↓				
16	↓	↓	↓	3	↓	↓	↓	↓				
17	↓	↓	6	1	PIPE INSULATION (PAPER) 4 FLOOR	Y	N	WHITE		+		
18	↓	↓	↓	2	↓	↓	↓	↓				
19	↓	↓	↓	3	↓	↓	↓	↓				
20	↓	↓	7	1	FIRST layer WALL PLASTER	N	F	WHITE				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 5 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Build. #6

Project Address: ONE Lighthouse PLAZA S.I, NY10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-08 Analyst: (PLM) A-BOVAGNO

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
21	1-4	INTER	7	2	WALL PLASTER	N	F	WHITE				
22				3								
23			8	1	WALL PLASTER	N	F	GRAY				
24				2								
25				3								
26			9	1	CIELING PLASTER	N	F	WHITE				
27				2								
28				3								
29			10	1	CIELING PLASTER	N	F	GRAY				
30				2								

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			ASU Angari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 5

Client: ROUX ASS. INC.

Project Site: LIGHTHOUSE POINT Building #6

Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A Bolyyer

Date Analyzed: Analyst: (TEM)

Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
31	1/4	INTER	10	3	CEILING PLASTER	N	F	GRAY				
32	↓	↓	11	1	BRICK MORTER	N	F	LIGHT BROWN				
33	↓	↓	↓	2	↓	↓	↓	↓				
34	↓	↓	↓	3	↓	↓	↓	↓				
35	↓	↓	12	1	1ST FLOOR WALLCOVER	~~Y~~	N	GREEN				
36	↓	↓	↓	2	↓	↓	↓	↓				
37	↓	↓	↓	3	↓	↓	↓	↓				
38	↓	↓	13	1	12"x12" CEILING TILE	~~N~~	N ?	WHITE BROWN				
39	↓	↓	↓	2	↓	↓	↓ 2	↓				
40	↓	↓	↓	3	↓	↓	↓ 2	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adel Arsaq	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE. LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 5 of 5

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Bldg. #6

Project Address: One Lighthouse Plaza S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/2/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-02 Analyst: (PLM) A. Rodriguez

Date Analyzed: Analyst: (TEM) Batch # 07-07-24

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
41	1/4	INTER	14	1	Ceiling Tile glue	N	N	BROWN				
42	↓	↓	↓	2	↓	↓	↓	↓				
43	↓	↓	↓	3	↓	↓	↓	↓				
44	↓	↓	15	1	DRY WALL ON CEILING	N	F	WHITE				
45	↓	↓	↓	2	↓	↓	↓	↓				
46	↓	↓	↓	3	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adil Ayari	7/6/02	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
8	07-07-024-08	2nd Floor 9x9 Floor Tile	28.49	36.71	31.31	**3.48**	Chrys.	**NA**	NA	**Posit.**
9	07-07-024-09	2nd Floor 9x9 Floor Tile	28.14	28.82	33.04	**SAMPLE NOT ANALYZED**				
10	07-07-024-10	2nd Floor 9x9 Floor Tile	28.75	38.73	32.52	**SAMPLE NOT ANALYZED**				
11	07-07-024-11	2nd Floor Mastic	83.95	1.23	14.81	**ND**	NA	**ND**	NA	**Negat.**
12	07-07-024-12	2nd Floor Mastic	86.96	4.35	8.70	**ND**	NA	**ND**	NA	**Negat.**
13	07-07-024-13	2nd Floor Mastic	88.00	8.00	4.00	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
17	07-07-024-17	4th Floor Pipe Insulation (Paper)	17.35	0.62	45.61	**36.42**	Chrys.	**NA**	NA	**Posit.**
18	07-07-024-18	4th Floor Pipe Insulation (Paper)	16.67	0.55	82.79	**SAMPLE NOT ANALYZED**				
19	07-07-024-19	4th Floor Pipe Insulation (Paper)	59.27	9.68	31.05	**SAMPLE NOT ANALYZED**				
35	07-07-024-35	1st Floor Wall Cover	92.02	4.23	3.76	**ND**	NA	**ND**	NA	**Negat.**
36	07-07-024-36	1st Floor Wall Cover	93.19	4.08	2.72	**ND**	NA	**ND**	NA	**Negat.**
37	07-07-024-37	1st Floor Wall Cover	92.65	4.23	3.13	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVE
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Lab
LABORATORY ID #: 07-07-024
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building # 6
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
41	07-07-024-41	Ceiling Tile Glue	50.47	1.99	47.54	**ND**	NA	**ND**	NA	**Negat.**
42	07-07-024-42	Ceiling Tile Glue	53.22	1.29	45.49	**ND**	NA	**ND**	NA	**Negat.**
43	07-07-024-43	Ceiling Tile Glue	47.28	51.70	1.02	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
04 07-07-025-04	COLOR	Red	Mortar between brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
05 07-07-025-05	COLOR	Red	Mortar between brick	0%	100%	NAD
	#LAYERS	1				
	SCAN					
06 07-07-025-06	COLOR	Red	Mortar between brick	0%	100%	NAD
	#LAYERS	1				
	SCAN					
07 07-07-025-07	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
08 07-07-025-08	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
09 07-07-025-09	COLOR	Gray	Mortar between block	0%	100%	NAD
	# LAYERS					
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
10 07-07-025-10	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	#LAYERS	1				
	SCAN					
11 07-07-025-11	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
12 07-07-025-12	COLOR	Dk. Gray	Decoration on block	0%	100%	NAD
	# LAYERS	1				
	SCAN					
13 07-07-025-13	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
14 07-07-025-14	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					
15 07-07-025-15	COLOR	White	Plaster on brick	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
19 07-07-025-19	COLOR	White	Pipe Insulation	2%FBGL	86.5%	11.3%CH Trace AMOS
	# LAYERS	1				
		POINT				
20 07-07-025-20	COLOR	White	Pipe Insulation			NA
	# LAYERS	1				
21 07-07-025-21	COLOR	White	Pipe Insulation			NA
	# LAYERS	1				
25 07-07-025-25	COLOR	Gray	Wall plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				
26 07-07-025-26	COLOR	Grey	Wall plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
27 07-07-025-27	COLOR	Grey	Wall Plaster	0%	99.5%	0.5%CH
	# LAYERS	1				
		POINT				
28 07-07-025-28	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
29 07-07-025-29	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
30 07-07-025-30	COLOR	White	Wall Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
31 07-07-025-31	COLOR	White	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
32 07-07-025-32	COLOR	White	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
33 07-07-025-33	COLOR	Grey	Ceiling Plaster white	0%	100%	NAD
	# LAYERS	1				
	SCAN					
34 07-07-025-34	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
35 07-07-025-35	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
36 07-07-025-36	COLOR	White	Ceiling Plaster gray	0%	99.75%	0.25%CH
	# LAYERS	1				
		POINT				
58 07-07-025-58	COLOR	Brown	12x12 ceiling tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					
59 07-07-025-59	COLOR	Brown	12x12 ceiling tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104
CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
60 07-07-025-60	COLOR	Brown	12"x12" Ceiling Tile	100%CELL	0%	NAD
	# LAYERS	1				
	SCAN					
64 07-07-025-64	COLOR	Wh/Br	Dry Wall	9%CELL 1%FBGL	90%	NAD
	# LAYERS	1				
	SCAN					
65 07-07-025-65	COLOR	Wh/Br	Dry Wall	10%CELL 2%FBGL	88%	NAD
	# LAYERS	2				
	SCAN					
66 07-07-025-66	COLOR	Wh/Br	Dry Wall	10%CELL 2%FBGL	88%	NAD
	# LAYERS	2				
	SCAN					
70 07-07-025-70	COLOR	Brown	Paper pipe insulation	99.25%CELL	0%	0.75%CH
	# LAYERS	2				
		POINT				

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Lab
DATE OF ANALYSIS: 07/06/07

PROJECT: One Lighthouse Plaza, Staten Island, NY
DATE OF REPORT: 07/11/07

Analyst: _____
A. Barengolts

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWEI LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT (Building #7)
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-BARBERGOUS
Date Analyzed: Analyst: (TEM) Batch #07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
1	GROUND	EXTER	1	1	3rd wall TRANSITE COVER	Y	N	BLACK				
2	↓	↓	↓	2	↓	↓	↓	↓				
3	↓	↓	↓	3	↓	↓	↓	↓				
4	↓	↓	2	1	MORTER betw. BRICK	N	F	RED				−
5	↓	↓	↓	2	↓	↓	↓	↓				−
6	↓	↓	↓	3	↓	↓	↓	↓				−
7	↓	↓	3	1	MORTER between block	N	F	GRAY				−
8	↓	↓	↓	2	↓	↓	↓	↓				−
9	↓	↓	↓	3	↓	↓	↓	↓				−
10	↓	↓	4	1	decoration on Block	N	F	dark GRAY				−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
[signature]			[signature]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody ~~Page~~ 2 of 7

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-Bovegoy

Date Analyzed: Analyst: (TEM) Batch #07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
10	GROU	EXT.	4	2	decoration on Block	N	F	dark gray				−
12	↓	↓	↓	3	↓	↓	↓	↓				−
13	↓	↓	5	1	plaster on the Brick	N	F	WHITE				−
14	↓	↓	↓	2	↓	↓	↓	↓				−
15	↓	↓	↓	3	↓	↓	↓	↓				−
16	1↓3	INTER	6	1	MASTIC ON WOOD FLOOR.	N	N	black				
17	↓	↓	↓	2	↓	↓	↓	↓				
18	↓	↓	↓	3	↓	↓	↓	↓				
19	↓	↓	7	1	PIPE INSULATION	N	F	WHITE				11.3% CH + 0.45% Am
20	↓	↓	↓	2	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adi Aryan	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEI LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 3 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARCOW
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
21	1,3	INTER	7	3	PIPE INSULATION	N	F	WHITE				
22	↓	↓	8	1	COVER PIPE INSULATION	N	N ?	WHITE				−
23	↓	↓	↓	2	↓	↓	↓ ?	↓				−
24	↓	↓	↓	3	↓	↓	↓ 2	↓				−
25	↓	↓	9	1	WALL PLASTER	N	F	GRAY				− trace CH
26	↓	↓	↓	2	↓	↓	↓	↓				− trace CH
27	↓	↓	↓	3	↓	↓	↓	↓				− trace CH
28	↓	↓	10	1	WALL PLASTER	N	F	WHITE				−
29	↓	↓	↓	2	↓	↓	↓	↓				−
30	↓	↓	↓	3	↓	↓	↓	↓				−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SKIBENKO			Adil Ayari	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEI LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 7

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT
Project Address: One Lighthouse PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 8/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARBERGER
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
31	1 13	INTER	11	1	Ceiling PLASTER	N	F	WHITE				–
32	↓	↓	↓	2	↓	↓	↓	↓				–
33			↓	3	↓	↓	↓	↓				–
34			12	1	Ceiling PLASTER	N	F	GRAY ~~WHITE~~				– trace C[illegible]
35			↓	2	↓	↓	↓	↓				– trace C[illegible]
36			↓	3	↓	↓	↓	↓				– trace C[illegible]
37			13	1	GREEN 9X9 FLOOR TILE	N	N	GREEN				
38			↓	2	9X9 ↓	↓	↓	~~Light~~ BROWN				
39			↓	3	↓	↓	↓	↓				
40	↓	↓	14	1	9X9 FLOOR TILE	N	N	Light Brown				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. SKIBENKO			[illegible]	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWEI ABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 5 of 7

Client: ROUX ASS. INC.
Project Site: LIGHTHOUSE POINT
Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A-MARCOS
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
41	1/3	INTER	14	2	9x9 FLOOR TILE	N	N	LIGHT BROWN				
42				3								
43			15	1	MASTIC.	N	F ?	BLACK				
44				2			?					
45				3			?					
46			16	1	9x9 FLOOR TILE	N	N	GREEN				
47				2								
48				3								
49			17	1	MASTIC.	N	F ?	BLACK				
50				2			?					

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adel Anani	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWF LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 6 of 7

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT
Project Address: ONE Lighthouse PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) A. BARENBAUM
Date Analyzed: Analyst: (TEM) Batch # 07-07-025

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
51	1,3	Ext.	17	3	MASTIC ~~9x9 Floor tile~~	N	F?	BLAC?				
52			18	1	9x9 FLOOR TILE	N	N	GRAY				
53			↓	2	↓	↓	↓	↓				
54			↓	3	↓	↓	↓	↓				
55			19	1	Glue Ceiling TILE 12"x12"	~~Brown~~	F?	Brown				
56			↓	2	↓	N	↓ ?	↓				
57			↓	3	↓	↓	↓ ?	↓				
58			20	1	Ceiling TILE 12"x12"	Y	N	Light Brown				−
59			↓	2	↓	↓	↓	↓				−
60			↓	3	↓	↓	↓	↓				−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adil Amani	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 7

Client: ROUX ASS. INC.

Project Site: LIGHTHOUSE POINT

Project Address: ONE LIGHTHOUSE PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I (Name / Company / Tel/Fax)

Date Analyzed: 7-6-02 Analyst: (PLM) A. BARENBOIM

Date Analyzed: Analyst: (TEM) Batch #02-07-025

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
61	1/3	INT.	21	1	9x9 Fl. Tile.	N	N	WHITE				
62	↓	↓	↓	2	↓	↓	↓	↓				
63	↓	↓	↓	3	↓	↓	↓	↓				
64	↓	↓	22	1	PAPER ON THE FLOOR 3d FLOOR	N	N	BLACK				
65	↓	↓	↓	2	↓	↓	↓	↓				
66	↓	↓	↓	3	↓	↓	↓	↓				
67	↓	↓	23	1	dry wall	N	F	WHITE				−
68	↓	↓	↓	2	↓	↓	↓	↓				−
69	↓	↓	↓	3	↓	↓	↓	↓				−
70	↓	↓	24	1	PAPER pipe INSULATION							− 0.158 c4

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			Adel Afana	7/6/02	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/06/07

PROJECT: Roux Associates Inc., Lighthouse Point
DATE OF REPORT:07/12/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
01 07-07-028-01	COLOR	White	Pipe insulation cover, interior	98%SY	2%	NAD
	# LAYERS	1				
	SCAN					
02 07-07-028-02	COLOR	White	Pipe insulation cover, interior	97%SY	3%	NAD
	# LAYERS	1				
	SCAN					
03 07-07-028-03	COLOR	White	Pipe insulation cover, interior	97%SY	3%	NAD
	# LAYERS	1				
	SCAN					

NVLAP 101958
ELAP 10955

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK SAMPLE ANALYSIS BY POLARIZED LIGHT MICROSCOPY

CLIENT: Testwell Laboratories Inc.
DATE OF ANALYSIS: 07/06/07

PROJECT: Roux Associates Inc., Lighthouse Point
DATE OF REPORT:07/12/07

ANALYTICAL RESULTS

LABORATORY ID # CLIENT ID #	STEREO MICROSCOPY RESULTS		SAMPLE DESCRIPTION	FIBROUS MATERIAL	NON FIBROUS MATERIAL	% ASBESTOS AND TYPE
04 07-07-028-04	COLOR	White	Pipe insulation, interior	0%	86%	14%CH
	# LAYERS	1				
		POINT				
05 07-07-028-05	COLOR		Pipe insulation, interior			NA
	# LAYERS					
06 07-07-028-06	COLOR		Pipe insulation, interior			NA
	# LAYERS					

Analyst: _____
Joanna Lacey

Laboratory Director _____
E. Dimitrakas

- NAD: No Asbestos Detected, CELL: Cellulose, FBGL: Fiberglass, H: Hair, SY: Synthetics, CH : Chrysotile, AMOS : Amosite, TRE: tremolite, ANTH :Anthophyllite, ACT : Actinolite, CRO : Crocidolite.
- Analytical Methodologies: EPA 600/M4-82-020and ELAP Method 198.1.
- Samples will be stored for sixty (60) days. LTS Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- The liability of Laboratory Testing Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NVLAP 101958
ELAP 10955

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse Point Building #8

Project Address: One Lighthouse Plaza S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Date Analyzed: 7-6-02 Analyst: (PLM) A. Bowles Batch # 07-07-028

Date Analyzed: Analyst: (TEM)

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
1	~~[illegible]~~	EXTER.	1	1	PIPE INSULATION	N	F?	WHITE				−
2	~~[illegible]~~	↓	↓	2	COVER.	↓	↓ ?	↓				−
3	1/4	↓	↓	3	↓	↓	↓ ?	↓				−
4	↓	↓	2	1	PIPE INSULATION	N	F	WHITE				+ 14% CH + TRAN
5	↓	↓	↓	2	↓	↓	↓	↓				
6	↓	↓	↓	3	↓	↓	↓	↓				
7	↓	↓	3	1	TRANSITE ROOF	N	N	GRAY				
8	↓	↓	↓	2	ON ATIC.	↓	↓	↓				
9	↓	↓	↓	3	↓	↓	↓	↓				
10	↓	↓	4		9x9 FLOOR TAL 1ST FLOOR	N	N	Light BROWN				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A SKIBENKO			Adil Anani	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #8

Project Address: One Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I (Name / Company / Tel/Fax)

Project #: PNT-026AB

Date: 7/13/7

Inspector: SKIBENKO

Signature:

Date Analyzed: 7-6-07 Analyst: (PLM) H. Rodriguez

Date Analyzed: Analyst: (TEM) Batch # 07-07-028

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
11	1/4	INTER	4	2	9x9 1ST, Floor ~~Flas~~	N	N	~~Green~~				
12	↓	↓	↓	3	FLOOR TALE	↓	↓	Light Brown				
13	↓	↓	5	1	MASTIC	N	N	BLACK				
14	↓	↓	↓	2	↓	↓	↓	↓				
15	↓	↓	↓	2	↓	↓	↓	↓				

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			Adil Anani	7/6/07	
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-028
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building #8
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
7	07-07-028-07	Transite Roof on Attic	1.71	4.69	93.60	**ND**	NA	**ND**	NA	**Negat.**
8	07-07-028-08	Transite Roof on Attic	0.55	4.58	94.87	**ND**	NA	**ND**	NA	**Negat.**
9	07-07-028-09	Transite Roof on Attic	0.58	3.51	95.91	**ND**	NA	**ND**	NA	**Negat.**
10	07-07-028-10	9x9 Floor Tile on 1st Floor	35.42	21.19	39.62	**3.77**	Chrys.	**NA**	NA	**Posit.**
11	07-07-028-11	9x9 Floor Tile on 1st Floor	35.96	19.92	44.11	**SAMPLE NOT ANALYZED**				
12	07-07-028-12	Floor Tile	36.50	15.56	47.93	**SAMPLE NOT ANALYZED**				

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

LABORATORY TESTING SERVICES INC.
45-09 GREENPOINT AVE.
LONG ISLAND CITY, NY 11104

BULK (NOB) ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY AND TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Testwell Laboratories Inc.
LABORATORY ID #: 07-07-028
DATES OF ANALYSIS: 07/07/07

PROJECT: Lighthouse Building #8
ANALYT. METHODOLOGIES: ELAP 198.6, ELAP 198.4
DATE OF REPORT: 07/11/07

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	%ORG	%ASI	%AII	PLM RESULTS	TYPE OF ASBEST.	TEM RESULTS	TYPE OF ASBEST.	POSIT. / NEGAT.
13	07-07-028-13	Mastic	86.41	8.41	5.18	**ND**	NA	**ND**	NA	**Negat.**
14	07-07-028-14	Mastic	88.51	9.79	1.70	**ND**	NA	**ND**	NA	**Negat.**
15	07-07-028-15	Mastic	87.60	10.74	1.65	**ND**	NA	**ND**	NA	**Negat.**

ANALYST
E. Dimitrakas

LABORATORY DIRECTOR
E. Dimitrakas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Samples will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

APPENDIX B

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY LEAD BASED PAINT

C/ 3010 -00
CM16559

Testwell Laboratories, Inc.
47 HUDSON STREET, OSSINING, NEW YORK 10562 TEL: (914) 762-9000/FAX: (914) 762-9638

SAMPLE DATA FORM/CHAIN OF CUSTODY

PAGE 1 OF 1

CLIENT NAME: Roux
CLIENT ADDRESS:
PROJECT SITE: 51 LIGHTHOUSE
CONTACT NAME & PHONE #: CHARLES SCHNUGG (TLI) (914) 762-9638
NAME / COMPANY / TEL/FAX

PROJECT NO.: PNT-026.
SAMPLED BY: TLI
TURNAROUND TIME REQUESTED:
STATE REPORTED TO: NY
REPORTING REQUIREMENTS (CIRCLE ONE)*: Level A / Level B / Level C

CLIENT/FIELD SAMPLE #	LAB SAMPLE #	EXACT SAMPLE LOCATION	SAMPLE MATRIX	DATE OF SAMPLE	TIME SAMPLED	SAMPLE VOLUME	ANALYSIS REQUESTED	ANALYTICAL METHOD	PRESERVE ADDED
01		VAULT #6 WHITE PAINT	CHIP	7/19			Pb%	<0.01	
02		VAULT #3 WHITE PAINT	CHIP	7/19			Pb%	<0.01	
03		BLDG #5 EXTERIOR GREEN PAINT	CHIP	7/19			Pb%	0.2	
04		BLDG #5 EXTERIOR WINDOW FRAME PAINT	CHIP	7/19			Pb%	4.0	
05		BLDG #5 INTERIOR GREEN WALL PAINT	CHIP	7/19			Pb%	9.2	

COMMENTS:

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
[illegible]	7/20/07		[illegible]	7/27/07	17:00
RECEIVED BY:	DATE:	TIME:	RELINQUISHED BY:	DATE:	TIME:

LEVEL A: Data Summary Sheet Only
LEVEL B: Data Summary Sheet, Instrument Quantitation Reports
LEVEL C: Complete Analytical Data Package (Tier III)

Recal. by T Mud 7/30/7

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-057
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416330

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 5 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/02/2007 0416330-001	Ground Exterior	Green	10.8
2 07/02/2007 0416330-002	Ground Exterior	Light Green	4.2

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWE LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07-5016-057
046330

Client: ROUX ASS. INC.
Project Site: Lighthouse Point Build #5
Project Address: One Lighthouse Plaza S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/12/07
Inspector: SKIBENKO
Signature:

Date Analyzed: _____ Analyst: (PLM) _____
Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (−)
#1	Green	Exter		1	Apper Trim			Green		10.8 %		
#2	↑	↓		1	~~Green~~ Wall			Light green		4.2 %		
							Anal. by TMA			7/11/07	18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
A. Skibenko			[signature]	7/12/07	14:15
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-059
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416332

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 6, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/03/2007 0416332-001	Paint From Door	Black/Light Brown	1.9
2 07/03/2007 0416332-002	Paint From Window	Green/White	0.7
3 07/03/2007 0416332-003	Door	Gray	7.8
4 07/03/2007 0416332-004	Pipe Fire	Red	0.7
5 07/03/2007 0416332-005	Wall Column	Light Blue	0.1
6 07/03/2007 0416332-006	Column	Beige	0.3
7 07/03/2007 0416332-007	Stairway Risers	Black	2.1
8 07/03/2007 0416332-008	Stairway Stringer	Gray/Red	3.5
9 07/03/2007 0416332-009	Ceiling 2nd Floor	Blue/Beige	1.5
10 07/03/2007 0416332-010	Column 2nd Floor/ Wall	Green/Beige	1.6
11 07/03/2007	Wall	Light Brown/Gre	0.5

Approved Signatory
Report Date: July 12, 2007

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-059
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416332

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 6, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
0416332-011		en	
12 07/03/2007 0416332-012	Wall		1.1

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:
Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:
All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

07-3916-034 0416332

TESTWE LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 2

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #6

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE T.L.I

Name Company Tel/Fax

Project #: PNT-026AB

Date: 7/.17

Inspector: SKIBENKO

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

Lead.

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
#1	1/3	INTER		1	PAINT FROM door			BLACK - LIBROW		1.9	%	
#2				1	PAINT FROM WINdow			GREEN WHITE	BLACK	0.7		
#3				1	door			GRAY		7.8		
#4				1	pipe FIRE			RED		0.7		
#5				1	WALL & COLUMN			light blue		0.1		
#6				1	BEAM & COLUMN			Beg.		0.3		
#7				1	STAIRWAY (RISERS)			BLACK		2.1		
#8				1	STAIRWAY (STRINGER)			GRAY RED		3.5		
#9				1	CIELING 2ND FLOOR			BLUE beg.		1.5		
#10				1	COLUMN/WALL 2nd FLOOR			GREEN beg.		1.6		

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[signature]	7/10/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

Anal. by T Mut 7/11/07 18:00

TESTWE!)ABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 2

Client: ROUX ASS. INC.
Project Site: Lighthouse Point Build 6
Project Address: One Lighthouse Plaza S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/3/7
Inspector: SKIBENKO
Signature:

Date Analyzed: _____ Analyst: (PLM) _____
Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ____PLM NUMBER	____TEM NUMBER	(+) (–)
#11	3rd	INTER			WALL			light green green		0.5 %		
#12	4th	↓			WALL			e/ow		1.1 %		
							Anal. by TEM		7/11/07		18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[illegible]	7/6/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-058
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416331

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 7 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
1 07/03/2007 0416331-001	Interior/ Floor 1/4/ Window	Green/White	0.3
2 07/03/2007 0416331-002	Interior/ Floor 1/4/ Door	Gray/Green	0.4
3 07/03/2007 0416331-003	Interior/ Floor 1/4/ Wall	Blue	0.1
4 07/03/2007 0416331-004	Interior/ Floor 1/4/ Stairway	Gray	2.1
5 07/03/2007 0416331-005	Interior/ Floor 1/4/ Temporary Wall	Yellow	0.03
6 07/03/2007 0416331-006	Interior/ Floor 1/4/ Wall on Stair	Brown	17.1
7 07/03/2007 0416331-007	Interior/ Floor 1/4/ Door 3rd Floor	White	0.5
8 07/03/2007 0416331-008	Interior/ Floor 1/4/ Window	Light Blue	12.7

Approved Signatory
Report Date: July 12, 2007

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-058
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416331

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 7 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:

Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:

All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07501b-058
041633

Client: ROUX ASS. INC.

Project Site: Lighthouse POINT Building #7

Project Address: ONE Lighthouse PLAZA S.I, NY 10301

Report to: CHARLIE (Name) T.L.I (Company) (Tel/Fax)

Project #: PNT-026AB

Date: 7/3/7

Inspector: SKIBENKO

Signature:

Date Analyzed: _____ Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (-)
1	1/4	Inter		1	WINDOW			GREEN WHITE		0.3%		
2				1	~~wall~~ door			GRAY L. GREEN GREEN		0.4		
3				1	WALL			blue.		0.1		
4				1	STAIRWAY			GRAY		2.1		
5				1	TEMPORARY WALL			yellow		0.03		
6				1	WALL ON STAIR.			brown		17.1		
7				1	door 3d Floor			WHITE		0.5		
8				1	WINDOW			Light blue	(TM)	12.7 ~~3.5~~		
						Anal. by	T. Mot	7/11/07		18:00		

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[signature]	7/10/07	14:30
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

JLC Environmental Consultants, Inc.

30 West 26th St. - 4th Floor New York, NY 10010
Phone: (212) 420-8119 - Fax: (212) 420-6092

Testwell Laboratories, Inc.
47 Hudson Street
Ossining, NY 10562

ELAP Lab Code: 11029
NIOSH and AIHA Lab Code: 100273
NVLAP Lab Code: 101953

Project No:	07-5016-056
Analyte:	LEAD (paint)
Date Received:	07/10/2007
Date Analyzed:	07/11/2007
Batch #:	0416329

SUMMARY OF ANALYTICAL RESULTS

SITE: *Lighthouse Point Bldg# 8, 1 Lighthouse Plaza Staten Island, NY 10301*

SAMPLE # COLLECTED LAB #	DESCRIPTION / LOCATION	COLOR	LEAD CONTENT %
01 07/02/2007 0416329-001	Interior Floor 1/4	Red/Light Brown	18.8
02 07/02/2007 0416329-002	Interior Floor 1/4	Black	3.8
03 07/02/2007 0416329-003	Interior Floor 1/4	Dark Gray	50.2

*ppm = parts per million

**COMPOSITE = Multiple Layers of Paint

Sample Analysis by:

Varian FS-220: Atomic Absorption Spectrometry (AAS) using an air-acetylene flame with background correction.

Method of Sample Preparation and Analysis:

All samples were prepared and analyzed in accordance with the Environmental protection Agency Method EPA SW846-3050/7420.

Minimum Detection Limit = < 0.01% or < 100 ppm

HUD Guidelines define paint containing lead levels equal to or greater than 1.0 milligrams per square centimeter (1.0 mg/cm2) or 0.5% by weight (5,000 PPM) as Lead Based Paint (LBP).

DISCLAIMER: JLC Environmental Consultants, Inc. did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. JLC relies on the client for all sample information prior to delivery at JLC.

Collected By: CLIENT
Analyzed By: Tamara Metelkina

Approved Signatory
Report Date: July 12, 2007

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 1

07-546-056
0416329

Client: ROUX ASS. INC.
Project Site: Lighthouse POINT Bld. #8
Project Address: ONE Lighthouse PLAZA S.I, NY 10301
Report to: CHARLIE T.L.I
Name Company Tel/Fax

Project #: PNT-026AB
Date: 7/2/7
Inspector: SKIBENKO
Signature:

Date Analyzed: _____ Analyst: (PLM) _____
Date Analyzed: _____ Analyst: (TEM) _____

leas

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY ___PLM NUMBER	___TEM NUMBER	(+) (−)
01	1/4	INTRA		1	DOOR			~~RED~~ L. BROWN		18.8%		
02	↓	↓		1	ON WALL			BLACK		3.8%		
03	↓	↓		1	ON WINDOW			dark GRAY		50.2%		
						Anal. by TMat 7/11/07					18:00	

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
SKIBENKO			[signature]	7/10/07	14:15
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

APPENDIX C

SITE PHOTOGRAPHS

BUILDING 3 PHOTO 1 – NON-ASBESTOS CONTAINING ASPHALT SHINGLES

BUILDING 3 PHOTO 2 - 5 GALLON CANS WITH DRIED ROOF CEMENT (ASSUMED ASBESTOS CONTAINING)

BUILDING 5 PHOTO 1 – LEAD BASED PAINT ON FAÇADE

BUILDING 5 PHOTO 2 – LEAD BASED PAINT ON WALLS

BUILDING 5 PHOTO 3 – ACM 9X9 FLOOR TILE UNDER NON-ASBESTOS DEBRIS ON FLOOR

BUILDING 6 PHOTO 1 – 9X9 ASBESTOS FLOOR TILE

BUILDING 6 PHOTO 2 – ASBESTOS PIPE INSULATION

BUILDING 6 PHOTO 3 – ASBESTOS BOILER (TANK) INSULATION

BUILDING 7 PHOTO 1 – MULTI-COLORED ASBESTOS FLOOR TILE/MASTIC

BUILDING 7 – ASBESTOS PIPE INSULATION

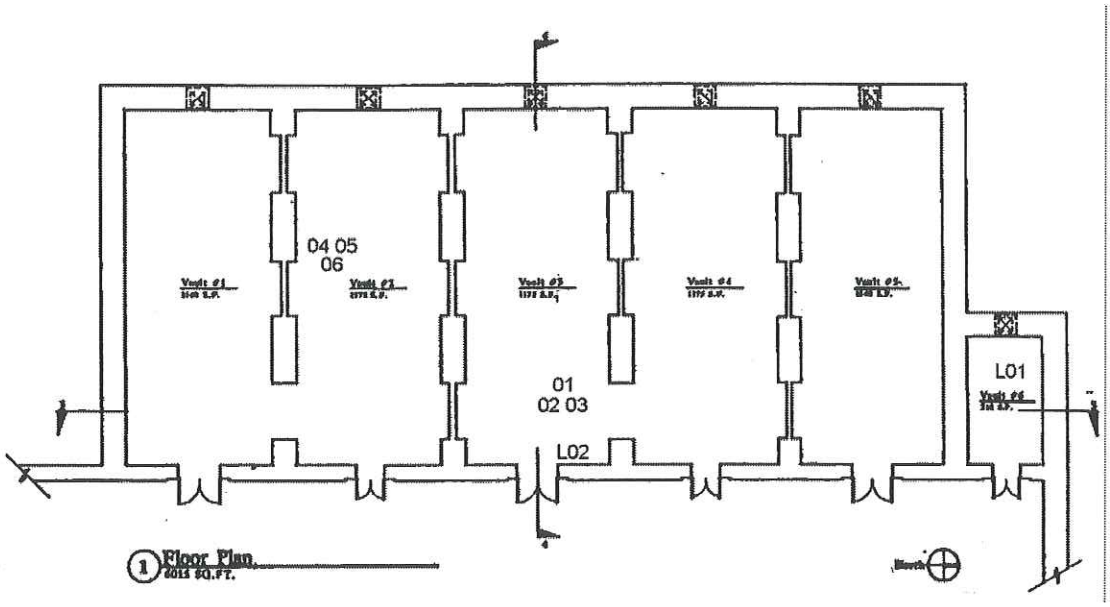
BUILDING 8 – ASBESTOS PIPE INSULATION

BUILDING 8 – ASBESTOS PIPE INSULATION (ON FLOOR)

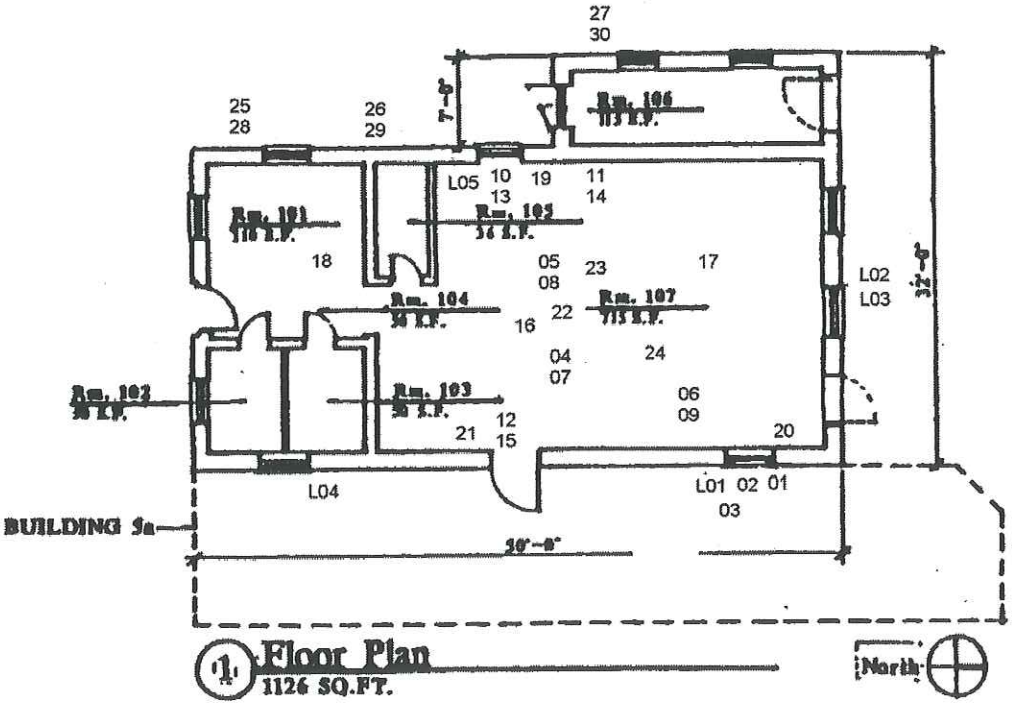
BUILDING 8 – ASBESTOS PIPE INSULATION IN ATTIC

APPENDIX D

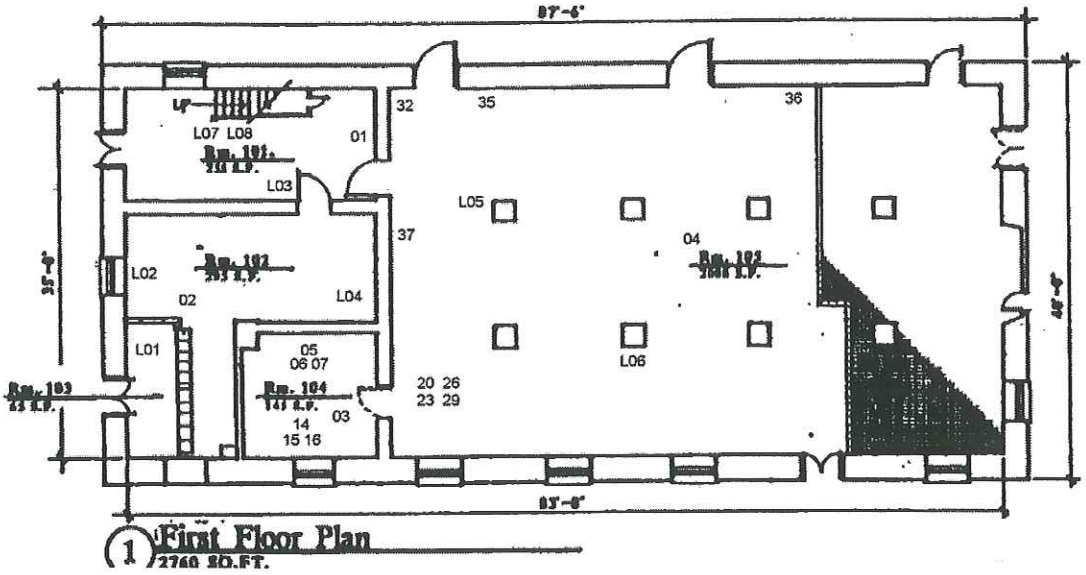
SAMPLE LOCATION PLANS



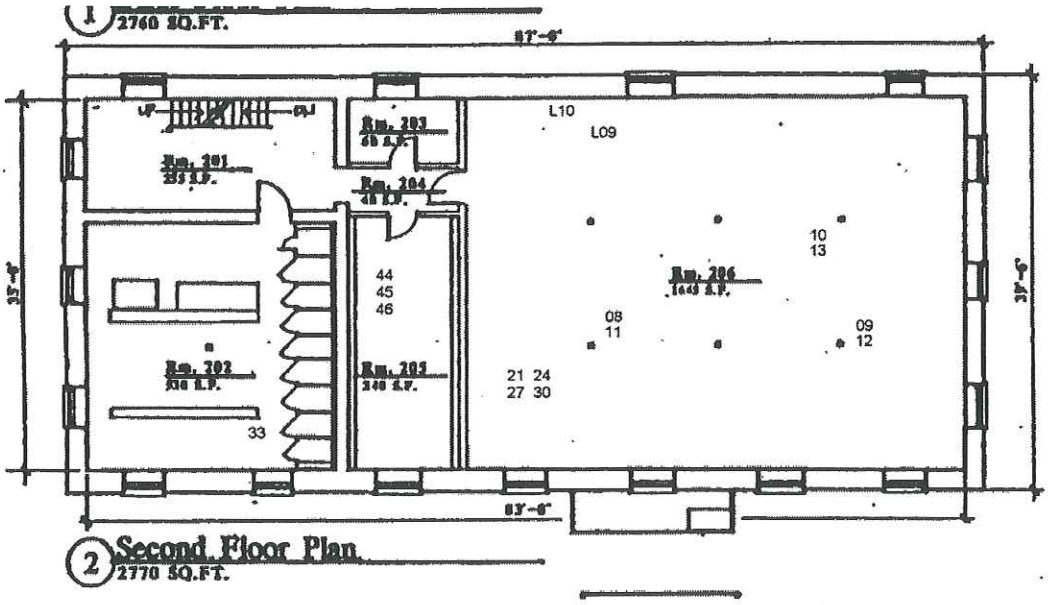
BUILDING 3 (VAULTS) - BULK SAMPLE LOCATION PLAN



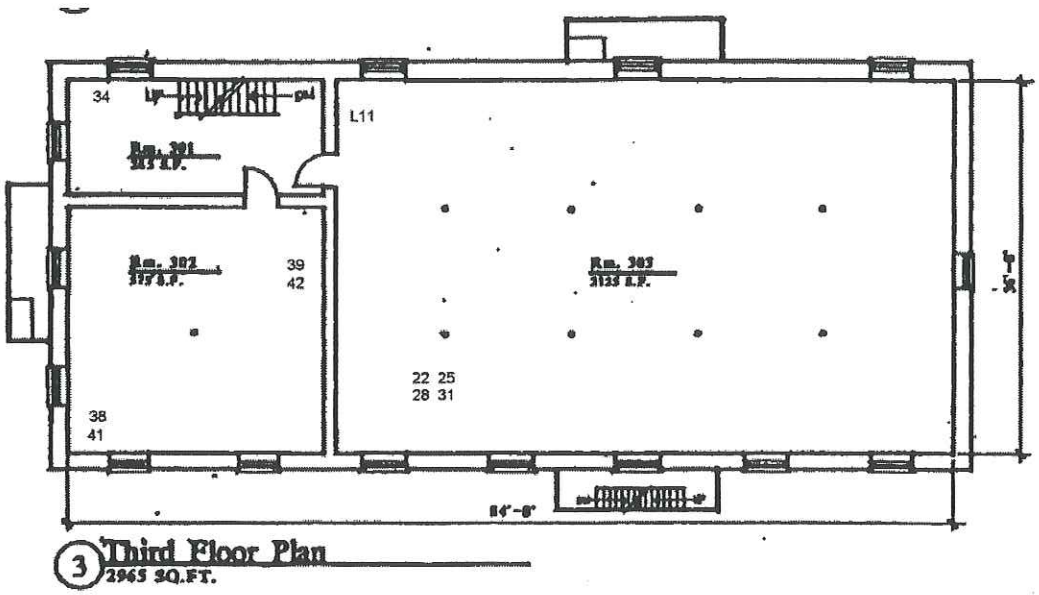
BUILDING 5 – BULK SAMPLE LOCATION PLAN



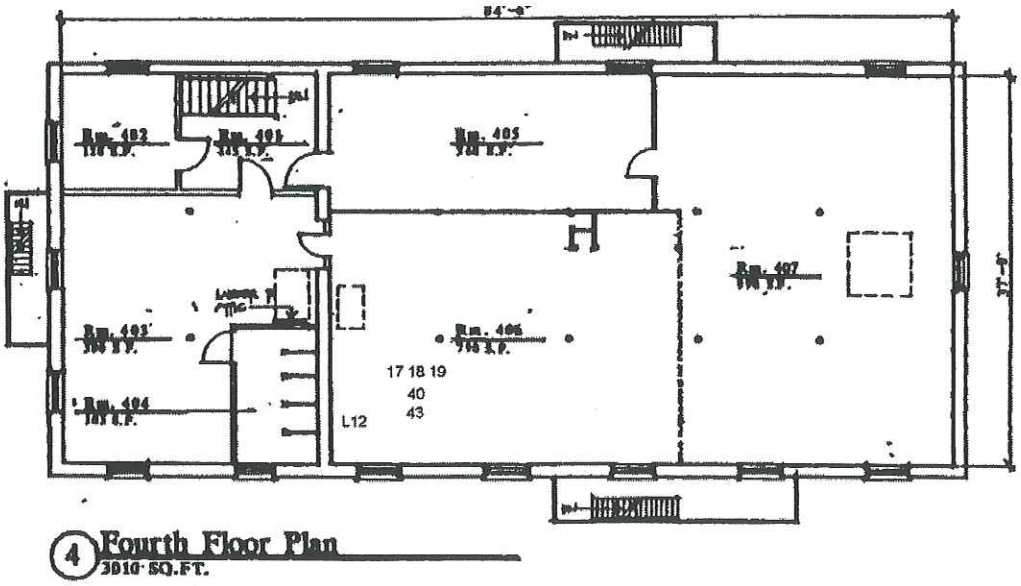
BUILDING 6 1ST FLOOR – BULK SAMPLE LOCATIONS



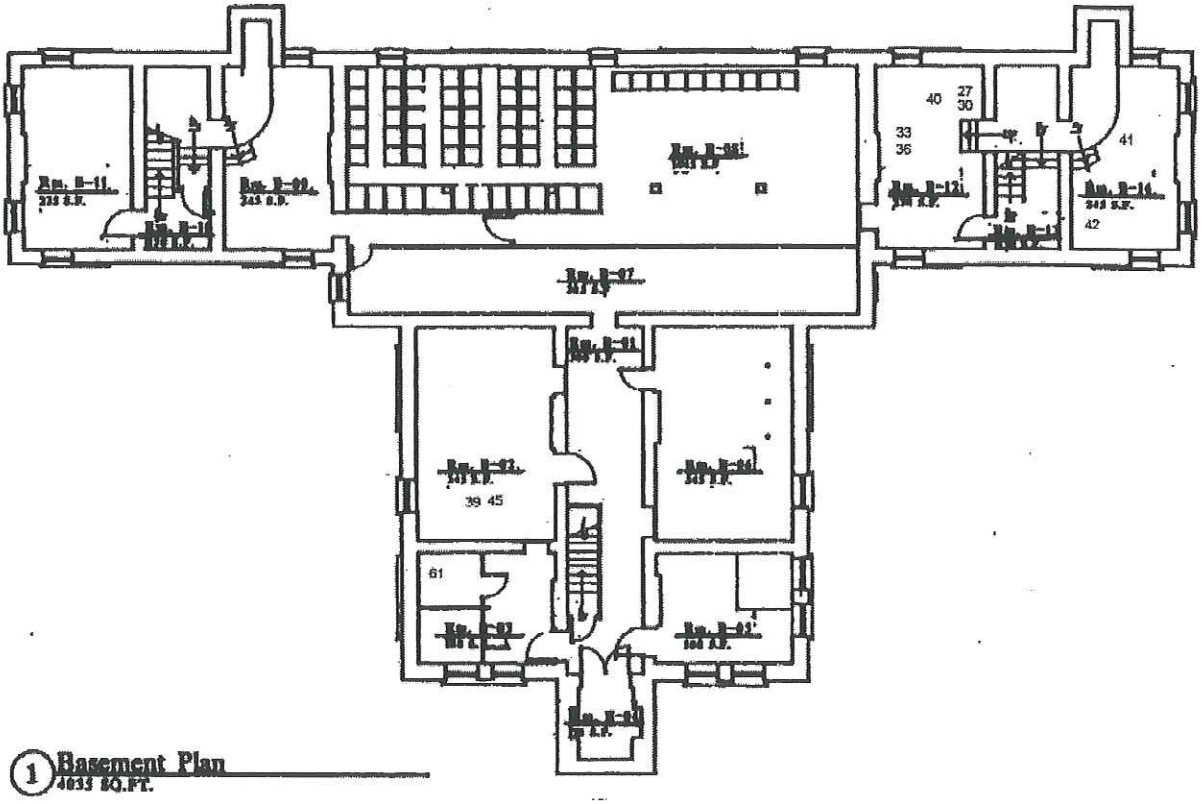
BUILDING 6 2ND FLOOR – BULK SAMPLE LOCATIONS



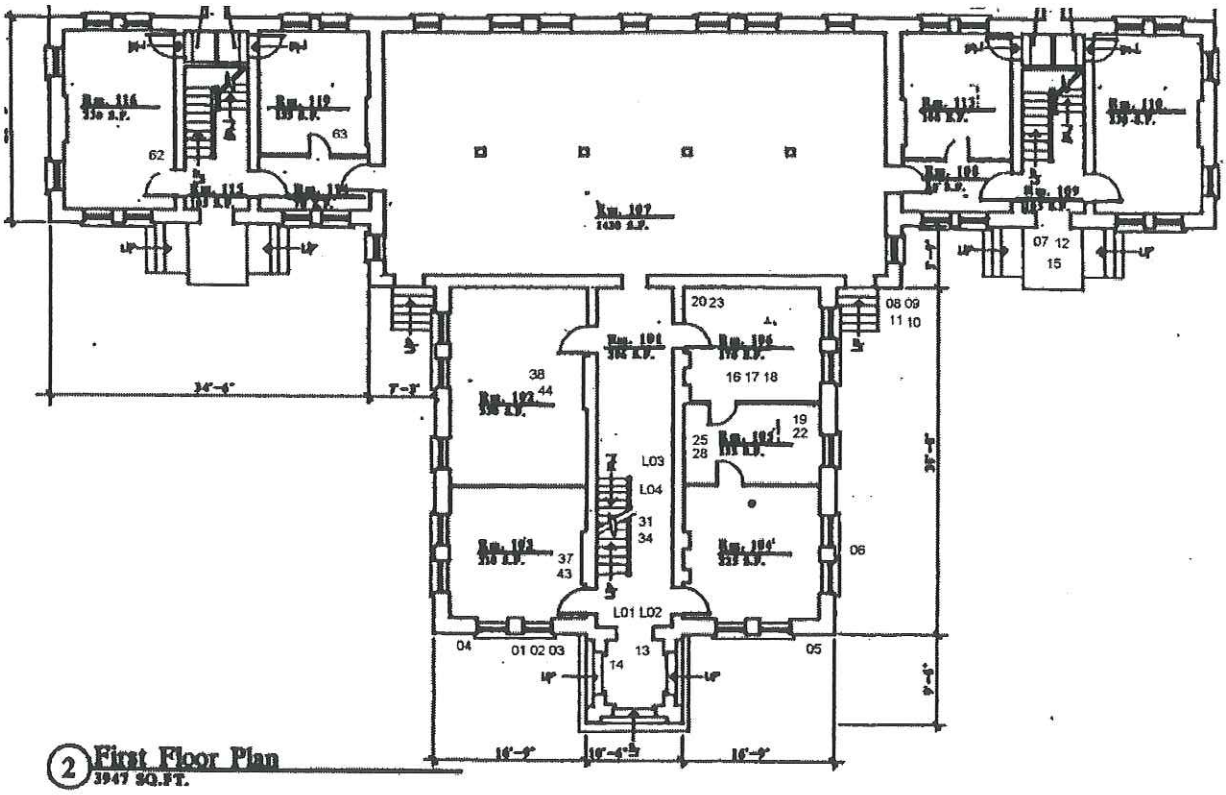
BUILDING 6 3RD FLOOR – BULK SAMPLE LOCATIONS



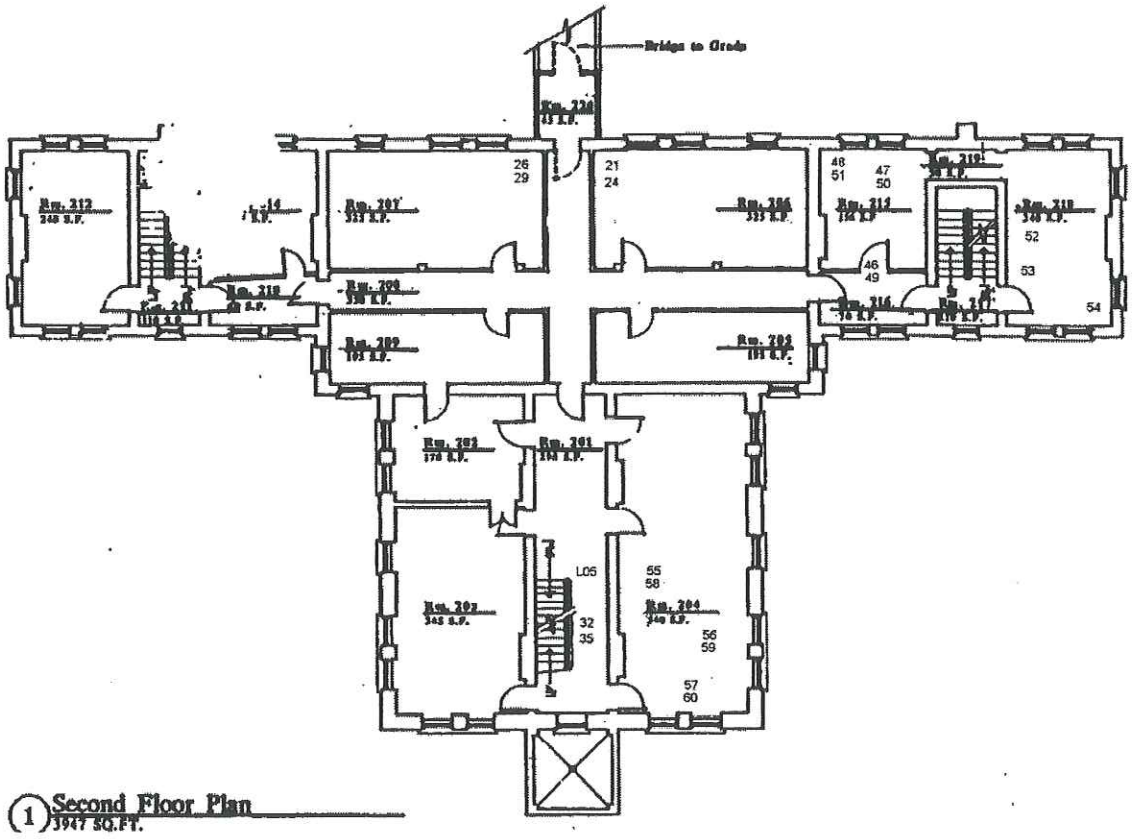
BUILDING 6 4TH FLOOR – BULK SAMPLE LOCATIONS



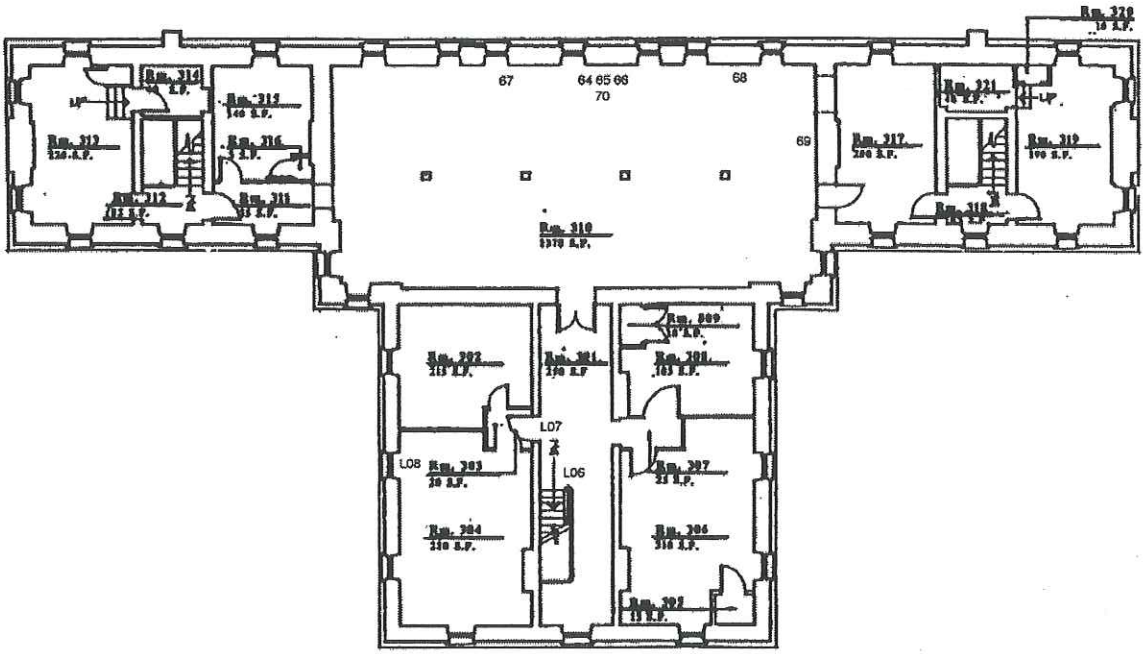
BUILDING 7 BASEMENT – BULK SAMPLE LOCATIONS



BUILDING 7 1ST FLOOR- BULK SAMPLE LOCATIONS

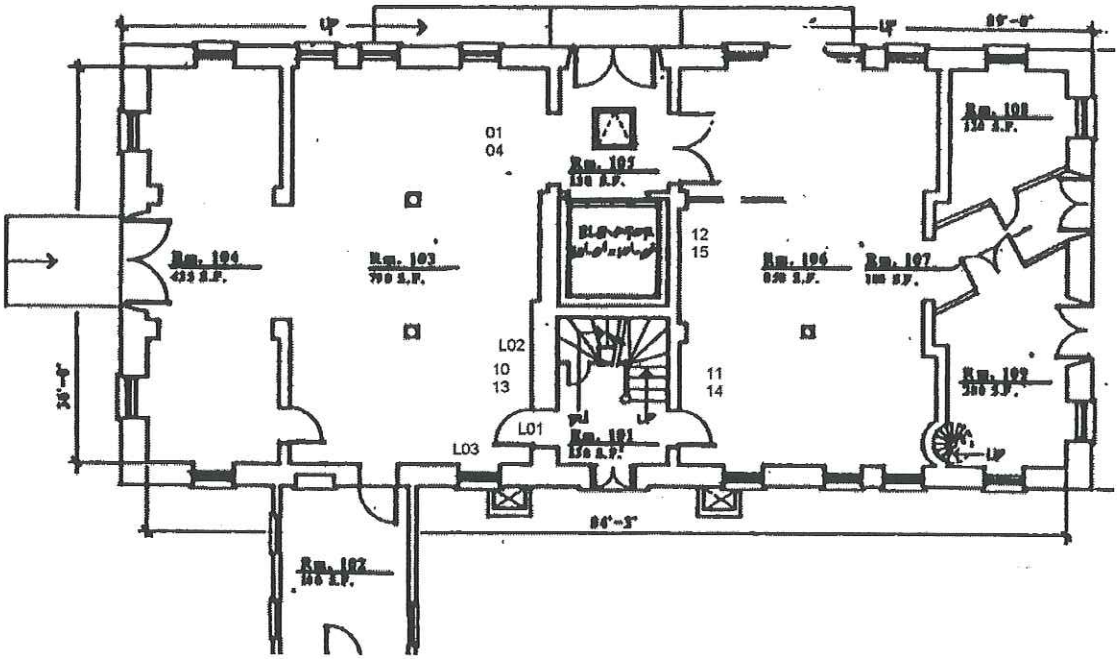


BUILDING 7 2ND FLOOR – BULK SAMPLE LOCATIONS

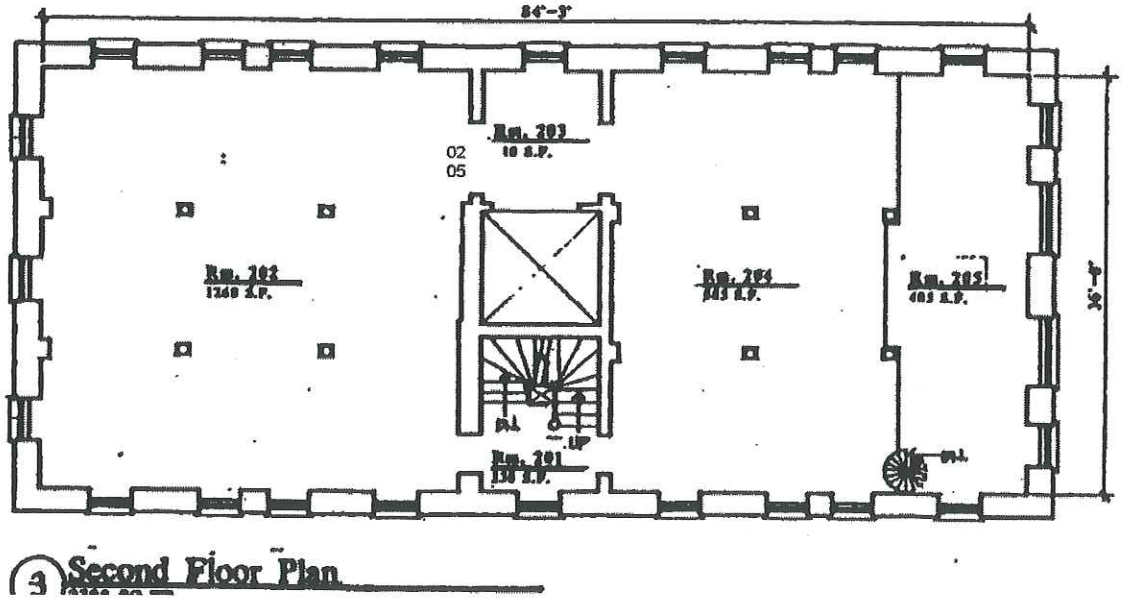


2 Third Floor Plan
3730 SQ.FT.

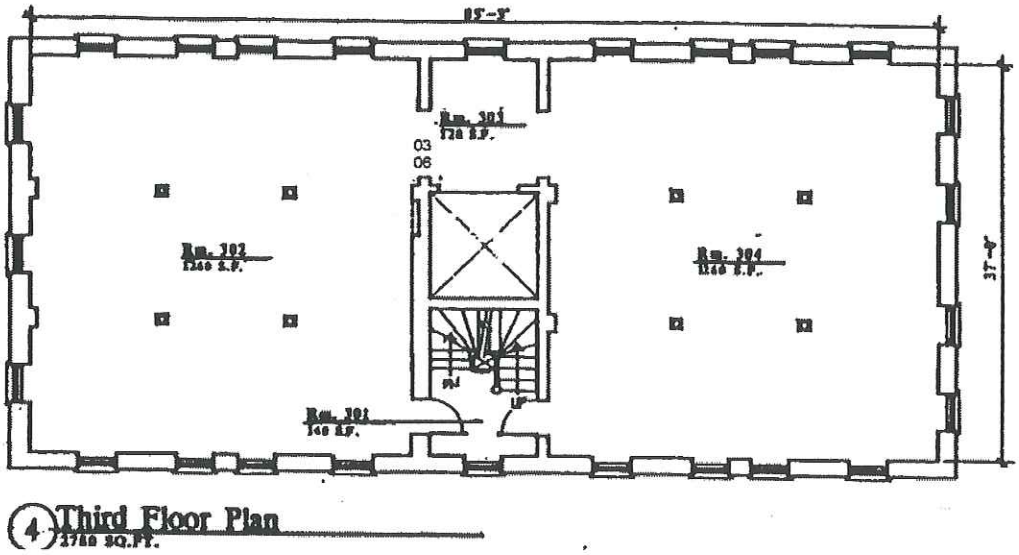
BUILDING 7 3RD FLOOR – BULK SAMPLE LOCATIONS



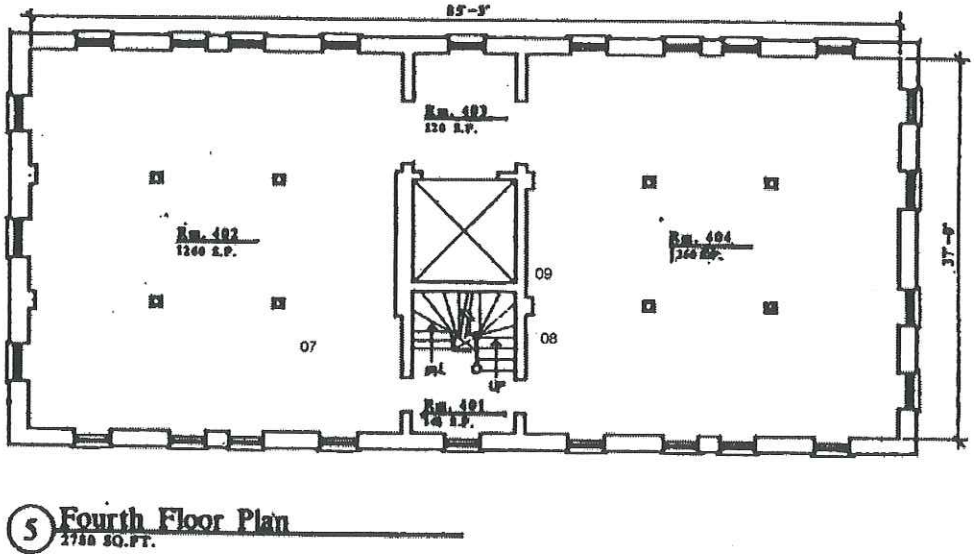
BUILDING 8 1ST FLOOR – BULK SAMPLE LOCATIONS



BUILDING 8 2ND FLOOR – BULK SAMPLE LOCATIONS



BUILDING 8 3RD FLOOR – BULK SAMPLE LOCATIONS



BUILDING 8 4TH FLOOR – BULK SAMPLE LOCATIONS

APPENDIX E

COMPANY LICENSE
CREDENTIALS OF INSPECTORS
LABORATORY CERTIFICATIONS

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

RESTRICTED LICENSE
Asbestos Removal Not Permitted

ASBESTOS HANDLING LICENSE

Contractor: **TESTWELL LABORATORIES, INC.**
47 HUDSON STREET
OSSINING, NY 10562

LICENSE NUMBER: **99-1096**
DATE OF ISSUE: **12/15/2006**
EXPIRATION DATE: **12/31/2007**

Duly Authorized Representative: **CHARLES SCHNUGG**

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 workshop. 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.

SH 432 (6-03)

Anthony Germano, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ALEKSANDR V SKIBENKO
CLASS(EXPIRES)
C ADEC(10/07) D ADSP(10/07)
H PM (10/07)

CERT# 98-03883
DMV# 511758803
MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

CHARLES SCHNUGG
CLASS(EXPIRES)
D ADSP(01/08) E ADSPL(01/08)
I PM (01/08)

CERT# 89-00815
DMV# 891638169
MUST BE CARRIED ON ASBESTOS PROJECTS

United States Environmental Protection Agency

This is to certify that

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Testwell Laboratories, Inc.
42 Hudson Street, Massapequa, New York 11762

has fulfilled the requirements of the Toxic Substances Control Act, Section 402(a)(1) and has received certification to conduct lead based paint activities under 40 CFR Part 745.226.

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires May 28, 2009

NY-2608-1
Certification #

MAR 15 2006
Issued On

Kenneth S. Stoller, P.E., QEP, DEE, Chief
Pesticides & Toxic Substances Branch

New York
RISK ASSESSOR

Certified Lead-Based Paint Professional

Certification No NY-R-7286-1	
Date of Birth [redacted]	Expiration Date 04/17/2008
Address [redacted]	
Badge Holder's Name Maher Harish	
Badge Holder's Signature	

If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-7404OT)
Washington, DC 20460
or call 1-800-424-LEAD

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 05, 2007
Revised July 10, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE
Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. EMANUEL DIMITRAKAS
LABORATORY TESTING SERVICES INC
45-09 GREENPOINT AVENUE
LONG ISLAND CITY, NY 11104

NY Lab Id No: 10955
EPA Lab Code:

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	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
Lead in Dust Wipes	EPA 7420
Lead in Paint	ASTM D3335-85A
	EPA 7420

Sample Preparation Methods

APP. 14.2, HUD JUNE 1995
EPA 3050B

Serial No.: 34077

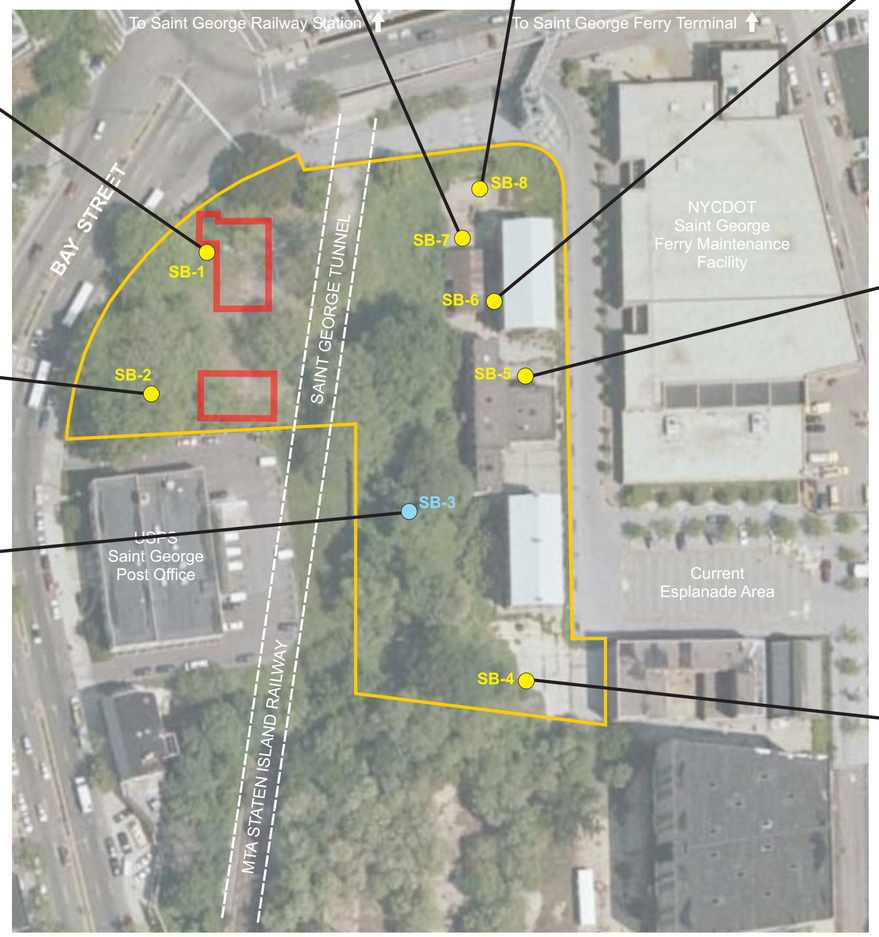
Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

SB-1	7/5/2007
Analyte	35-37
Metals	
Arsenic	4.4
Barium	86
Chromium	**34**
Copper	**54**
Lead	130
Mercury	**2.7**
Nickel	**140**
Selenium	**2.3**
Zinc	**110**
VOCs	
Acetone	67
Carbon disulfide	2.7 J
Methylene chloride	22 B
SVOCs	
Benzo[a]anthracene	90 J
Benzo[a]pyrene	**67 J**
Benzo[b]fluoranthene	81 J
Benzo[g,h,i]perylene	82 J
Benzo[k]fluoranthene	47 J
Bis(2-ethylhexyl) phthalate	680
Chrysene	93 J
Fluoranthene	100 J
Indeno[1,2,3-cd]pyrene	46 J
Phenanthrene	110 J
Pyrene	190 J
Pesticides	NA

SB-7	7/9/2007
Analyte	4-6
Metals	
Arsenic	3.3
Barium	44
Chromium	**52**
Copper	25
Nickel	**650**
Zinc	**32**
VOCs	
Acetone	42 J
Chloromethane	2 J
Methylene chloride	22 B
Toluene	4.1 J
SVOCs	ND
Pesticides	NA

SB-8	7/9/2007
Analyte	4-6
Metals	
Barium	30
Chromium	**11**
Copper	13
Nickel	**120**
Zinc	18
VOCs	
Acetone	29 J
Chloromethane	3 J
Methylene chloride	21 B
SVOCs	ND
Pesticides	NA

SB-6	7/5/2007
Analyte	3-5
Metals	
Arsenic	3
Barium	53
Chromium	**21**
Copper	**37**
Lead	29
Nickel	**160**
Selenium	**2.2**
Zinc	**43**
VOCs	
Acetone	38
Methylene chloride	27 B
Toluene	2.7
SVOCs	ND
Pesticides	NA



SB-5	7/6/2007
Analyte	3-5
Metals	
Arsenic	5.7
Barium	93
Chromium	**25**
Copper	**100**
Lead	330
Mercury	**0.35**
Nickel	**170**
Selenium	**2.3**
Zinc	**130**
VOCs	
Acetone	44
Methylene chloride	17 B
Toluene	3.9
SVOCs	
Benzo[a]anthracene	73 J
Benzo[a]pyrene	**62 J**
Benzo[b]fluoranthene	75 J
Benzo[g,h,i]perylene	41 J
Benzo[k]fluoranthene	39 J
Chrysene	69 J
Fluoranthene	100 J
Phenanthrene	44 J
Pyrene	120 J
Pesticides	NA

SB-2

Drill refusal at 15 ft bls.
Borehole not completed.

SB-3	7/5/2007	7/5/2007	7/5/2007
Analyte	0-0.5	2-2.5	12-14
Metals			
Arsenic	NA	NA	2.2
Barium	NA	NA	26
Chromium	NA	NA	**46**
Copper	NA	NA	**47**
Nickel	NA	NA	**300**
Selenium	NA	NA	**2.1**
Zinc	NA	NA	**30**
VOCs			
Acetone	NA	NA	44
Methylene chloride	NA	NA	14 B
SVOCs	NA	NA	ND
Pesticides	ND	ND	ND

SB-4	7/6/2007
Analyte	10-12
Metals	
Arsenic	2.9
Barium	30
Chromium	**30**
Copper	**37**
Lead	5.9
Nickel	**260**
Zinc	**21**
VOCs	
Acetone	40
Methylene chloride	15 B
Toluene	2
SVOCs	ND
Pesticides	NA

Parameter	NYSDEC RSCO
Metals	
Arsenic	8
Barium	300
Chromium	10
Copper	25
Lead	500
Mercury	0
Nickel	13
Selenium	2
Zinc	20
VOCs	
Acetone	200
Carbon disulfide	2700
Chloromethane	--
Methylene chloride	100
Toluene	1500
SVOCs	
Benzo[a]anthracene	224
Benzo[a]pyrene	61
Benzo[b]fluoranthene	220
Benzo[g,h,i]perylene	50000
Benzo[k]fluoranthene	220
Bis(2-ethylhexyl) phthalate	50000
Chrysene	400
Fluoranthene	50000
Indeno[1,2,3-cd]pyrene	3200
Phenanthrene	50000
Pyrene	50000

Metal concentrations are in mg/kg; all other parameters are in µg/kg

Bold red font indicates data that exceeds the NYSDEC RSCO

Only data with detections or exceedances has NYSDEC RSCO shown

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- - No NYSDEC RSCO available
B - Found in blank
J - Estimated value
NA - Not analyzed
ND - No detections in entire sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds

LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

Sample I.D. → **SB-8** | 7/9/2007 ← Sample date
Analyte | 4-6 ← Sample depth (ft. below land surface)

Analytes:

Metals	
Barium	30
Chromium	**11**
Copper	13
Nickel	**120**
Zinc	18
VOCs	
Acetone	29 J
Chloromethane	3 J
Methylene chloride	21 B
SVOCs	ND
Pesticides	NA

Concentrations in mg/kg
Concentrations in ug/kg
Concentrations in ug/kg ← SVOCs
Concentrations in ug/kg ← Pesticides

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.

N

100' 0 100'

Title:

SOIL QUALITY RESULTS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	PLATE	
Prepared by: B.H.C.	Scale: AS SHOWN	1	
Project Mgr.: L.D.	Office: NY		
File No.: TRi0110501.CDR	Project No.: 163701Y		

\TRI1637Y\TRI01Y\100\TRI0110001.CDR

GW-7	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	9.3	--
Barium	290	76
Chromium	**59**	--
Copper	72	--
Lead	21	--
Nickel	**520**	--
Zinc	130	--
VOCs		
Trichloroethene	1 J	NA
SVOCs	ND	NA
PCBs	NA	NA
Pesticides	NA	NA

GW-8	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Barium	140	80
Lead	6.8	--
Nickel	97	--
VOCs		
Methylene chloride	4.7 J	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

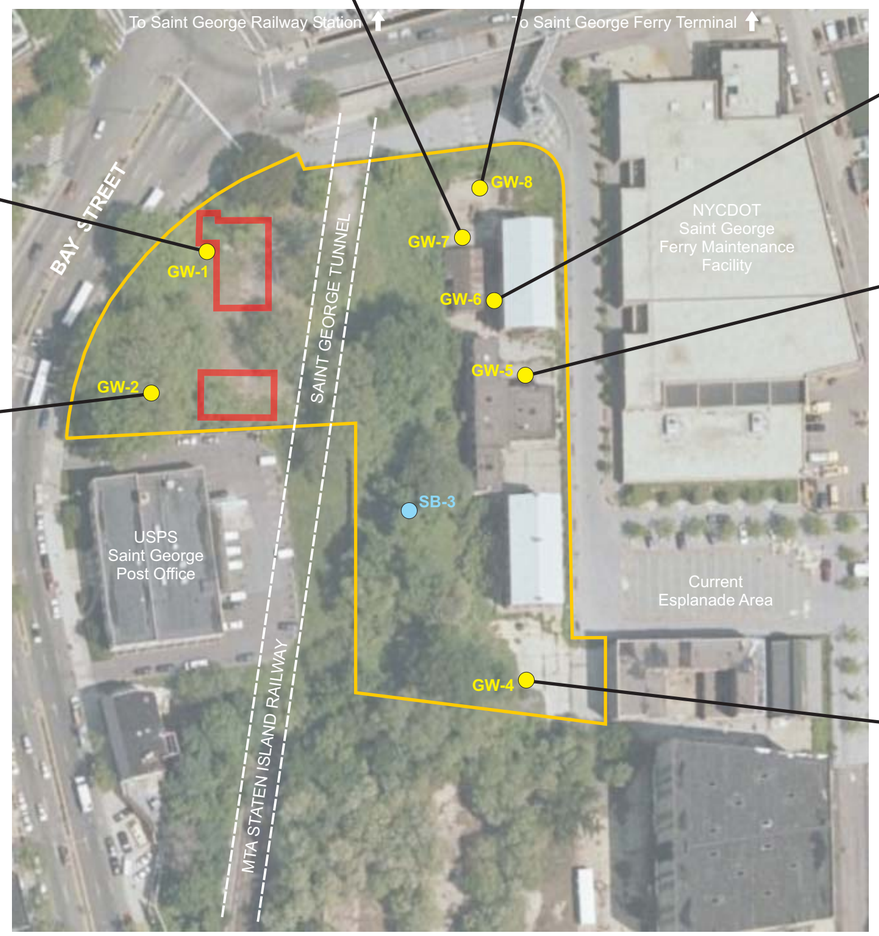
GW-1	7/5/2007	7/5/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**32**	--
Barium	**1300**	230
Chromium	**360**	--
Copper	**270**	--
Lead	**160**	--
Nickel	**2900**	98
Zinc	390	--
VOCs		
Methylene chloride	**5.2**	NA
SVOCs		
Bis(2-ethylhexyl) phthalate	3.7 J	NA
PCBs	ND	NA
Pesticides	ND	NA

GW-6	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**61**	--
Barium	940	57
Beryllium	**5.3**	--
Chromium	**280**	--
Copper	**590**	--
Lead	**190**	--
Nickel	**1700**	--
Zinc	600	--
VOCs	ND	NA
SVOCs	ND	NA
PCBs	NA	NA
Pesticides	NA	NA

GW-5	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Barium	290	170
Copper	58	--
Lead	**45**	--
Nickel	**160**	--
Zinc	82	--
VOCs		
Methylene chloride	3.7 J	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

GW-2

Drill refusal at 15 ft bls.
Borehole not completed.



GW-4	7/6/2007	7/6/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	**41**	--
Barium	**1800**	180
Beryllium	**4.7**	--
Chromium	**270**	--
Copper	**610**	--
Lead	**130**	--
Nickel	**3400**	**110**
Zinc	460	--
VOCs	ND	NA
SVOCs	ND	NA
PCBs	ND	NA
Pesticides	ND	NA

N

100' 0 100'

LEGEND

- Soil and groundwater sampling location
- Soil sampling location
- Property line (approximate)
- Footprint of former dwelling

Parameter	NYSDEC AWQSGV
Metals	
Arsenic	25
Barium	1000
Beryllium	3
Chromium	50
Copper	200
Lead	25
Nickel	100
Zinc	2000
VOCs	
Methylene chloride	5
Trichloroethene	5
SVOCs	
Bis(2-ethylhexyl) phthalate	5

Concentrations are in µg/L

Bold red font indicates data that exceeds the NYSDEC AWQSGV

Only data with detections or exceedances has NYSDEC AWQSGV shown

µg/L - micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGV - Ambient Water Quality Standards and Guidance Values
J - Estimated value
NA - Not analyzed
ND - No detections in entire sample
-- - Not detected
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyl Compounds

Sample I.D. → ← Sample date

GW-7	7/9/2007	7/9/2007
Analyte	Unfiltered	Filtered
Metals		
Arsenic	9.3	--
Barium	290	76
Chromium	**59**	--
Copper	72	--
Lead	21	--
Nickel	**520**	--
Zinc	130	--
VOCs		
Trichloroethene	1 J	NA
SVOCs	ND	
PCBs	NA	NA
Pesticides	NA	NA

Analytes — Concentrations in ug/L

NOTES:

1. Footprint of former dwellings is approximate and estimated from historic sanborn maps and national archives photography.
2. Location of borings from field evaluation, not from survey.
3. Exterior boundary of Saint George Tunnel estimated from drawings made available on June 20, 2007 by the Staten Island Railway.

Title:

GROUNDWATER QUALITY RESULTS

LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared for:

TRIANGLE EQUITIES DEVELOPMENT COMPANY, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: L.D.	Date: 10SEP07	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr.: L.D.	Office: NY	
File No.: TRi0110501.CDR	Project No.: 163701Y	

\TRI163Y\TRI01Y\100\TRI0110001.CDR

APPENDIX C

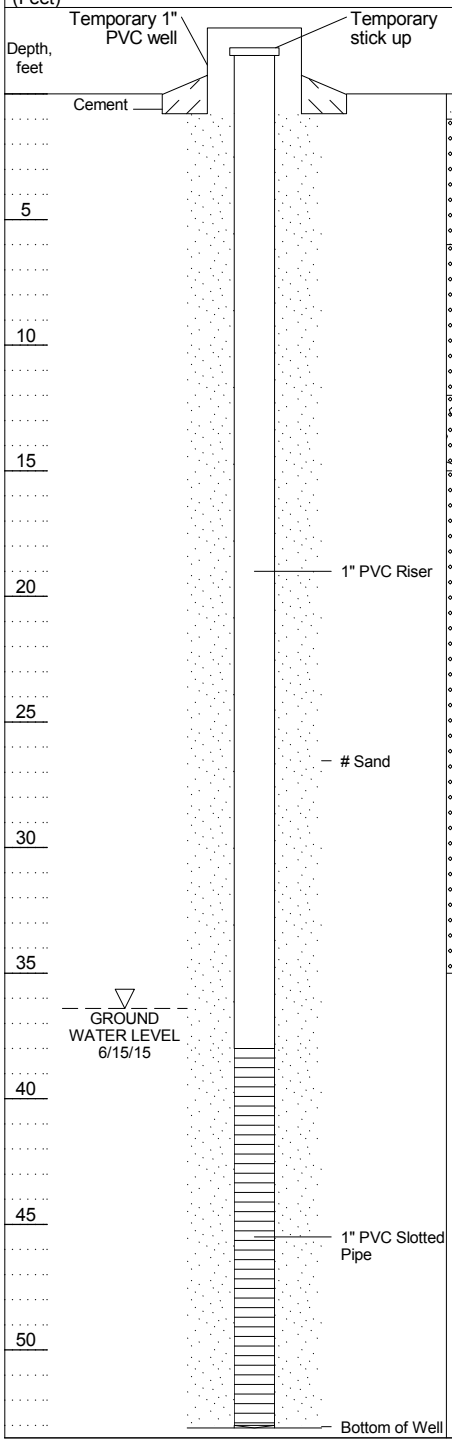
Soil Boring Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL CONSTRUCTION LOG

WELL NO. **SB-9/GW-9**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **1637.0001Y003 / Lighthouse Point Redevelopment**		LOCATION **5 Bay Street Staten Island, New York**		
APPROVED BY **J. Collins**	LOGGED BY **B. Klaus**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Joey McGill**		GEOGRAPHIC AREA **Northeastern Staten Island**		
DRILL BIT DIAMETER/TYPE **4-in. / Drive Sampler**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Sonic Drill / Sonic Rotary**	SAMPLING METHOD **Sonic Rotary**	START-FINISH DATE **6/8/15-6/15/15**
CASING MAT./DIA. **PVC / 1-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **15.0**ft DIA. **1-inch** SLOT SIZE **20-Slot**			
ELEVATION OF: (Feet) GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN **/**	GRAVEL PACK SIZES **Morie #2**	



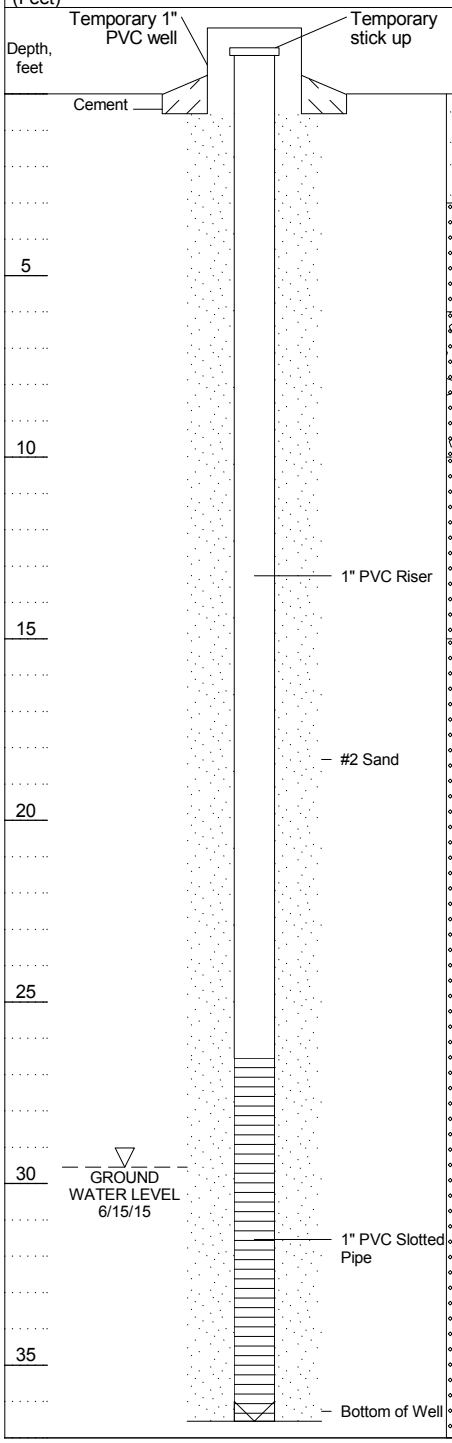
Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown to grey, fine to coarse SAND, some fine to medium Gravel (fill); moist.		2.8	
		Brown, fine to medium SAND, some Silt, little clay; moist.	G	7.5	Sample SB-9 (0-2) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
				7.8	
5				7.5	WC-3 (0-6) collected for full waste characterization list. 5
				7.5	
		Reddish brown to brown, fine to medium SAND, little Silt, little Gravel; moist.		4.8	
				1.1	
10					WC-3 (6-12) collected for full waste characterization list. 10
				1.3	
		Reddish brown, fine to coarse SAND, some Gravel, little Silt; moist.		0.7	
15					15
		Reddish brown, fine to medium SAND, some Silt, travel gravel; moist.			WC-3 (12-18) collected for full waste characterization list.
				1.1	
20					20
					WC-3 (18-24) collected for full waste characterization list.
				2.7	
25					25
				3.9	WC-3 (24-30) collected for full waste characterization list.
30					30
				2.7	Sample SB-9 (30-32) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
35					End of boring. 35
40					40
45					45
50					50

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

WELL CONSTRUCTION LOG

WELL NO. **SB-10/GW-10**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **1637.0001Y003 / Lighthouse Point Redevelopment**		LOCATION **5 Bay Street Staten Island, New York**		
APPROVED BY **J. Collins**	LOGGED BY **B. Klaus**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling and Testing / Joey McGill**		GEOGRAPHIC AREA **Northeastern Staten Island**		
DRILL BIT DIAMETER/TYPE **4-in. / Drive Sampler**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Sonic Drill / Sonic Rotary**	SAMPLING METHOD **Sonic Rotary**	START-FINISH DATE **6/10/15-6/15/15**
CASING MAT./DIA. **PVC / 1-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **10.0**ft DIA. **1-inch** SLOT SIZE **20-Slot**			
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN **/**	GRAVEL PACK SIZES **Morie #2**



Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Brown, fine to coarse SAND, some Silt, little Gravel, little Organic Material, little Brick (fill); moist.		2.8	
			7.5	Sample SB-10 (0-2) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
		G	7.8	
	Light brown, fine to medium SAND, some Silt, little Clay, little Organic Material; moist.		7.5	WC-14 (0-6) collected for full waste characterization list.
5			7.5	5
	Reddish-brown, fine to medium SAND, some fine Gravel, some Silt; moist.		4.8	
			1.1	
10				WC-14 (6-12) collected for full waste characterization list. 10
	Reddish-brown, fine to medium SAND, some Silt, some fine Gravel; moist.		1.1	
			1.1	
15				15
	Reddish-brown, fine to coarse SAND, little Silt; moist.		1.3	WC-14 (12-18) collected for full waste characterization list.
20				20
				WC-14 (18-24) collected for full waste characterization list.
			1.2	
25				End of boring. 25
			1.1	Sample SB-10 (24-26) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
30				30
35				35

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-11	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1637.0001Y003 / Lighthouse Point Redevelopment		**5 Bay Street**		
APPROVED BY	LOGGED BY	**Staten Island, New York**		
J. Collins	**B. Klaus**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joey McGill		**Northeastern Staten Island**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
4-in. / Drive Sampler	**6-inches**	**Sonic Drill / Sonic Rotary**	**Sonic Rotary**	**6/9/15-6/11/15**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"		PID Values (ppm)	REMARKS
		Brown, fine to coarse SAND, some fine Gravel, some Organic Material (fill); moist.			1.9	
		Brown, fine to coarse SAND, some Silt, some Brick, some Gravel (fill); moist.			5.8	Sample SB-11 (0-2) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
		Brown, fine to coarse SAND, some Silt, some Brick, some Plastic (fill); moist.		G	1.9	
		Light brown, fine to medium SAND, some Silt, trace clay; moist.			1.1	WC-7 (0-6) collected for full waste characterization list.
5					6.5	5
					6.0	
		Dark brown, fine to medium SAND, little Silt, little fine Gravel; moist.				
		Brown to reddish-brown, fine to medium SAND, little Silt, little fine to medium Gravel; moist.			1.1	
10						WC-7 (6-12) collected for full waste characterization list. 10
		Reddish-brown, fine to coarse SAND, little Silt, little fine to coarse Gravel; moist.			1.3	
					0.7	
15						15
						WC-7 (12-18) collected for full waste characterization list.
					1.1	
20						20
						WC-7 (18-24) collected for full waste characterization list.
		Reddish-brown, fine to coarse SAND, some fine to medium Gravel, little Silt; moist.			2.7	
25						25
		Reddish-brown, fine to coarse SAND, some fine Gravel, little Silt; moist.			3.9	WC-7 (24-30) collected for full waste characterization list.
		Brown, fine to coarse SAND, little fine Gravel; moist.				
30						30
					2.7	Sample SB-11 (30-32) collected for VOCs, SVOCs, PCBs, Pesticides and Metals. End of boring.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-12	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1637.0001Y003 / Lighthouse Point Redevelopment		**5 Bay Street**		
APPROVED BY	LOGGED BY	**Staten Island, New York**		
J. Collins	**B. Klaus**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling and Testing / Joey McGill		**Northeastern Staten Island**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
4-in. / Drive Sampler	**6-inches**	**Sonic Drill / Sonic Rotary**	**Sonic Rotary**	**6/9/15-6/11/15**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown, fine to medium SAND, little Silt; moist.		0.0	
				0.0	Sample SB-12 (0-2) collected for VOCs, SVOCs, PCBs, Pesticides and Metals.
		Brown, fine to medium SAND, some Silt, some Organic Material, trace clay; moist.	G	0.0	
				0.0	WC-8 (0-6) collected for full waste characterization list.
5				0.0	5
		Brown to reddish-brown, fine to coarse SAND, little fine Gravel, little Silt; moist.		0.0	
				0.0	
					WC-8 (6-12) collected for full waste characterization list.
10					10
		Red to brown, fine to medium SAND, some Silt, little fine to medium Gravel; moist.		0.0	
				0.0	
15					15
		Reddish-brown, fine to coarse SAND, some Silt, little Gravel; moist.			WC-8 (12-18) collected for full waste characterization list.
				0.0	
20					20
		Reddish, fine to medium SAND, some Silt, little Gravel; moist.			
					WC-8 (18-24) collected for full waste characterization list.
				0.0	
					Soil vapor sample SV-3 collected at 28'.
25					Sample SB-12 (24-26) collected for VOCs, SVOCs, PCBs, Pesticides and Metals. End of boring. 25

APPENDIX D

Laboratory Data Deliverables

(Provided on CD in Bound Report)

ANALYTICAL REPORT

Lab Number:	L1513391
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/22/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513391-01	SB-9 (30-32)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 10:05	06/15/15
L1513391-02	DUP061515	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:00	06/15/15
L1513391-03	SB-10 (24-26)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:45	06/15/15
L1513391-04	DUP061515	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:00	06/15/15
L1513391-05	GW-10	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 13:00	06/15/15
L1513391-06	MW-9	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:40	06/15/15
L1513391-07	MW-11	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 10:30	06/15/15
L1513391-08	FIELD BLANK 061515	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 15:30	06/15/15
L1513391-09	TRIP BLANK	WATER	5 BAY STREET, STATEN ISLAND, NY	06/12/15 00:00	06/15/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
The WG794790-4/-5 MS/MSD RPD, performed on L1513391-06, is above the acceptance criteria for 1,4-dioxane (41%).
The WG795678-4/-5 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for toluene (21%/68%) and vinyl acetate (MS at 66%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics
L1513391-04 has elevated detection limits due to limited sample volume available for analysis.
The WG794923-3 LCSD recovery, associated with L1513391-04 through -08, is below the acceptance criteria for benzoic acid (3%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG794923-4/-5 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for 1,2,4-trichlorobenzene (MS at 35%), bis(2-chloroethyl)ether (MS at 38%), 1,2-dichlorobenzene (MS at 28%), 1,3-dichlorobenzene (MS at 24%), 1,4-dichlorobenzene (MS at 25%), 3,3'-dichlorobenzidine (MS at 38%), 2,4-dinitrotoluene (MSD at 100%), bis(2-chloroisopropyl)ether (MS at 33%), hexachlorobutadiene (MS at 30%), hexachloroethane (MS at 21%), and 2,4-dimethylphenol (MS at 28%).
The WG794923-4/-5 MS/MSD RPDs, performed on L1513391-06, are above the acceptance criteria for acenaphthene (31%), 1,2,4-trichlorobenzene (53%), hexachlorobenzene (34%), bis(2-chloroethyl)ether (46%), 2-chloronaphthalene (40%), 1,2-dichlorobenzene (63%), 1,3-dichlorobenzene (67%), 1,4-dichlorobenzene (67%), 2,4-dinitrotoluene (34%), 2,6-dinitrotoluene (31%), fluoranthene (31%), 4-chlorophenyl phenyl ether (33%), 4-bromophenyl phenyl ether (32%), bis(2-chloroisopropyl)ether (42%), bis(2-chloroethoxy)methane (42%), hexachlorobutadiene (59%), hexachlorocyclopentadiene (40%), hexachloroethane (68%), isophorone

Case Narrative (continued)

(40%), naphthalene (45%), nitrobenzene (43%), n-nitrosodi-n-propylamine (38%), bis(2-ethylhexyl)phthalate (43%), butyl benzyl phthalate (32%), di-n-butylphthalate (32%), di-n-octylphthalate (33%), diethyl phthalate (31%), dimethyl phthalate (34%), benzo(a)anthracene (34%), benzo(b)fluoranthene (32%), chrysene (34%), acenaphthylene (34%), fluorene (32%), phenanthrene (32%), dibenzo(a,h)anthracene (32%), indeno(1,2,3-cd)pyrene (32%), pyrene (31%), biphenyl (32%), 2-nitroaniline (32%), dibenzofuran (32%), 2-methylnaphthalene (38%), 1,2,4,5-tetrachlorobenzene (35%), acetophenone (47%), 2,4,6-trichlorophenol (37%), p-chloro-m-cresol (34%), 2-chlorophenol (36%), 2,4-dichlorophenol (37%), 2,4-dimethylphenol (31%), 2-nitrophenol (40%), 4-nitrophenol (32%), pentachlorophenol (33%), phenol (34%), 2-methylphenol (32%), 3-methylphenol/4-methylphenol (32%), 2,4,5-trichlorophenol (34%), benzyl alcohol (40%), and carbazole (32%).
The WG795041-4/-5 MS/MSD recoveries, performed on L1513391-01, are below the acceptance criteria for 2,4-dinitrophenol (MSD at 0%) and benzoic acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

Semivolatile Organics by SIM
L1513391-04 has elevated detection limits due to limited sample volume available for analysis.
The WG794924-4/-5 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for pyrene (MSD at 130%), pentachlorophenol (MSD at 120%), and hexachloroethane (MS at 35%).
The WG794924-4/-5 MS/MSD RPD, performed on L1513391-06, is above the acceptance criteria for hexachloroethane (63%).

Metals
L1513391-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG794304-3/-4 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for mercury (149%/152%). A post digestion spike was performed and was within acceptance criteria.
The WG795004-9/-10 MS/MSD recoveries for aluminum (MSD at 180%), iron (0%/0%), and magnesium (MSD at 161%), performed on L1513391-06, do not apply because the sample concentrations are greater than four

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative (continued)

times the spike amount added.

The WG795004-9/-10 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for antimony (54%/55%). A post digestion spike was performed and was within acceptance criteria.

The WG795168-3/-4 MS/MSD recoveries for aluminum (0%/0%), calcium (0%/0%), iron (0%/0%), magnesium (MS at 0%), and manganese (0%/0%), performed on L1513391-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG795168-3/-4 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for potassium (52%/74%) and sodium (MS at 126%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/22/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:59		
Analyst:	MV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.7	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.97	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.97	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.97	0.14	1
Chlorobenzene	ND		ug/kg	0.97	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.11	1
Bromodichloromethane	ND		ug/kg	0.97	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.97	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.14	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.10	1
Benzene	4.3		ug/kg	0.97	0.11	1
Toluene	25		ug/kg	1.4	0.19	1
Ethylbenzene	0.93	J	ug/kg	0.97	0.12	1
Chloromethane	3.6	J	ug/kg	4.8	0.28	1
Bromomethane	ND		ug/kg	1.9	0.33	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.97	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	0.66	J	ug/kg	1.9	0.19	1
o-Xylene	0.69	J	ug/kg	1.9	0.17	1
Xylenes, Total	1.4	J	ug/kg	1.9	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.14	1
Dibromomethane	ND		ug/kg	9.7	0.16	1
Styrene	ND		ug/kg	1.9	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.18	1
Acetone	7.8	J	ug/kg	9.7	1.0	1
Carbon disulfide	ND		ug/kg	9.7	1.1	1
2-Butanone	4.3	J	ug/kg	9.7	0.26	1
Vinyl acetate	ND		ug/kg	9.7	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.7	0.16	1
2-Hexanone	ND		ug/kg	9.7	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.27	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.31	1
Bromobenzene	ND		ug/kg	4.8	0.20	1
n-Butylbenzene	ND		ug/kg	0.97	0.11	1
sec-Butylbenzene	ND		ug/kg	0.97	0.12	1
tert-Butylbenzene	ND		ug/kg	4.8	0.13	1
o-Chlorotoluene	ND		ug/kg	4.8	0.15	1
p-Chlorotoluene	ND		ug/kg	4.8	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.22	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.12	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.7	0.50	1
n-Propylbenzene	ND		ug/kg	0.97	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.14	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
1,4-Dioxane	ND		ug/kg	97	14.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.15	1
p-Ethyltoluene	0.32	J	ug/kg	3.9	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:00		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.85	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	40		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	9.8	J	ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	0.26	J	ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:29		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	15		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	3.2	J	ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 03:46		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 04:13		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.6		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	46		ug/l	2.5	0.70	1
Ethylbenzene	5.4		ug/l	2.5	0.70	1
Chloromethane	1.0	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.2	J	ug/l	2.5	0.70	1
o-Xylene	5.8		ug/l	2.5	0.70	1
Xylenes, Total	8.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	37		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	13		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	2.7		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.0	J	ug/l	2.5	0.70	1
n-Propylbenzene	3.0		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	1.5	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 05:09		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	29		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.80		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	3.2		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	1.0	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.78	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.78	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 04:41		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/17/15 23:36		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-09	Date Collected:	06/12/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 00:04		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-09 Date Collected: 06/12/15 00:00

Client ID: TRIP BLANK Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-09 Date Collected: 06/12/15 00:00

Client ID: TRIP BLANK Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	3.7	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	1.5	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
Methylene chloride	91		98		70-130	7		20
1,1-Dichloroethane	85		92		70-130	8		20
Chloroform	87		94		70-130	8		20
Carbon tetrachloride	86		94		63-132	9		20
1,2-Dichloropropane	85		92		70-130	8		20
Dibromochloromethane	84		92		63-130	9		20
1,1,2-Trichloroethane	88		93		70-130	6		20
Tetrachloroethene	89		93		70-130	4		20
Chlorobenzene	89		93		75-130	4		20
Trichlorofluoromethane	86		94		62-150	9		20
1,2-Dichloroethane	84		90		70-130	7		20
1,1,1-Trichloroethane	86		93		67-130	8		20
Bromodichloromethane	84		91		67-130	8		20
trans-1,3-Dichloropropene	84		92		70-130	9		20
cis-1,3-Dichloropropene	86		93		70-130	8		20
1,1-Dichloropropene	87		94		70-130	8		20
Bromoform	77		84		54-136	9		20
1,1,2,2-Tetrachloroethane	83		90		67-130	8		20
Benzene	85		92		70-130	8		20
Toluene	88		92		70-130	4		20
Ethylbenzene	88		95		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
Chloromethane	86		93		64-130	8		20
Bromomethane	86		108		39-139	**23**	Q	20
Vinyl chloride	91		99		55-140	8		20
Chloroethane	82		91		55-138	10		20
1,1-Dichloroethene	91		98		61-145	7		20
trans-1,2-Dichloroethene	87		95		70-130	9		20
Trichloroethene	86		94		70-130	9		20
1,2-Dichlorobenzene	87		91		70-130	4		20
1,3-Dichlorobenzene	89		94		70-130	5		20
1,4-Dichlorobenzene	88		92		70-130	4		20
Methyl tert butyl ether	84		92		63-130	9		20
p/m-Xylene	89		95		70-130	7		20
o-Xylene	88		95		70-130	8		20
cis-1,2-Dichloroethene	89		96		70-130	8		20
Dibromomethane	85		92		70-130	8		20
1,2,3-Trichloropropane	84		90		64-130	7		20
Acrylonitrile	81		87		70-130	7		20
Styrene	86		93		70-130	8		20
Dichlorodifluoromethane	87		95		36-147	9		20
Acetone	107		109		58-148	2		20
Carbon disulfide	86		89		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
2-Butanone	96		102		63-138	6		20
Vinyl acetate	80		87		70-130	8		20
4-Methyl-2-pentanone	76		82		59-130	8		20
2-Hexanone	75		83		57-130	10		20
Bromochloromethane	91		98		70-130	7		20
2,2-Dichloropropane	93		101		63-133	8		20
1,2-Dibromoethane	85		92		70-130	8		20
1,3-Dichloropropane	84		92		70-130	9		20
1,1,1,2-Tetrachloroethane	87		94		64-130	8		20
Bromobenzene	89		93		70-130	4		20
n-Butylbenzene	98		101		53-136	3		20
sec-Butylbenzene	94		99		70-130	5		20
tert-Butylbenzene	92		96		70-130	4		20
o-Chlorotoluene	88		94		70-130	7		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	84		94		41-144	11		20
Hexachlorobutadiene	99		103		63-130	4		20
Isopropylbenzene	91		95		70-130	4		20
p-Isopropyltoluene	96		100		70-130	4		20
Naphthalene	83		94		70-130	12		20
n-Propylbenzene	92		95		69-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
1,2,3-Trichlorobenzene	76		92		70-130	19		20
1,2,4-Trichlorobenzene	81		92		70-130	13		20
1,3,5-Trimethylbenzene	94		96		64-130	2		20
1,2,4-Trimethylbenzene	96		97		70-130	1		20
1,4-Dioxane	72		98		56-162	**31**	Q	20
p-Diethylbenzene	99		101		70-130	2		20
p-Ethyltoluene	95		97		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		97		70-130	5		20
Ethyl ether	86		94		59-134	9		20
trans-1,4-Dichloro-2-butene	81		90		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Methylene chloride	100		95		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	109		97		70-130	12		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	94		95		70-130	1		30
2-Chloroethylvinyl ether	84		86		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	109		101		70-130	8		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	116		102		70-139	13		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	106		96		70-130	10		30
Bromodichloromethane	99		95		70-130	4		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	100		98		70-130	2		30
1,1-Dichloropropene	110		99		70-130	11		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	82		87		70-130	6		30
Benzene	103		96		70-130	7		30
Toluene	96		90		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Ethylbenzene	101		95		70-130	6		30
Chloromethane	95		88		52-130	8		30
Bromomethane	107		98		57-147	9		30
Vinyl chloride	95		83		67-130	13		30
Chloroethane	106		96		50-151	10		30
1,1-Dichloroethene	110		99		65-135	11		30
trans-1,2-Dichloroethene	108		98		70-130	10		30
Trichloroethene	108		99		70-130	9		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	104		98		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Dibromomethane	96		96		70-130	0		30
Styrene	103		98		70-130	5		30
Dichlorodifluoromethane	80		69		30-146	15		30
Acetone	87		100		54-140	14		30
Carbon disulfide	100		90		59-130	11		30
2-Butanone	90		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Vinyl acetate	94		96		70-130	2		30
4-Methyl-2-pentanone	89		93		70-130	4		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	81		86		70-130	6		30
Bromochloromethane	104		102		70-130	2		30
2,2-Dichloropropane	109		99		70-130	10		30
1,2-Dibromoethane	93		93		70-130	0		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	103		98		70-130	5		30
sec-Butylbenzene	104		96		70-130	8		30
tert-Butylbenzene	101		94		70-130	7		30
o-Chlorotoluene	97		91		70-130	6		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	83		91		68-130	9		30
Hexachlorobutadiene	110		103		67-130	7		30
Isopropylbenzene	100		94		70-130	6		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	92		94		70-130	2		30
Acrylonitrile	98		103		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Diisopropyl Ether	102		100		66-130	2		30
Tert-Butyl Alcohol	81		86		70-130	6		30
n-Propylbenzene	100		94		70-130	6		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	100		94		70-130	6		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
Methyl Acetate	89		96		51-146	8		30
Ethyl Acetate	87		93		70-130	7		30
Acrolein	94		96		70-130	2		30
Cyclohexane	116		102		59-142	13		30
1,4-Dioxane	91		93		65-136	2		30
Freon-113	114		101		50-139	12		30
p-Diethylbenzene	104		97		70-130	7		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	88		101		66-130	14		30
Ethyl ether	94		93		67-130	1		30
trans-1,4-Dichloro-2-butene	86		90		70-130	5		30
Methyl cyclohexane	114		101		70-130	12		30
Ethyl-Tert-Butyl-Ether	97		96		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Tertiary-Amyl Methyl Ether	93		93		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
Methylene chloride	ND	10	11	112		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	11	112		11	112		70-130	0		20
Chloroform	29	10	38	92		40	109		70-130	5		20
Carbon tetrachloride	ND	10	11	111		10	106		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	108		70-130	0		20
Dibromochloromethane	ND	10	11	108		10	105		63-130	10		20
1,1,2-Trichloroethane	ND	10	11	106		11	107		70-130	0		20
Tetrachloroethene	0.80	10	12	107		11	103		70-130	9		20
Chlorobenzene	ND	10	11	107		10	104		75-130	10		20
Trichlorofluoromethane	ND	10	11	111		11	108		62-150	0		20
1,2-Dichloroethane	ND	10	10	105		10	105		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	113		11	109		67-130	0		20
Bromodichloromethane	3.2	10	14	108		14	107		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	102		10	101		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	102		10	101		70-130	0		20
1,1-Dichloropropene	ND	10	11	114		11	107		70-130	0		20
Bromoform	ND	10	9.3	93		9.5	95		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	103		67-130	0		20
Benzene	ND	10	11	110		11	107		70-130	0		20
Toluene	1.0J	10	12	119		11	114		70-130	9		20
Ethylbenzene	ND	10	11	114		11	107		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
Chloromethane	ND	10	12	116		12	121		64-130	0		20
Bromomethane	ND	10	11	108		12	124		39-139	9		20
Vinyl chloride	ND	10	12	122		12	123		55-140	0		20
Chloroethane	ND	10	11	114		11	114		55-138	0		20
1,1-Dichloroethene	ND	10	12	116		11	111		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	112		11	108		70-130	0		20
Trichloroethene	ND	10	11	110		11	106		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	103		10	102		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
Methyl tert butyl ether	ND	10	10	101		10	101		63-130	0		20
p/m-Xylene	0.78J	20	22	113		21	106		70-130	5		20
o-Xylene	ND	20	22	110		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	111		11	110		70-130	0		20
Dibromomethane	ND	10	10	105		10	104		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.9	100		10	103		64-130	1		20
Acrylonitrile	ND	10	10	102		10	101		70-130	0		20
Styrene	ND	20	21	107		20	102		70-130	5		20
Dichlorodifluoromethane	ND	10	10	104		10	105		36-147	0		20
Acetone	3.4J	10	12	124		13	131		58-148	8		20
Carbon disulfide	ND	10	11	107		10	105		51-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
2-Butanone	ND	10	9.1	91		9.3	93		63-138	2		20
Vinyl acetate	ND	10	9.9	99		9.8	98		70-130	1		20
4-Methyl-2-pentanone	ND	10	9.3	93		9.2	92		59-130	1		20
2-Hexanone	ND	10	10	106		11	109		57-130	10		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	10	105		10	102		63-133	0		20
1,2-Dibromoethane	ND	10	10	104		10	104		70-130	0		20
1,3-Dichloropropane	ND	10	10	105		10	104		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	11	109		10	105		64-130	10		20
Bromobenzene	ND	10	10	103		10	102		70-130	0		20
n-Butylbenzene	ND	10	11	108		10	103		53-136	10		20
sec-Butylbenzene	ND	10	11	109		10	102		70-130	10		20
tert-Butylbenzene	ND	10	11	108		10	103		70-130	10		20
o-Chlorotoluene	ND	10	10	106		10	103		70-130	0		20
p-Chlorotoluene	ND	10	10	105		10	105		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.4	94		9.9	100		41-144	5		20
Hexachlorobutadiene	ND	10	8.5	85		8.3	83		63-130	2		20
Isopropylbenzene	ND	10	11	108		10	103		70-130	10		20
p-Isopropyltoluene	ND	10	11	107		10	102		70-130	10		20
Naphthalene	ND	10	8.5	85		10	102		70-130	16		20
n-Propylbenzene	ND	10	11	109		10	105		69-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
1,2,3-Trichlorobenzene	ND	10	8.3	83		9.9	99		70-130	18		20
1,2,4-Trichlorobenzene	ND	10	8.7	87		9.6	96		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	11	108		10	104		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	11	110		11	107		70-130	0		20
1,4-Dioxane	ND	500	330	67		500	100		56-162	**41**	Q	20
p-Diethylbenzene	ND	10	11	108		10	104		70-130	10		20
p-Ethyltoluene	ND	10	11	112		11	109		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.9	99		10	100		70-130	1		20
Ethyl ether	ND	10	10	105		11	107		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	9.3	94		9.7	97		70-130	4		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	100		100		70-130
Toluene-d8	101		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Methylene chloride	ND	21.8	22	98		21	101		70-130	1		30
1,1-Dichloroethane	ND	21.8	23	105		23	109		70-130	0		30
Chloroform	ND	21.8	22	102		22	106		70-130	0		30
Carbon tetrachloride	ND	21.8	23	104		23	108		70-130	0		30
1,2-Dichloropropane	ND	21.8	23	104		23	109		70-130	1		30
Dibromochloromethane	ND	21.8	21	97		21	100		70-130	0		30
1,1,2-Trichloroethane	ND	21.8	21	97		21	100		70-130	0		30
Tetrachloroethene	ND	21.8	23	104		23	111		70-130	3		30
Chlorobenzene	ND	21.8	22	98		22	103		70-130	1		30
Trichlorofluoromethane	ND	21.8	22	102		22	106		70-139	0		30
1,2-Dichloroethane	ND	21.8	21	98		21	100		70-130	2		30
1,1,1-Trichloroethane	ND	21.8	23	104		23	109		70-130	0		30
Bromodichloromethane	ND	21.8	22	101		22	102		70-130	2		30
trans-1,3-Dichloropropene	ND	21.8	21	94		21	97		70-130	0		30
cis-1,3-Dichloropropene	ND	21.8	22	102		22	105		70-130	1		30
1,1-Dichloropropene	ND	21.8	24	108		24	112		70-130	0		30
Bromoform	ND	21.8	20	93		20	94		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	21.8	17	80		17	82		70-130	0		30
Benzene	4.3	21.8	24	91		26	101		70-130	6		30
Toluene	25	21.8	30	**21**	Q	39	**68**	Q	70-130	29		30
Ethylbenzene	0.93J	21.8	22	101		23	107		70-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Chloromethane	3.6J	21.8	22	99		21	99		52-130	4		30
Bromomethane	ND	21.8	23	106		22	103		57-147	7		30
Vinyl chloride	ND	21.8	20	90		20	93		67-130	0		30
Chloroethane	ND	21.8	22	102		22	106		50-151	0		30
1,1-Dichloroethene	ND	21.8	23	104		23	109		65-135	1		30
trans-1,2-Dichloroethene	ND	21.8	23	105		23	110		70-130	0		30
Trichloroethene	ND	21.8	25	115		25	118		70-130	1		30
1,2-Dichlorobenzene	ND	21.8	21	94		21	98		70-130	0		30
1,3-Dichlorobenzene	ND	21.8	20	93		21	98		70-130	1		30
1,4-Dichlorobenzene	ND	21.8	20	92		21	98		70-130	2		30
Methyl tert butyl ether	ND	21.8	21	96		21	100		66-130	0		30
p/m-Xylene	0.66J	43.7	44	102		45	106		70-130	1		30
o-Xylene	0.69J	43.7	44	101		45	106		70-130	0		30
cis-1,2-Dichloroethene	ND	21.8	23	103		23	108		70-130	0		30
Dibromomethane	ND	21.8	22	102		22	104		70-130	1		30
Styrene	ND	43.7	44	100		44	105		70-130	1		30
Dichlorodifluoromethane	ND	21.8	15	66		14	68		30-146	1		30
Acetone	7.8J	21.8	29	134		28	133		54-140	4		30
Carbon disulfide	ND	21.8	21	98		22	102		59-130	1		30
2-Butanone	4.3J	21.8	24	111		25	118		70-130	2		30
Vinyl acetate	ND	21.8	14	**66**	Q	15	71		70-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
4-Methyl-2-pentanone	ND	21.8	22	101		22	105		70-130	0		30
1,2,3-Trichloropropane	ND	21.8	20	92		20	93		68-130	2		30
2-Hexanone	ND	21.8	21	97		21	99		70-130	1		30
Bromochloromethane	ND	21.8	23	105		23	109		70-130	0		30
2,2-Dichloropropane	ND	21.8	22	102		22	105		70-130	0		30
1,2-Dibromoethane	ND	21.8	21	95		21	99		70-130	1		30
1,3-Dichloropropane	ND	21.8	21	94		21	98		69-130	0		30
1,1,1,2-Tetrachloroethane	ND	21.8	21	97		21	101		70-130	1		30
Bromobenzene	ND	21.8	21	95		21	100		70-130	2		30
n-Butylbenzene	ND	21.8	21	95		21	100		70-130	2		30
sec-Butylbenzene	ND	21.8	21	96		21	100		70-130	1		30
tert-Butylbenzene	ND	21.8	21	97		21	100		70-130	0		30
o-Chlorotoluene	ND	21.8	20	93		21	98		70-130	1		30
p-Chlorotoluene	ND	21.8	20	92		21	97		70-130	1		30
1,2-Dibromo-3-chloropropane	ND	21.8	20	93		20	96		68-130	0		30
Hexachlorobutadiene	ND	21.8	18	84		19	91		67-130	4		30
Isopropylbenzene	ND	21.8	21	98		22	102		70-130	1		30
p-Isopropyltoluene	ND	21.8	21	97		21	101		70-130	1		30
Naphthalene	ND	21.8	20	91		20	95		70-130	1		30
Acrylonitrile	ND	21.8	23	105		22	106		70-130	3		30
n-Propylbenzene	ND	21.8	22	98		22	103		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
1,2,3-Trichlorobenzene	ND	21.8	20	92		20	96		70-130	1		30
1,2,4-Trichlorobenzene	ND	21.8	20	92		20	96		70-130	1		30
1,3,5-Trimethylbenzene	ND	21.8	21	96		21	100		70-130	0		30
1,2,4-Trimethylbenzene	ND	21.8	21	96		21	100		70-130	0		30
1,4-Dioxane	ND	1090	1100	100		1100	100		65-136	3		30
p-Diethylbenzene	ND	21.8	21	97		21	101		70-130	1		30
p-Ethyltoluene	0.32J	21.8	21	98		22	102		70-130	1		30
1,2,4,5-Tetramethylbenzene	ND	21.8	21	94		20	97		70-130	1		30
Ethyl ether	ND	21.8	22	99		22	102		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	21.8	19	89		19	89		70-130	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	100		100		70-130
Toluene-d8	96		96		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 12:58		
Analyst:	AL		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	65		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 13:25		
Analyst:	AL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	590		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	240	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	49		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 13:51		
Analyst:	AL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	190	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	1300		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	47		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 21:52		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	7.4	0.31	1
Bis(2-chloroethyl)ether	ND		ug/l	2.9	0.60	1
1,2-Dichlorobenzene	ND		ug/l	2.9	0.44	1
1,3-Dichlorobenzene	ND		ug/l	2.9	0.51	1
1,4-Dichlorobenzene	ND		ug/l	2.9	0.48	1
3,3'-Dichlorobenzidine	ND		ug/l	7.4	0.70	1
2,4-Dinitrotoluene	ND		ug/l	7.4	1.5	1
2,6-Dinitrotoluene	ND		ug/l	7.4	1.3	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.9	0.52	1
4-Bromophenyl phenyl ether	ND		ug/l	2.9	0.63	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.9	0.88	1
Bis(2-chloroethoxy)methane	ND		ug/l	7.4	0.88	1
Hexachlorocyclopentadiene	ND		ug/l	29	0.86	1
Isophorone	ND		ug/l	7.4	1.2	1
Nitrobenzene	ND		ug/l	2.9	0.59	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.9	0.50	1
n-Nitrosodi-n-propylamine	ND		ug/l	7.4	0.95	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.4	1.4	1
Butyl benzyl phthalate	ND		ug/l	7.4	1.7	1
Di-n-butylphthalate	ND		ug/l	7.4	1.1	1
Di-n-octylphthalate	ND		ug/l	7.4	1.8	1
Diethyl phthalate	ND		ug/l	7.4	0.58	1
Dimethyl phthalate	ND		ug/l	7.4	0.49	1
Biphenyl	ND		ug/l	2.9	0.35	1
4-Chloroaniline	ND		ug/l	7.4	1.2	1
2-Nitroaniline	ND		ug/l	7.4	1.4	1
3-Nitroaniline	ND		ug/l	7.4	0.98	1
4-Nitroaniline	ND		ug/l	7.4	1.2	1
Dibenzofuran	ND		ug/l	2.9	0.32	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	15	0.52	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	7.4	0.63	1
2,4,6-Trichlorophenol	ND		ug/l	7.4	1.1	1
P-Chloro-M-Cresol	ND		ug/l	2.9	0.80	1
2-Chlorophenol	ND		ug/l	2.9	0.85	1
2,4-Dichlorophenol	ND		ug/l	7.4	0.83	1
2,4-Dimethylphenol	ND		ug/l	7.4	0.85	1
2-Nitrophenol	ND		ug/l	15	1.5	1
4-Nitrophenol	ND		ug/l	15	1.6	1
2,4-Dinitrophenol	ND		ug/l	29	2.1	1
4,6-Dinitro-o-cresol	ND		ug/l	15	2.0	1
Phenol	ND		ug/l	7.4	0.40	1
2-Methylphenol	ND		ug/l	7.4	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	7.4	1.0	1
2,4,5-Trichlorophenol	ND		ug/l	7.4	1.1	1
Benzoic Acid	ND		ug/l	74	1.5	1
Benzyl Alcohol	ND		ug/l	2.9	1.0	1
Carbazole	ND		ug/l	2.9	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:05		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.29	0.09	1
2-Chloronaphthalene	ND		ug/l	0.29	0.10	1
Fluoranthene	0.88		ug/l	0.29	0.06	1
Hexachlorobutadiene	ND		ug/l	0.74	0.10	1
Naphthalene	ND		ug/l	0.29	0.09	1
Benzo(a)anthracene	0.46		ug/l	0.29	0.08	1
Benzo(a)pyrene	0.43		ug/l	0.29	0.10	1
Benzo(b)fluoranthene	0.64		ug/l	0.29	0.10	1
Benzo(k)fluoranthene	0.27	J	ug/l	0.29	0.10	1
Chrysene	0.50		ug/l	0.29	0.07	1
Acenaphthylene	ND		ug/l	0.29	0.07	1
Anthracene	0.10	J	ug/l	0.29	0.09	1
Benzo(ghi)perylene	0.37		ug/l	0.29	0.10	1
Fluorene	ND		ug/l	0.29	0.08	1
Phenanthrene	0.41		ug/l	0.29	0.09	1
Dibenzo(a,h)anthracene	0.11	J	ug/l	0.29	0.11	1
Indeno(1,2,3-cd)Pyrene	0.31		ug/l	0.29	0.12	1
Pyrene	0.80		ug/l	0.29	0.08	1
2-Methylnaphthalene	ND		ug/l	0.29	0.09	1
Pentachlorophenol	ND		ug/l	1.2	0.28	1
Hexachlorobenzene	ND		ug/l	1.2	0.02	1
Hexachloroethane	ND		ug/l	1.2	0.10	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	60		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 22:17		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	3.7		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	0.99	J	ug/l	5.0	0.27	1
2-Methylphenol	1.5	J	ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	59		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:30		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.08	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.1		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.09	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.06	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.54		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	49		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 22:41		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	2.4	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:55		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.31		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.17	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	67		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 23:07		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	1.1	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	70		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 21:20		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.12	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.24		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	75		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 23:32		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 21:45		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	82		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**19**	Q	21-120
Phenol-d6	13		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	38		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	97		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/15 17:59
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-08 Batch: WG794924-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/15 17:59
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-08 Batch: WG794924-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	95		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Acenaphthene	67		59		37-111	13		30
1,2,4-Trichlorobenzene	47		42		39-98	11		30
Hexachlorobenzene	83		74		40-140	11		30
Bis(2-chloroethyl)ether	54		48		40-140	12		30
2-Chloronaphthalene	63		54		40-140	15		30
1,2-Dichlorobenzene	43		**38**	Q	40-140	12		30
1,3-Dichlorobenzene	**39**	Q	**35**	Q	40-140	11		30
1,4-Dichlorobenzene	40		**35**	Q	36-97	13		30
3,3'-Dichlorobenzidine	94		84		40-140	11		30
2,4-Dinitrotoluene	**105**	Q	89		24-96	16		30
2,6-Dinitrotoluene	94		83		40-140	12		30
Fluoranthene	90		77		40-140	16		30
4-Chlorophenyl phenyl ether	74		66		40-140	11		30
4-Bromophenyl phenyl ether	81		70		40-140	15		30
Bis(2-chloroisopropyl)ether	43		**39**	Q	40-140	10		30
Bis(2-chloroethoxy)methane	61		53		40-140	14		30
Hexachlorobutadiene	44		**39**	Q	40-140	12		30
Hexachlorocyclopentadiene	48		43		40-140	11		30
Hexachloroethane	**35**	Q	**30**	Q	40-140	15		30
Isophorone	64		56		40-140	13		30
Naphthalene	56		51		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Nitrobenzene	62		56		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	82		72		40-140	13		30
n-Nitrosodi-n-propylamine	61		54		29-132	12		30
Bis(2-Ethylhexyl)phthalate	93		81		40-140	14		30
Butyl benzyl phthalate	92		80		40-140	14		30
Di-n-butylphthalate	92		80		40-140	14		30
Di-n-octylphthalate	98		85		40-140	14		30
Diethyl phthalate	84		74		40-140	13		30
Dimethyl phthalate	83		73		40-140	13		30
Benzo(a)anthracene	89		75		40-140	17		30
Benzo(a)pyrene	83		71		40-140	16		30
Benzo(b)fluoranthene	86		71		40-140	19		30
Benzo(k)fluoranthene	83		73		40-140	13		30
Chrysene	87		74		40-140	16		30
Acenaphthylene	72		62		45-123	15		30
Anthracene	86		76		40-140	12		30
Benzo(ghi)perylene	84		70		40-140	18		30
Fluorene	78		68		40-140	14		30
Phenanthrene	82		73		40-140	12		30
Dibenzo(a,h)anthracene	86		72		40-140	18		30
Indeno(1,2,3-cd)Pyrene	86		73		40-140	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Pyrene	89		77		26-127	14		30
Biphenyl	68		60		54-104	13		30
4-Chloroaniline	58		54		40-140	7		30
2-Nitroaniline	92		78		52-143	16		30
3-Nitroaniline	82		72		25-145	13		30
4-Nitroaniline	83		76		51-143	9		30
Dibenzofuran	73		64		40-140	13		30
2-Methylnaphthalene	56		50		40-140	11		30
1,2,4,5-Tetrachlorobenzene	56		50		2-134	11		30
Acetophenone	65		58		39-129	11		30
2,4,6-Trichlorophenol	78		68		30-130	14		30
P-Chloro-M-Cresol	78		66		23-97	17		30
2-Chlorophenol	60		56		27-123	7		30
2,4-Dichlorophenol	75		66		30-130	13		30
2,4-Dimethylphenol	72		63		30-130	13		30
2-Nitrophenol	76		70		30-130	8		30
4-Nitrophenol	42		37		10-80	13		30
2,4-Dinitrophenol	85		63		20-130	30		30
4,6-Dinitro-o-cresol	99		83		20-164	18		30
Pentachlorophenol	74		58		9-103	24		30
Phenol	29		26		12-110	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
2-Methylphenol	58		51		30-130	13		30
3-Methylphenol/4-Methylphenol	57		49		30-130	15		30
2,4,5-Trichlorophenol	84		73		30-130	14		30
Benzoic Acid	17		**3**	Q	10-110	**143**	Q	30
Benzyl Alcohol	54		48		15-110	12		30
Carbazole	86		76		55-144	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		36		21-120
Phenol-d6	28		25		10-120
Nitrobenzene-d5	66		59		23-120
2-Fluorobiphenyl	78		68		15-120
2,4,6-Tribromophenol	85		74		10-120
4-Terphenyl-d14	94		81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 Batch: WG794924-2 WG794924-3								
Acenaphthene	91		101		37-111	10		40
2-Chloronaphthalene	93		102		40-140	9		40
Fluoranthene	110		124		40-140	12		40
Hexachlorobutadiene	62		67		40-140	8		40
Naphthalene	81		87		40-140	7		40
Benzo(a)anthracene	104		117		40-140	12		40
Benzo(a)pyrene	105		119		40-140	13		40
Benzo(b)fluoranthene	104		118		40-140	13		40
Benzo(k)fluoranthene	101		113		40-140	11		40
Chrysene	96		108		40-140	12		40
Acenaphthylene	101		111		40-140	9		40
Anthracene	101		114		40-140	12		40
Benzo(ghi)perylene	110		125		40-140	13		40
Fluorene	96		108		40-140	12		40
Phenanthrene	98		109		40-140	11		40
Dibenzo(a,h)anthracene	114		130		40-140	13		40
Indeno(1,2,3-cd)Pyrene	114		130		40-140	13		40
Pyrene	109		123		26-127	12		40
2-Methylnaphthalene	91		99		40-140	8		40
Pentachlorophenol	79		93		9-103	16		40
Hexachlorobenzene	86		96		40-140	11		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 Batch: WG794924-2 WG794924-3								
Hexachloroethane	63		65		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		53		21-120
Phenol-d6	38		41		10-120
Nitrobenzene-d5	88		96		23-120
2-Fluorobiphenyl	90		100		15-120
2,4,6-Tribromophenol	99		111		10-120
4-Terphenyl-d14	94		105		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Acenaphthene	83		88		31-137	6		50
1,2,4-Trichlorobenzene	77		80		38-107	4		50
Hexachlorobenzene	81		90		40-140	11		50
Bis(2-chloroethyl)ether	83		84		40-140	1		50
2-Chloronaphthalene	85		88		40-140	3		50
1,2-Dichlorobenzene	77		76		40-140	1		50
1,3-Dichlorobenzene	73		73		40-140	0		50
1,4-Dichlorobenzene	75		75		28-104	0		50
3,3'-Dichlorobenzidine	76		81		40-140	6		50
2,4-Dinitrotoluene	84		**91**	Q	28-89	8		50
2,6-Dinitrotoluene	85		93		40-140	9		50
Fluoranthene	84		89		40-140	6		50
4-Chlorophenyl phenyl ether	83		88		40-140	6		50
4-Bromophenyl phenyl ether	83		93		40-140	11		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	86		90		40-117	5		50
Hexachlorobutadiene	80		79		40-140	1		50
Hexachlorocyclopentadiene	63		68		40-140	8		50
Hexachloroethane	77		78		40-140	1		50
Isophorone	87		91		40-140	4		50
Naphthalene	79		81		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Nitrobenzene	84		85		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		94		36-157	8		50
n-Nitrosodi-n-propylamine	88		91		32-121	3		50
Bis(2-Ethylhexyl)phthalate	92		98		40-140	6		50
Butyl benzyl phthalate	90		91		40-140	1		50
Di-n-butylphthalate	88		94		40-140	7		50
Di-n-octylphthalate	92		98		40-140	6		50
Diethyl phthalate	86		92		40-140	7		50
Dimethyl phthalate	87		96		40-140	10		50
Benzo(a)anthracene	85		90		40-140	6		50
Benzo(a)pyrene	82		88		40-140	7		50
Benzo(b)fluoranthene	81		85		40-140	5		50
Benzo(k)fluoranthene	82		90		40-140	9		50
Chrysene	83		89		40-140	7		50
Acenaphthylene	84		89		40-140	6		50
Anthracene	86		92		40-140	7		50
Benzo(ghi)perylene	77		83		40-140	8		50
Fluorene	84		90		40-140	7		50
Phenanthrene	84		89		40-140	6		50
Dibenzo(a,h)anthracene	77		87		40-140	12		50
Indeno(1,2,3-cd)Pyrene	76		85		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Pyrene	85		91		35-142	7		50
Biphenyl	91		98		54-104	7		50
4-Chloroaniline	92		100		40-140	8		50
2-Nitroaniline	85		94		47-134	10		50
3-Nitroaniline	77		80		26-129	4		50
4-Nitroaniline	82		87		41-125	6		50
Dibenzofuran	84		88		40-140	5		50
2-Methylnaphthalene	83		85		40-140	2		50
1,2,4,5-Tetrachlorobenzene	87		91		40-117	4		50
Acetophenone	81		84		14-144	4		50
2,4,6-Trichlorophenol	81		89		30-130	9		50
P-Chloro-M-Cresol	84		91		26-103	8		50
2-Chlorophenol	80		83		25-102	4		50
2,4-Dichlorophenol	83		88		30-130	6		50
2,4-Dimethylphenol	92		97		30-130	5		50
2-Nitrophenol	82		85		30-130	4		50
4-Nitrophenol	88		97		11-114	10		50
2,4-Dinitrophenol	57		67		4-130	16		50
4,6-Dinitro-o-cresol	75		88		10-130	16		50
Pentachlorophenol	64		72		17-109	12		50
Phenol	82		84		26-90	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
2-Methylphenol	86		89		30-130.	3		50
3-Methylphenol/4-Methylphenol	93		98		30-130	5		50
2,4,5-Trichlorophenol	85		86		30-130	1		50
Benzoic Acid	31		36		10-66	15		50
Benzyl Alcohol	87		93		40-140	7		50
Carbazole	84		90		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		81		25-120
Phenol-d6	87		88		10-120
Nitrobenzene-d5	87		87		23-120
2-Fluorobiphenyl	85		86		30-120
2,4,6-Tribromophenol	79		82		10-136
4-Terphenyl-d14	84		91		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Acenaphthene	ND	40	22	55		30	75		37-111	**31**	Q	30
1,2,4-Trichlorobenzene	ND	40	14	**35**	Q	24	60		39-98	**53**	Q	30
Hexachlorobenzene	ND	40	24	60		34	85		40-140	**34**	Q	30
Bis(2-chloroethyl)ether	ND	40	15	**38**	Q	24	60		40-140	**46**	Q	30
2-Chloronaphthalene	ND	40	20	50		30	75		40-140	**40**	Q	30
1,2-Dichlorobenzene	ND	40	11	**28**	Q	21	53		40-140	**63**	Q	30
1,3-Dichlorobenzene	ND	40	9.5	**24**	Q	19	48		40-140	**67**	Q	30
1,4-Dichlorobenzene	ND	40	10	**25**	Q	20	50		36-97	**67**	Q	30
3,3'-Dichlorobenzidine	ND	40	15	**38**	Q	19	48		40-140	24		30
2,4-Dinitrotoluene	ND	40	29	73		41	**100**	Q	24-96	**34**	Q	30
2,6-Dinitrotoluene	ND	40	27	68		37	93		40-140	**31**	Q	30
Fluoranthene	ND	40	25	63		34	85		40-140	**31**	Q	30
4-Chlorophenyl phenyl ether	ND	40	23	58		32	80		40-140	**33**	Q	30
4-Bromophenyl phenyl ether	ND	40	24	60		33	83		40-140	**32**	Q	30
Bis(2-chloroisopropyl)ether	ND	40	13	**33**	Q	20	50		40-140	**42**	Q	30
Bis(2-chloroethoxy)methane	ND	40	17	43		26	65		40-140	**42**	Q	30
Hexachlorobutadiene	ND	40	12	**30**	Q	22	55		40-140	**59**	Q	30
Hexachlorocyclopentadiene	ND	40	20	50		30	75		40-140	**40**	Q	30
Hexachloroethane	ND	40	8.4	**21**	Q	17	43		40-140	**68**	Q	30
Isophorone	ND	40	18	45		27	68		40-140	**40**	Q	30
Naphthalene	ND	40	17	43		27	68		40-140	**45**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Nitrobenzene	ND	40	18	45		28	70		40-140	**43**	Q	30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	24	60		32	80		40-140	29		30
n-Nitrosodi-n-propylamine	ND	40	19	48		28	70		29-132	**38**	Q	30
Bis(2-Ethylhexyl)phthalate	2.4J	40	27	68		42	110		40-140	**43**	Q	30
Butyl benzyl phthalate	ND	40	26	65		36	90		40-140	**32**	Q	30
Di-n-butylphthalate	ND	40	26	65		36	90		40-140	**32**	Q	30
Di-n-octylphthalate	ND	40	28	70		39	98		40-140	**33**	Q	30
Diethyl phthalate	ND	40	25	63		34	85		40-140	**31**	Q	30
Dimethyl phthalate	ND	40	24	60		34	85		40-140	**34**	Q	30
Benzo(a)anthracene	ND	40	24	60		34	85		40-140	**34**	Q	30
Benzo(a)pyrene	ND	40	23	58		31	78		40-140	30		30
Benzo(b)fluoranthene	ND	40	24	60		33	83		40-140	**32**	Q	30
Benzo(k)fluoranthene	ND	40	23	58		31	78		40-140	30		30
Chrysene	ND	40	24	60		34	85		40-140	**34**	Q	30
Acenaphthylene	ND	40	22	55		31	78		45-123	**34**	Q	30
Anthracene	ND	40	24	60		32	80		40-140	29		30
Benzo(ghi)perylene	ND	40	24	60		32	80		40-140	29		30
Fluorene	ND	40	24	60		33	83		40-140	**32**	Q	30
Phenanthrene	ND	40	24	60		33	83		40-140	**32**	Q	30
Dibenzo(a,h)anthracene	ND	40	24	60		33	83		40-140	**32**	Q	30
Indeno(1,2,3-cd)Pyrene	ND	40	24	60		33	83		40-140	**32**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Pyrene	ND	40	25	63		34	85		26-127	**31**	Q	30
Biphenyl	ND	40	24	60		33	83		54-104	**32**	Q	30
4-Chloroaniline	ND	40	16	40		20	50		40-140	22		30
2-Nitroaniline	ND	40	26	65		36	90		52-143	**32**	Q	30
3-Nitroaniline	ND	40	25	63		31	78		25-145	21		30
4-Nitroaniline	ND	40	23	58		29	73		51-143	23		30
Dibenzofuran	ND	40	24	60		33	83		40-140	**32**	Q	30
2-Methylnaphthalene	ND	40	19	48		28	70		40-140	**38**	Q	30
1,2,4,5-Tetrachlorobenzene	ND	40	21	53		30	75		2-134	**35**	Q	30
Acetophenone	ND	40	18	45		29	73		39-129	**47**	Q	30
2,4,6-Trichlorophenol	ND	40	22	55		32	80		30-130	**37**	Q	30
P-Chloro-M-Cresol	ND	40	22	55		31	78		23-97	**34**	Q	30
2-Chlorophenol	ND	40	18	45		26	65		27-123	**36**	Q	30
2,4-Dichlorophenol	ND	40	22	55		32	80		30-130	**37**	Q	30
2,4-Dimethylphenol	ND	40	11	**28**	Q	15	38		30-130	**31**	Q	30
2-Nitrophenol	ND	40	22	55		33	83		30-130	**40**	Q	30
4-Nitrophenol	ND	40	13	33		18	45		10-80	**32**	Q	30
2,4-Dinitrophenol	ND	40	28	70		37	93		20-130	28		30
4,6-Dinitro-o-cresol	ND	40	28	70		38	95		20-164	30		30
Pentachlorophenol	ND	40	23	58		32	80		9-103	**33**	Q	30
Phenol	ND	40	8.5	21		12	30		12-110	**34**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
2-Methylphenol	ND	40	16	40		22	55		30-130	**32**	Q	30
3-Methylphenol/4-Methylphenol	ND	40	16	40		22	55		30-130	**32**	Q	30
2,4,5-Trichlorophenol	ND	40	24	60		34	85		30-130	**34**	Q	30
Benzoic Acid	ND	40	8.8J	22		10.J	25		10-110	13		30
Benzyl Alcohol	ND	40	16	40		24	60		15-110	**40**	Q	30
Carbazole	ND	40	24	60		33	83		55-144	**32**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	58		81		10-120
2-Fluorobiphenyl	56		80		15-120
2-Fluorophenol	27		40		21-120
4-Terphenyl-d14	58		82		41-149
Nitrobenzene-d5	47		71		23-120
Phenol-d6	21		29		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794924-4 WG794924-5 QC Sample: L1513391-06 Client ID: MW-9												
Acenaphthene	ND	40	33	83		45	110		37-111	31		40
2-Chloronaphthalene	ND	40	34	85		46	120		40-140	30		40
Fluoranthene	ND	40	39	98		52	130		40-140	29		40
Hexachlorobutadiene	ND	40	22	55		29	73		40-140	27		40
Naphthalene	0.31	40	27	67		40	99		40-140	39		40
Benzo(a)anthracene	ND	40	37	93		49	120		40-140	28		40
Benzo(a)pyrene	ND	40	37	93		49	120		40-140	28		40
Benzo(b)fluoranthene	ND	40	38	95		47	120		40-140	21		40
Benzo(k)fluoranthene	ND	40	35	88		48	120		40-140	31		40
Chrysene	ND	40	34	85		45	110		40-140	28		40
Acenaphthylene	ND	40	36	90		47	120		40-140	27		40
Anthracene	ND	40	36	90		46	120		40-140	24		40
Benzo(ghi)perylene	ND	40	39	98		51	130		40-140	27		40
Fluorene	ND	40	35	88		47	120		40-140	29		40
Phenanthrene	ND	40	36	90		47	120		40-140	27		40
Dibenzo(a,h)anthracene	ND	40	40	100		53	130		40-140	28		40
Indeno(1,2,3-cd)Pyrene	ND	40	40	100		53	130		40-140	28		40
Pyrene	ND	40	39	98		52	**130**	Q	26-127	29		40
2-Methylnaphthalene	0.17J	40	31	78		44	110		40-140	35		40
Pentachlorophenol	ND	40	34	85		46	**120**	Q	9-103	30		40
Hexachlorobenzene	ND	40	32	80		43	110		40-140	29		40

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794924-4 WG794924-5 QC Sample: L1513391-06 Client ID: MW-9												
Hexachloroethane	ND	40	14	**35**	Q	27	68		40-140	**63**	Q	40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	77		102		10-120
2-Fluorobiphenyl	85		114		15-120
2-Fluorophenol	43		61		21-120
4-Terphenyl-d14	75		99		41-149
Nitrobenzene-d5	76		110		23-120
Phenol-d6	34		44		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Acenaphthene	ND	1590	1400	88		1200	75		31-137	15		50
1,2,4-Trichlorobenzene	ND	1590	1300	82		1100	69		38-107	17		50
Hexachlorobenzene	ND	1590	1300	82		1100	69		40-140	17		50
Bis(2-chloroethyl)ether	ND	1590	1300	82		1100	69		40-140	17		50
2-Chloronaphthalene	ND	1590	1400	88		1200	75		40-140	15		50
1,2-Dichlorobenzene	ND	1590	1200	75		1000	63		40-140	18		50
1,3-Dichlorobenzene	ND	1590	1200	75		1000	63		40-140	18		50
1,4-Dichlorobenzene	ND	1590	1200	75		1000	63		28-104	18		50
3,3'-Dichlorobenzidine	ND	1590	1100	69		960	60		40-140	14		50
2,4-Dinitrotoluene	ND	1590	1400	88		1100	69		28-89	24		50
2,6-Dinitrotoluene	ND	1590	1400	88		1200	75		40-140	15		50
Fluoranthene	ND	1590	1400	88		1200	75		40-140	15		50
4-Chlorophenyl phenyl ether	ND	1590	1400	88		1200	75		40-140	15		50
4-Bromophenyl phenyl ether	ND	1590	1400	88		1100	69		40-140	24		50
Bis(2-chloroisopropyl)ether	ND	1590	1400	88		1200	75		40-140	15		50
Bis(2-chloroethoxy)methane	ND	1590	1400	88		1200	75		40-117	15		50
Hexachlorobutadiene	ND	1590	1300	82		1100	69		40-140	17		50
Hexachlorocyclopentadiene	ND	1590	1000	63		870	55		40-140	14		50
Hexachloroethane	ND	1590	1200	75		1100	69		40-140	9		50
Isophorone	ND	1590	1400	88		1200	75		40-140	15		50
Naphthalene	ND	1590	1300	82		1100	69		40-140	17		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Nitrobenzene	ND	1590	1400	88		1200	75		40-140	15		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1590	1400	88		1200	75		36-157	15		50
n-Nitrosodi-n-propylamine	ND	1590	1400	88		1200	75		32-121	15		50
Bis(2-Ethylhexyl)phthalate	ND	1590	1500	94		1200	75		40-140	22		50
Butyl benzyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Di-n-butylphthalate	ND	1590	1400	88		1200	75		40-140	15		50
Di-n-octylphthalate	ND	1590	1500	94		1200	75		40-140	22		50
Diethyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Dimethyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Benzo(a)anthracene	ND	1590	1400	88		1100	69		40-140	24		50
Benzo(a)pyrene	ND	1590	1300	82		1100	69		40-140	17		50
Benzo(b)fluoranthene	ND	1590	1300	82		1100	69		40-140	17		50
Benzo(k)fluoranthene	ND	1590	1400	88		1100	69		40-140	24		50
Chrysene	ND	1590	1300	82		1200	75		40-140	8		50
Acenaphthylene	ND	1590	1400	88		1200	75		40-140	15		50
Anthracene	ND	1590	1400	88		1200	75		40-140	15		50
Benzo(ghi)perylene	ND	1590	1200	75		1000	63		40-140	18		50
Fluorene	ND	1590	1400	88		1200	75		40-140	15		50
Phenanthrene	ND	1590	1400	88		1200	75		40-140	15		50
Dibenzo(a,h)anthracene	ND	1590	1200	75		1000	63		40-140	18		50
Indeno(1,2,3-cd)Pyrene	ND	1590	1200	75		1000	63		40-140	18		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Pyrene	ND	1590	1400	88		1200	75		35-142	15		50
Biphenyl	ND	1590	1500	94		1200	75		54-104	22		50
4-Chloroaniline	ND	1590	1500	94		1300	82		40-140	14		50
2-Nitroaniline	ND	1590	1400	88		1200	75		47-134	15		50
3-Nitroaniline	ND	1590	1200	75		1000	63		26-129	18		50
4-Nitroaniline	ND	1590	1300	82		1100	69		41-125	17		50
Dibenzofuran	ND	1590	1400	88		1200	75		40-140	15		50
2-Methylnaphthalene	ND	1590	1400	88		1100	69		40-140	24		50
1,2,4,5-Tetrachlorobenzene	ND	1590	1400	88		1200	75		40-117	15		50
Acetophenone	ND	1590	1300	82		1100	69		14-144	17		50
2,4,6-Trichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
P-Chloro-M-Cresol	ND	1590	1400	88		1200	75		26-103	15		50
2-Chlorophenol	ND	1590	1300	82		1100	69		25-102	17		50
2,4-Dichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
2,4-Dimethylphenol	ND	1590	1500	94		1200	75		30-130	22		50
2-Nitrophenol	ND	1590	1300	82		1100	69		30-130	17		50
4-Nitrophenol	ND	1590	1500	94		1100	69		11-114	31		50
2,4-Dinitrophenol	ND	1590	320J	20		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1590	900	57		630	40		10-130	35		50
Pentachlorophenol	ND	1590	1100	69		810	51		17-109	30		50
Phenol	ND	1590	1300	82		1100	69		26-90	17		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
2-Methylphenol	ND	1590	1400	88		1200	75		30-130.	15		50
3-Methylphenol/4-Methylphenol	ND	1590	1500	94		1200	75		30-130	22		50
2,4,5-Trichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
Benzoic Acid	ND	1590	ND	**0**	Q	ND	**0**	Q	10-66	NC		50
Benzyl Alcohol	ND	1590	1400	88		1200	75		40-140	15		50
Carbazole	ND	1590	1400	88		1200	75		54-128	15		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	81		68		10-136
2-Fluorobiphenyl	87		73		30-120
2-Fluorophenol	80		67		25-120
4-Terphenyl-d14	81		72		18-120
Nitrobenzene-d5	87		76		23-120
Phenol-d6	84		72		10-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:10	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.12	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.83	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:22	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	2.96	1	A
Aroclor 1221	ND		ug/kg	37.4	3.45	1	A
Aroclor 1232	ND		ug/kg	37.4	4.39	1	A
Aroclor 1242	ND		ug/kg	37.4	4.58	1	A
Aroclor 1248	ND		ug/kg	37.4	3.16	1	A
Aroclor 1254	ND		ug/kg	37.4	3.08	1	A
Aroclor 1260	ND		ug/kg	37.4	2.85	1	A
Aroclor 1262	ND		ug/kg	37.4	1.86	1	A
Aroclor 1268	ND		ug/kg	37.4	5.43	1	A
PCBs, Total	ND		ug/kg	37.4	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:35	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.99	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.63	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.11	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.88	1	A
Aroclor 1268	ND		ug/kg	37.8	5.48	1	A
PCBs, Total	ND		ug/kg	37.8	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:04	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:16	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:29	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	34		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:41	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:54	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	41		30-150	A

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513391

Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/15 01:52
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/18/15 15:43
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG794981-1						
Aroclor 1016	ND		ug/kg	33.0	2.60	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.86	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A
PCBs, Total	ND		ug/kg	33.0	1.64	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513391

Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/15 17:37
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 20:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-08 Batch: WG795064-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	66		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794981-4 WG794981-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)													
Aroclor 1016	ND	247	190	77		206	85		40-140	8		50	A
Aroclor 1260	ND	247	192	78		198	82		40-140	3		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		88		30-150	A
Decachlorobiphenyl	95		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		81		30-150	B
Decachlorobiphenyl	120		114		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795064-4 WG795064-5 QC Sample: L1513391-06 Client ID: MW-9													
Aroclor 1016	ND	2.6	2.21	85		2.15	83		40-140	3		50	A
Aroclor 1260	ND	2.6	1.69	65		1.66	64		40-140	2		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	B
Decachlorobiphenyl	31		32		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	40		42		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG794981-2 WG794981-3									
Aroclor 1016	93		94		40-140	1		50	A
Aroclor 1260	83		84		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		92		30-150	A
Decachlorobiphenyl	102		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		94		30-150	B
Decachlorobiphenyl	111		113		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795064-2 WG795064-3									
Aroclor 1016	90		89		40-140	0		50	A
Aroclor 1260	92		85		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		70		30-150	B
Decachlorobiphenyl	72		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	A
Decachlorobiphenyl	91		84		30-150	A

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 15:57	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.371	1	A
Lindane	ND		ug/kg	0.789	0.352	1	A
Alpha-BHC	ND		ug/kg	0.789	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.718	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.789	0.323	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.438	1	A
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.789	0.375	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.94	1	A
cis-Chlordane	ND		ug/kg	2.36	0.659	1	A
trans-Chlordane	ND		ug/kg	2.36	0.625	1	A
Chlordane	ND		ug/kg	15.4	6.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 16:23	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.407	1	A
Aldrin	ND		ug/kg	1.81	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.420	1	A
4,4'-DDD	ND		ug/kg	1.81	0.647	1	A
4,4'-DDT	3.96		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.429	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.7	6.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 16:36	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 18:34	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	0.018	J	ug/l	0.040	0.004	1	B
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 18:47	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:00	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:13	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	0.012	J	ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:26	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/22/15 14:51
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 06/18/15 22:38
Cleanup Method: EPA 3620B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG795093-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.981	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/22/15 17:28
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 06/19/15 05:45
Cleanup Method: EPA 3620B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-08 Batch: WG795172-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795093-2 WG795093-3									
Delta-BHC	41		72		30-150	**55**	Q	30	A
Lindane	47		79		30-150	**51**	Q	30	A
Alpha-BHC	50		84		30-150	**51**	Q	30	A
Beta-BHC	48		74		30-150	**43**	Q	30	A
Heptachlor	49		76		30-150	**43**	Q	30	A
Aldrin	48		79		30-150	**49**	Q	30	A
Heptachlor epoxide	48		75		30-150	**44**	Q	30	A
Endrin	48		80		30-150	**50**	Q	30	A
Endrin ketone	39		61		30-150	**44**	Q	30	A
Dieldrin	50		80		30-150	**46**	Q	30	A
4,4'-DDE	48		74		30-150	**43**	Q	30	A
4,4'-DDD	50		88		30-150	**55**	Q	30	A
4,4'-DDT	51		90		30-150	**55**	Q	30	A
Endosulfan I	44		68		30-150	**43**	Q	30	A
Endosulfan II	50		67		30-150	29		30	A
Endosulfan sulfate	36		55		30-150	**42**	Q	30	A
Methoxychlor	49		84		30-150	**53**	Q	30	A
cis-Chlordane	45		73		30-150	**47**	Q	30	A
trans-Chlordane	48		74		30-150	**43**	Q	30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795093-2 WG795093-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		64		30-150	B
Decachlorobiphenyl	49		68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		74		30-150	A
Decachlorobiphenyl	35		60		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795172-2 WG795172-3									
Delta-BHC	67		71		30-150	5		20	A
Lindane	87		89		30-150	2		20	A
Alpha-BHC	95		95		30-150	1		20	A
Beta-BHC	81		82		30-150	1		20	A
Heptachlor	80		83		30-150	4		20	A
Aldrin	75		82		30-150	9		20	A
Heptachlor epoxide	87		90		30-150	4		20	A
Endrin	88		91		30-150	3		20	A
Endrin ketone	52		59		30-150	13		20	A
Dieldrin	89		95		30-150	6		20	A
4,4'-DDE	85		85		30-150	0		20	A
4,4'-DDD	95		100		30-150	6		20	A
4,4'-DDT	93		98		30-150	6		20	A
Endosulfan I	84		88		30-150	4		20	A
Endosulfan II	73		79		30-150	7		20	A
Endosulfan sulfate	44		52		30-150	18		20	A
Methoxychlor	73		81		30-150	11		20	A
cis-Chlordane	84		86		30-150	2		20	A
trans-Chlordane	84		86		30-150	3		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795172-2 WG795172-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		66		30-150	A
Decachlorobiphenyl	68		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		68		30-150	B
Decachlorobiphenyl	78		75		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795093-4 WG795093-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)													
Delta-BHC	ND	37.8	22.9	61		18.7	47		30-150	20		50	A
Lindane	ND	37.8	25.2	67		20.4	52		30-150	21		50	A
Alpha-BHC	ND	37.8	27.2	72		21.9	55		30-150	22		50	A
Beta-BHC	ND	37.8	25.3	67		21.7	55		30-150	15		50	A
Heptachlor	ND	37.8	24.0	64		19.4	49		30-150	21		50	A
Aldrin	ND	37.8	25.1	66		20.1	51		30-150	22		50	A
Heptachlor epoxide	ND	37.8	24.2	64		19.8	50		30-150	20		50	A
Endrin	ND	37.8	25.6	68		20.6	52		30-150	22		50	A
Endrin ketone	ND	37.8	20.6	55		16.5	42		30-150	22		50	A
Dieldrin	ND	37.8	26.5	70		21.9	55		30-150	19		50	A
4,4'-DDE	ND	37.8	24.0	64		19.4	49		30-150	21		50	A
4,4'-DDD	ND	37.8	27.8	74		22.8	58		30-150	20		50	A
4,4'-DDT	ND	37.8	28.8	76		24.4	62		30-150	17		50	A
Endosulfan I	ND	37.8	22.0	58		17.7	45		30-150	22		50	A
Endosulfan II	ND	37.8	22.6	60		18.5	47		30-150	20		50	A
Endosulfan sulfate	ND	37.8	17.7	47		14.7	37		30-150	19		50	A
Methoxychlor	ND	37.8	27.8	74		22.6	57		30-150	21		50	A
cis-Chlordane	ND	37.8	23.5	62		19.2	48		30-150	20		50	A
trans-Chlordane	ND	37.8	23.9	63		19.4	49		30-150	21		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795093-4 WG795093-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		44		30-150	B
Decachlorobiphenyl	64		49		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		52		30-150	A
Decachlorobiphenyl	50		44		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795172-4 WG795172-5 QC Sample: L1513391-06 Client ID: MW-9													
Delta-BHC	ND	0.5	0.390	78		0.380	76		30-150	3		30	A
Lindane	ND	0.5	0.471	94		0.464	93		30-150	1		30	A
Alpha-BHC	ND	0.5	0.501	100		0.494	99		30-150	1		30	A
Beta-BHC	ND	0.5	0.424	85		0.420	84		30-150	1		30	A
Heptachlor	ND	0.5	0.464	93		0.455	91		30-150	2		30	A
Aldrin	ND	0.5	0.437	87		0.420	84		30-150	4		30	A
Heptachlor epoxide	ND	0.5	0.472	94		0.457	91		30-150	3		30	A
Endrin	ND	0.5	0.480	96		0.469	94		30-150	2		30	A
Endrin ketone	ND	0.5	0.322	64		0.302	60		30-150	6		30	A
Dieldrin	ND	0.5	0.491	98		0.476	95		30-150	3		30	A
4,4'-DDE	ND	0.5	0.360	72		0.317	63		30-150	13		30	A
4,4'-DDD	ND	0.5	0.483	97		0.467	93		30-150	3		30	A
4,4'-DDT	ND	0.5	0.408	82		0.367	73		30-150	11		30	A
Endosulfan I	ND	0.5	0.467	93		0.456	91		30-150	2		30	A
Endosulfan II	ND	0.5	0.419	84		0.405	81		30-150	3		30	A
Endosulfan sulfate	ND	0.5	0.287	57		0.263	53		30-150	9		30	A
Methoxychlor	ND	0.5	0.416	83		0.391	78		30-150	6		30	A
cis-Chlordane	ND	0.5	0.430	86		0.418	84		30-150	3		30	A
trans-Chlordane	ND	0.5	0.444	89		0.428	86		30-150	4		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795172-4 WG795172-5 QC Sample: L1513391-06 Client ID: MW-9												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		79		30-150	A
Decachlorobiphenyl	36		33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	B
Decachlorobiphenyl	33		**29**	Q	30-150	B

METALS

Project Name: LIGHTHOUSE POINT
Lab Number: L1513391
Project Number: 1637.0001Y003
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01
Client ID: SB-9 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 83%

Date Collected: 06/15/15 10:05
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	9.4	1.9	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Arsenic, Total	1.6		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Barium, Total	67		mg/kg	0.94	0.28	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Beryllium, Total	0.55		mg/kg	0.47	0.09	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Calcium, Total	25000		mg/kg	9.4	2.8	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Cobalt, Total	6.8		mg/kg	1.9	0.47	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Copper, Total	37		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.7	1.9	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Lead, Total	11		mg/kg	4.7	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Magnesium, Total	6200		mg/kg	9.4	0.94	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Manganese, Total	640		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:52	EPA 7471B	1,7471B	MC
Nickel, Total	41		mg/kg	2.4	0.38	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Potassium, Total	1500		mg/kg	240	38.	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Sodium, Total	160	J	mg/kg	190	28.	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.94	0.09	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Zinc, Total	44		mg/kg	4.7	0.66	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02
Client ID: DUP061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/15/15 12:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	9.3	1.9	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.74	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Arsenic, Total	2.6		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Barium, Total	54		mg/kg	0.93	0.28	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.55		mg/kg	0.46	0.09	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.93	0.07	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Calcium, Total	1600		mg/kg	9.3	2.8	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Chromium, Total	47		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Cobalt, Total	9.1		mg/kg	1.9	0.46	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Copper, Total	47		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Iron, Total	22000		mg/kg	4.6	1.9	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Lead, Total	14		mg/kg	4.6	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Magnesium, Total	4900		mg/kg	9.3	0.93	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Manganese, Total	450		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:58	EPA 7471B	1,7471B	MC
Nickel, Total	100		mg/kg	2.3	0.37	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Potassium, Total	2100		mg/kg	230	37.	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Sodium, Total	400		mg/kg	190	28.	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.37	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Vanadium, Total	26		mg/kg	0.93	0.09	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Zinc, Total	33		mg/kg	4.6	0.65	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9400		mg/kg	9.3	1.9	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Arsenic, Total	6.3		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Barium, Total	49		mg/kg	0.93	0.28	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Beryllium, Total	0.47		mg/kg	0.47	0.09	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.93	0.07	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Calcium, Total	1200		mg/kg	9.3	2.8	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Chromium, Total	23		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Cobalt, Total	8.2		mg/kg	1.9	0.47	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Copper, Total	30		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Iron, Total	20000		mg/kg	4.7	1.9	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Lead, Total	37		mg/kg	4.7	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Magnesium, Total	4100		mg/kg	9.3	0.93	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Manganese, Total	400		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Mercury, Total	0.09		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 15:00	EPA 7471B	1,7471B	MC
Nickel, Total	56		mg/kg	2.3	0.37	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Potassium, Total	950		mg/kg	230	37.	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Sodium, Total	200		mg/kg	190	28.	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.37	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Vanadium, Total	25		mg/kg	0.93	0.09	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Zinc, Total	48		mg/kg	4.7	0.65	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	117		mg/l	10.0	1.69	1000	06/18/15 22:16	06/20/15 12:21	EPA 3005A	1,6020A	KL
Antimony, Total	0.0004	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0363		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Barium, Total	2.861		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0142		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0034		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Calcium, Total	172		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Chromium, Total	0.1637		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Cobalt, Total	0.1779		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Copper, Total	0.9398		mg/l	0.0200	0.0052	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Iron, Total	164		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Lead, Total	0.6002		mg/l	0.0200	0.0026	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Magnesium, Total	247		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Manganese, Total	14.24		mg/l	1.000	0.3020	1000	06/18/15 22:16	06/20/15 12:21	EPA 3005A	1,6020A	KL
Mercury, Total	0.00064		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:41	EPA 7470A	1,7470A	EA
Nickel, Total	2.364		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Potassium, Total	13.2		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Selenium, Total	0.077		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Silver, Total	0.0027		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Sodium, Total	394		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Thallium, Total	0.0008		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Vanadium, Total	0.1293		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Zinc, Total	0.8931		mg/l	0.2000	0.0512	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	102		mg/l	10.0	1.69	1000	06/18/15 22:16	06/20/15 12:25	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0568		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Barium, Total	7.398		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0122		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0036		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Calcium, Total	189		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Chromium, Total	0.8736		mg/l	0.0200	0.0051	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Cobalt, Total	0.3299		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Copper, Total	1.262		mg/l	0.0200	0.0052	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Iron, Total	223		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Lead, Total	0.4176		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Magnesium, Total	500		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Manganese, Total	19.11		mg/l	1.000	0.3020	1000	06/18/15 22:16	06/20/15 12:25	EPA 3005A	1,6020A	KL
Mercury, Total	0.00053		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:47	EPA 7470A	1,7470A	EA
Nickel, Total	7.463		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Potassium, Total	21.3		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Selenium, Total	0.074		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Silver, Total	0.0012		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Sodium, Total	198		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Thallium, Total	0.0013		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Vanadium, Total	0.1506		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Zinc, Total	0.8719		mg/l	0.2000	0.0512	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	25.0		mg/l	2.00	0.338	200	06/18/15 22:16	06/20/15 13:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0170		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Barium, Total	0.4977		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0020		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0004		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Calcium, Total	30.9		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Chromium, Total	0.1302		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0650		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Copper, Total	0.1548		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Iron, Total	63.6		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Lead, Total	0.0902		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Magnesium, Total	46.0		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Manganese, Total	1.921		mg/l	0.0200	0.0060	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Mercury, Total	0.00009	J	mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:36	EPA 7470A	1,7470A	EA
Nickel, Total	0.5952		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Potassium, Total	12.2		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Selenium, Total	0.024		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Silver, Total	0.0002	J	mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Sodium, Total	20.9		mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Thallium, Total	0.00047	J	mg/l	0.00050	0.00006	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0811		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Zinc, Total	0.1461		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	35.4		mg/l	2.00	0.338	200	06/18/15 22:16	06/20/15 12:28	EPA 3005A	1,6020A	KL
Antimony, Total	0.0004	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0159		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Barium, Total	0.3216		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0024		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0004		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Calcium, Total	81.4		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Chromium, Total	0.0496		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0314		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Copper, Total	0.0894		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Iron, Total	60.2		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Lead, Total	0.0614		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Magnesium, Total	127		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Manganese, Total	2.158		mg/l	0.0200	0.0060	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Mercury, Total	0.00014	J	mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.2191		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Potassium, Total	9.38		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Selenium, Total	0.017		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Silver, Total	0.0004		mg/l	0.0003	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Sodium, Total	317		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Thallium, Total	0.0002		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0676		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Zinc, Total	0.1484		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL

Project Name: LIGHTHOUSE POINT
Lab Number: L1513391
Project Number: 1637.0001Y003
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08
Client ID: FIELD BLANK 061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 15:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	0.002	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Chromium, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:50	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Sodium, Total	0.022	J	mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG794304-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:09	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-08 Batch: WG794439-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:32	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-08 Batch: WG795004-7										
Aluminum, Total	ND		mg/l	0.010	0.002	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Chromium, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Nickel, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Sodium, Total	ND		mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG795168-1										
Aluminum, Total	2.1	J	mg/kg	4.0	0.80	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/19/15 06:05	06/22/15 12:44	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Calcium, Total	1.3	J	mg/kg	4.0	1.2	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/22/15 12:44	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Thallium, Total	0.18	J	mg/kg	0.80	0.16	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG794304-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG794439-2								
Mercury, Total	114		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG795004-8					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	95	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	88	-	80-120	-	
Chromium, Total	93	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	96	-	80-120	-	
Manganese, Total	91	-	80-120	-	
Nickel, Total	93	-	80-120	-	
Potassium, Total	91	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	88	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	93	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG795004-8					
Zinc, Total	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG795168-2 SRM Lot Number: D088-540					
Aluminum, Total	92	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	105	-	83-117	-	
Beryllium, Total	106	-	83-117	-	
Cadmium, Total	104	-	83-117	-	
Calcium, Total	98	-	81-119	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	102	-	84-115	-	
Copper, Total	106	-	81-118	-	
Iron, Total	116	-	45-155	-	
Lead, Total	98	-	81-117	-	
Magnesium, Total	94	-	76-124	-	
Manganese, Total	103	-	81-118	-	
Nickel, Total	102	-	83-117	-	
Potassium, Total	100	-	71-129	-	
Selenium, Total	108	-	78-122	-	
Silver, Total	105	-	75-124	-	
Sodium, Total	101	-	72-127	-	
Thallium, Total	110	-	80-120	-	
Vanadium, Total	107	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG795168-2 SRM Lot Number: D088-540					
Zinc, Total	101	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794304-3 WG794304-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Mercury, Total	ND	0.161	0.24	**149**	Q	0.23	**152**	Q	80-120	4		20
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794439-3 WG794439-4 QC Sample: L1513391-06 Client ID: MW-9												
Mercury, Total	0.00009J	0.005	0.00501	100		0.00517	104		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795004-9 WG795004-10 QC Sample: L1513391-06 Client ID: MW-9											
Aluminum, Total	25.0	2	26.6	80		28.6	**180**	Q	75-125	7	20
Antimony, Total	0.0002J	0.5	0.2691	**54**	Q	0.2751	**55**	Q	75-125	2	20
Arsenic, Total	0.0170	0.12	0.1346	98		0.1386	101		75-125	3	20
Barium, Total	0.4977	2	2.473	99		2.611	106		75-125	5	20
Beryllium, Total	0.0020	0.05	0.0506	97		0.0517	99		75-125	2	20
Cadmium, Total	0.0004	0.051	0.0573	112		0.0603	117		75-125	5	20
Calcium, Total	30.9	10	39.6	87		43.4	125		75-125	9	20
Chromium, Total	0.1302	0.2	0.3147	92		0.3455	108		75-125	9	20
Cobalt, Total	0.0650	0.5	0.5910	105		0.5989	107		75-125	1	20
Copper, Total	0.1548	0.25	0.4195	106		0.4457	116		75-125	6	20
Iron, Total	63.6	1	57.1	**0**	Q	60.7	**0**	Q	75-125	6	20
Lead, Total	0.0902	0.51	0.5930	98		0.6271	105		75-125	6	20
Magnesium, Total	46.0	10	55.2	92		62.1	**161**	Q	75-125	12	20
Manganese, Total	1.921	0.5	2.376	91		2.470	110		75-125	4	20
Nickel, Total	0.5952	0.5	1.047	90		1.087	98		75-125	4	20
Potassium, Total	12.2	10	21.2	90		22.0	98		75-125	4	20
Selenium, Total	0.024	0.12	0.146	101		0.126	85		75-125	15	20
Silver, Total	0.0002J	0.05	0.0498	100		0.0528	106		75-125	6	20
Sodium, Total	20.9	10	29.9	90		32.6	117		75-125	9	20
Thallium, Total	0.00047J	0.12	0.1141	95		0.1173	98		75-125	3	20
Vanadium, Total	0.0811	0.5	0.5722	98		0.5924	102		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795004-9 WG795004-10 QC Sample: L1513391-06 Client ID: MW-9									
Zinc, Total	0.1461	0.5	0.6745	106	0.6964	110	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795168-3 WG795168-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)											
Aluminum, Total	5400	190	4900	**0**	Q	5000	**0**	Q	75-125	2	20
Antimony, Total	ND	47.6	40	84		39	83		75-125	3	20
Arsenic, Total	1.6	11.4	13	100		14	110		75-125	7	20
Barium, Total	67.	190	260	101		240	92		75-125	8	20
Beryllium, Total	0.55	4.76	5.0	94		5.0	94		75-125	0	20
Cadmium, Total	ND	4.85	4.3	88		4.3	89		75-125	0	20
Calcium, Total	25000	952	16000	**0**	Q	14000	**0**	Q	75-125	13	20
Chromium, Total	17.	19	32	79		32	79		75-125	0	20
Cobalt, Total	6.8	47.6	51	93		52	96		75-125	2	20
Copper, Total	37.	23.8	55	76		56	80		75-125	2	20
Iron, Total	16000	95.2	14000	**0**	Q	16000	**0**	Q	75-125	13	20
Lead, Total	11.	48.5	58	97		56	94		75-125	4	20
Magnesium, Total	6200	952	6200	**0**	Q	7100	95		75-125	14	20
Manganese, Total	640	47.6	450	**0**	Q	400	**0**	Q	75-125	12	20
Nickel, Total	41.	47.6	78	78		85	93		75-125	9	20
Potassium, Total	1500	952	2000	**52**	Q	2200	**74**	Q	75-125	10	20
Selenium, Total	ND	11.4	11	96		10	88		75-125	10	20
Silver, Total	ND	28.5	28	98		28	99		75-125	0	20
Sodium, Total	160J	952	1200	**126**	Q	1100	116		75-125	9	20
Thallium, Total	ND	11.4	9.5	83		9.6	85		75-125	1	20
Vanadium, Total	18.	47.6	62	92		62	93		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795168-3 WG795168-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)									
Zinc, Total	44.	47.6	86	88	80	76	75-125	7	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01
Client ID: SB-9 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 10:05
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02
Client ID: DUP061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 12:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03
Client ID: SB-10 (24-26)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 12:45
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08
Client ID: FIELD BLANK 061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 15:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	06/16/15 15:00	06/17/15 13:03	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/16/15 05:05	06/16/15 05:33	1,7196A	LH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG793890-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/16/15 05:05	06/16/15 05:32	1,7196A	LH
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG794106-1										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	06/16/15 15:00	06/17/15 12:53	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG793890-2								
Chromium, Hexavalent	92		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG794106-2 WG794106-3								
Cyanide, Total	98		100		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG793890-4 QC Sample: L1513391-08 Client ID: FIELD BLANK 061515												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG794106-4 WG794106-5 QC Sample: L1513288-10 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.180	90		0.163	82		80-120	10		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG793890-3 QC Sample: L1513391-08 Client ID: FIELD BLANK 061515						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794202-1 QC Sample: L1513383-69 Client ID: DUP Sample						
Solids, Total	85.1	88.8	%	4		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/16/2015 03:03

Cooler Information	Custody Seal
Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-01A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01A1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01A2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01D1	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01D2	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-01E1	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-01E2	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-01X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Z1	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-02E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-02X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-03B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-03C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-03D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-03E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-03X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-04A	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04B	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04D	Plastic 250ml HNO3 preserved	C	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-04E	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-04F	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-04G	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-04H	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-04I	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-04J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-05A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-05B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-05C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-05D	Plastic 250ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-05E	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-05F	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-05G	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-05H	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-05I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-05J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06A1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06A2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06D	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-06D1	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-06D2	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-06E	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06E1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06E2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06G	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06G1	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06G2	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H1	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H2	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06I1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06I2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-07A	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-07B	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-07C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-07D	Plastic 250ml HNO3 preserved	C	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-07E	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-07F	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-07G	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-07H	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-07I	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-07J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-08A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08D	Plastic 250ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-08E	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1513391-08F	Plastic 250ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1513391-08G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270-SIM(7)
L1513391-08H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270-SIM(7)
L1513391-08I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7)
L1513391-08J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7)
L1513391-08K	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-08L	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-08M	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-08N	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-09A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-09B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 6/15/15

ALPHA Job #: L1513391

Client Information
Client: Koop Associates Inc
Address: 909 Shafter St
Islandia NY 11749
Phone: 631-237 2600
Fax: 631-237 9898
Email: jcollins@keyenv.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.0001/0003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	Total Hg/NYTCL 8081 TEST	TS						Sample Specific Comments	Total Bottle
13391 -01	SB-9 (30-32) MS	6/15/15	1000	S	AM	X	X	X							5
-02	DUP061515		1200	S	AM	X	X	X							5
-01	SB-9 (30-32)		1000	S	AM	X	X	X							5
-01	SB-9 (30-32) MSD		1010	S	AM	X	X	X							5
-03	SB-10 (24-26)		1245	S	AM	X	X	X							5

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1600 6/15/15	[illegible]	6/15 1615
[illegible]	6/15/15 1900	Tom Tobin	6-15-15 1900
Tom Tobin	6/15/15 2345	Graham Phillips	6/15/15 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/15/15

ALPHA Job #: L15 3391

Client Information
Client: Kerry Associates INC
Address: 209 Shaffer St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@rounc.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.000 IY003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLVOCs+tic 8260	CLP8270D	CLP 8081B/8082A	CLP 8260A	TAL metals/6020ths	Total Mercury 7470A	TCN	HexCr	Sample Specific Comments	Total Bottle
13391-04	FOB DUP061515	6/15/15	1200	W	BK	X	X	X	X	X	X				10
-05	GW-10	↓	1300	W	BK	X	X	X	X	X	X				10
-06	MW-9 MSD		1235	W	BK	X	X	X	X	X	X				10
-07	MW-11		1030	W	BK	X	X	X	X	X	X				10
-06	MW-9		1240	W	BK	X	X	X	X	X	X				10
-06	MW-9 MS		1230	W	BK	X	X	X	X	X	X				10
-08	Field Blank 061515	↓	1530	W	BK	X	X	X	X	X	X	X	X		10
-09	Trip Blank	6/12/15	-	W	KS	X									2

Container Type	V	A	A	A	P	A	P	P
Preservative	B	A	A	A	C	A	E	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1600 6/15/15	[illegible]	1600 6/15/15
[illegible]	1900	Tom Tobin	6-15-15 1900
Tom Tobin	6/15/15 2345	Graham Phillips	6/15/15 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1514560
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/30/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1514560-01	DUP061515	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:00	06/15/15
L1514560-02	GW-10	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 13:00	06/15/15
L1514560-03	MW-9	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:40	06/15/15
L1514560-04	MW-11	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 10:30	06/15/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560
Project Number: 1637.0001Y003 **Report Date:** 06/30/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560
Project Number: 1637.0001Y003 **Report Date:** 06/30/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The samples were received at the laboratory requiring filtration for Dissolved Metals; however, the request for analysis was received beyond the recommended 24 hour holding time required for filtration. The samples were filtered and preserved appropriately.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/30/15

METALS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1514560
Report Date: 06/30/15

SAMPLE RESULTS

Lab ID: L1514560-01
Client ID: DUP061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 12:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.031		mg/l	0.010	0.002	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0012	J	mg/l	0.0020	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0004	J	mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.090		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Calcium, Dissolved	83.9		mg/l	2.00	0.640	20	06/26/15 19:20	06/30/15 13:33	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0030		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0001	J	mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0013		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.045	J	mg/l	0.050	0.012	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	110		mg/l	1.40	0.446	20	06/26/15 19:20	06/30/15 13:33	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.0012		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/29/15 15:07	06/29/15 18:20	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0064		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Potassium, Dissolved	5.69		mg/l	0.100	0.019	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.001	J	mg/l	0.005	0.001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Sodium, Dissolved	300		mg/l	2.00	0.322	20	06/26/15 19:20	06/30/15 13:33	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/26/15 19:20	06/30/15 13:17	EPA 3005A	1,6020A	BM

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1514560
Report Date: 06/30/15

SAMPLE RESULTS

Lab ID: L1514560-02
Client ID: GW-10
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 13:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.012		mg/l	0.010	0.002	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0012	J	mg/l	0.0020	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0006		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.2026		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	0.0001	J	mg/l	0.0002	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Calcium, Dissolved	77.5		mg/l	2.00	0.640	20	06/26/15 19:20	06/30/15 13:36	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0021		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0019		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0012		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.031	J	mg/l	0.050	0.012	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	114		mg/l	1.40	0.446	20	06/26/15 19:20	06/30/15 13:36	EPA 3005A	1,6020A	BM
Manganese, Dissolved	1.926		mg/l	0.0200	0.0060	20	06/26/15 19:20	06/30/15 13:36	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/29/15 15:07	06/29/15 18:25	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0406		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Potassium, Dissolved	7.46		mg/l	0.100	0.019	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.002	J	mg/l	0.005	0.001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Sodium, Dissolved	200		mg/l	2.00	0.322	20	06/26/15 19:20	06/30/15 13:36	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0007	J	mg/l	0.0050	0.0006	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/26/15 19:20	06/30/15 13:20	EPA 3005A	1,6020A	BM

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1514560
Project Number:	1637.0001Y003	**Report Date:**	06/30/15

SAMPLE RESULTS

Lab ID:	L1514560-03	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.046		mg/l	0.010	0.002	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0014	J	mg/l	0.0020	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0011		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.0221		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Calcium, Dissolved	9.37		mg/l	0.100	0.032	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0060		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0004	J	mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0011		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.118		mg/l	0.050	0.012	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0003	J	mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	7.03		mg/l	0.070	0.022	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.0228		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/29/15 15:07	06/29/15 18:31	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0064		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Potassium, Dissolved	3.59		mg/l	0.100	0.019	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Sodium, Dissolved	15.9		mg/l	0.100	0.016	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0023	J	mg/l	0.0050	0.0006	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/26/15 19:20	06/30/15 13:08	EPA 3005A	1,6020A	BM

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1514560
Project Number:	1637.0001Y003	**Report Date:**	06/30/15

SAMPLE RESULTS

Lab ID:	L1514560-04	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.006	J	mg/l	0.010	0.002	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0006	J	mg/l	0.0020	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.00047	J	mg/l	0.00050	0.00012	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.0771		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	0.0002		mg/l	0.0002	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Calcium, Dissolved	73.0		mg/l	2.00	0.640	20	06/26/15 19:20	06/30/15 13:39	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0053		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0104		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.053		mg/l	0.050	0.012	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0017		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	106		mg/l	1.40	0.446	20	06/26/15 19:20	06/30/15 13:39	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.0014		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/29/15 15:07	06/29/15 18:32	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0170		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Potassium, Dissolved	6.01		mg/l	0.100	0.019	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.003	J	mg/l	0.005	0.001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Sodium, Dissolved	308		mg/l	2.00	0.322	20	06/26/15 19:20	06/30/15 13:39	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0230		mg/l	0.0100	0.0026	1	06/26/15 19:20	06/30/15 13:23	EPA 3005A	1,6020A	BM

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560

Project Number: 1637.0001Y003 **Report Date:** 06/30/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG797712-1										
Aluminum, Dissolved	0.004	J	mg/l	0.010	0.002	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Antimony, Dissolved	0.0007	J	mg/l	0.0020	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.100	0.032	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Chromium, Dissolved	0.0006	J	mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.050	0.012	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.070	0.022	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Manganese, Dissolved	ND		mg/l	0.0010	0.0003	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Nickel, Dissolved	0.0005	J	mg/l	0.0010	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Potassium, Dissolved	ND		mg/l	0.100	0.019	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Sodium, Dissolved	0.034	J	mg/l	0.100	0.016	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/26/15 19:20	06/30/15 13:02	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04 Batch: WG798161-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/29/15 15:07	06/29/15 18:17	1,7470A	EA

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560

Project Number: 1637.0001Y003 **Report Date:** 06/30/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG797712-2								
Aluminum, Dissolved	96		-		80-120	-		
Antimony, Dissolved	94		-		80-120	-		
Arsenic, Dissolved	106		-		80-120	-		
Barium, Dissolved	91		-		80-120	-		
Beryllium, Dissolved	96		-		80-120	-		
Cadmium, Dissolved	106		-		80-120	-		
Calcium, Dissolved	87		-		80-120	-		
Chromium, Dissolved	88		-		80-120	-		
Cobalt, Dissolved	96		-		80-120	-		
Copper, Dissolved	100		-		80-120	-		
Iron, Dissolved	99		-		80-120	-		
Lead, Dissolved	97		-		80-120	-		
Magnesium, Dissolved	97		-		80-120	-		
Manganese, Dissolved	87		-		80-120	-		
Nickel, Dissolved	94		-		80-120	-		
Potassium, Dissolved	92		-		80-120	-		
Selenium, Dissolved	104		-		80-120	-		
Silver, Dissolved	98		-		80-120	-		
Sodium, Dissolved	92		-		80-120	-		
Thallium, Dissolved	95		-		80-120	-		
Vanadium, Dissolved	91		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG797712-2					
Zinc, Dissolved	99	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG798161-2					
Mercury, Dissolved	104	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG797712-4 QC Sample: L1514560-03 Client ID: MW-9												
Aluminum, Dissolved	0.046	2	2.14	105		-	-		75-125	-		20
Antimony, Dissolved	0.0014J	0.5	0.4799	96		-	-		75-125	-		20
Arsenic, Dissolved	0.0011	0.12	0.1268	105		-	-		75-125	-		20
Barium, Dissolved	0.0221	2	1.924	95		-	-		75-125	-		20
Beryllium, Dissolved	ND	0.05	0.0487	97		-	-		75-125	-		20
Cadmium, Dissolved	ND	0.051	0.0509	100		-	-		75-125	-		20
Calcium, Dissolved	9.37	10	18.5	91		-	-		75-125	-		20
Chromium, Dissolved	0.0060	0.2	0.1942	94		-	-		75-125	-		20
Cobalt, Dissolved	0.0004J	0.5	0.5158	103		-	-		75-125	-		20
Copper, Dissolved	0.0011	0.25	0.2571	102		-	-		75-125	-		20
Iron, Dissolved	0.118	1	1.20	108		-	-		75-125	-		20
Lead, Dissolved	0.0003J	0.51	0.4956	97		-	-		75-125	-		20
Magnesium, Dissolved	7.03	10	17.1	101		-	-		75-125	-		20
Manganese, Dissolved	0.0228	0.5	0.5261	101		-	-		75-125	-		20
Nickel, Dissolved	0.0064	0.5	0.4882	96		-	-		75-125	-		20
Potassium, Dissolved	3.59	10	13.5	99		-	-		75-125	-		20
Selenium, Dissolved	ND	0.12	0.143	119		-	-		75-125	-		20
Silver, Dissolved	ND	0.05	0.0472	94		-	-		75-125	-		20
Sodium, Dissolved	15.9	10	25.6	97		-	-		75-125	-		20
Thallium, Dissolved	ND	0.12	0.1135	94		-	-		75-125	-		20
Vanadium, Dissolved	0.0023J	0.5	0.4916	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG797712-4 QC Sample: L1514560-03 Client ID: MW-9									
Zinc, Dissolved	ND	0.5	0.5135	103	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG798161-4 QC Sample: L1514560-01 Client ID: DUP061515									
Mercury, Dissolved	ND	0.005	0.00503	101	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG797712-3 QC Sample: L1514560-03 Client ID: MW-9						
Aluminum, Dissolved	0.046	0.039	mg/l	16		20
Antimony, Dissolved	0.0014J	0.0012J	mg/l	NC		20
Arsenic, Dissolved	0.0011	0.0012	mg/l	5		20
Barium, Dissolved	0.0221	0.0223	mg/l	1		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	9.37	8.85	mg/l	6		20
Chromium, Dissolved	0.0060	0.0064	mg/l	6		20
Cobalt, Dissolved	0.0004J	0.0004J	mg/l	NC		20
Copper, Dissolved	0.0011	0.0009J	mg/l	NC		20
Iron, Dissolved	0.118	0.100	mg/l	17		20
Lead, Dissolved	0.0003J	ND	mg/l	NC		20
Magnesium, Dissolved	7.03	7.06	mg/l	0		20
Manganese, Dissolved	0.0228	0.0211	mg/l	8		20
Nickel, Dissolved	0.0064	0.0072	mg/l	11		20
Potassium, Dissolved	3.59	3.37	mg/l	6		20
Selenium, Dissolved	ND	ND	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	15.9	15.8	mg/l	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG797712-3 QC Sample: L1514560-03 Client ID: MW-9					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.0023J	0.0024J	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG798161-3 QC Sample: L1514560-01 Client ID: DUP061515					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1514560-01A	Amber 500ml unpreserved	C	7	2.5	Y	Absent	-
L1514560-01X	Plastic 120ml HNO3 preserved spl	C	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1514560-02A	Amber 500ml unpreserved	B	7	3.1	Y	Absent	-
L1514560-02X	Plastic 120ml HNO3 preserved spl	B	<2	3.1	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1514560-03A	Amber 500ml unpreserved	A	7	2.4	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1514560
Report Date: 06/30/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1514560-03X	Plastic 120ml HNO3 preserved spl	A	<2	2.4	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1514560-04A	Amber 500ml unpreserved	C	7	2.5	Y	Absent	-
L1514560-04X	Plastic 120ml HNO3 preserved spl	C	<2	2.5	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1514560
Project Number:	1637.0001Y003	**Report Date:**	06/30/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560

Project Number: 1637.0001Y003 **Report Date:** 06/30/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1514560
Project Number: 1637.0001Y003 **Report Date:** 06/30/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1514560 SH 6/25/15

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/15/15

ALPHA Job #: ~~L15 3391~~

Client Information
Client: Kerry Associates INC
Address: 207 Shaffer St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@rownc.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.000 1X003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Tetrachloroethylene 8260	8260 Soil	8260 Soil/Methanol	8260	8260	Phenanthrene/Naphthalene	Total Phenols 9066	TCN	Hexane	Sample Specific Comments	Total # of Bottles
14560-01	FOB DUP061515	6/15/15	1200	W	BK	X	X	X	X	X	X				Diss. TAL	10
-02	GW-10		1300	W	BK	X	X	X	X	X	X				Diss. TAL	10
-03	MW-9 MSD		1235	W	BK	X	X	X	X	X	X				Diss. TAL	10
-04	MW-11		1030	W	BK	X	X	X	X	X	X				Diss. TAL	10
-05	MW-9		1240	W	BK	X	X	X	X	X	X					10
-06	MW-9 MS		1230	W	BK	X	X	X	X	X	X					10
-07	Field Blank 061515		1530	W	BK	X	X	X	X	X	X	X	X			10
-08	Trip Blank	6/12/15	–	W	FS	X										2

Container Type	V	A	A	A	P	A	P	P
Preservative	B	A	A	A	C	A	E	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1100 6/15/15	[illegible]	1600 6/15/15
[illegible]	6/15/15 1900	Tom Tobin	6-15-15 1900
Tom Tobin	6/15/15 2345	Graham Phillips	6/15/15 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512712
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/15/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512712-01	SB-09 (0-2)	SOIL	5 BAY ST., STATEN ISLAND, NY	06/08/15 10:15	06/08/15
L1512712-02	TRIP BLANK	WATER	5 BAY ST., STATEN ISLAND, NY	06/08/15 00:00	06/08/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712
Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1512712
Project Number:	1637.0001Y003	**Report Date:**	06/15/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1512712-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 06/15/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID:	L1512712-01	Date Collected:	06/08/15 10:15
Client ID:	SB-09 (0-2)	Date Received:	06/08/15
Sample Location:	5 BAY ST., STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/11/15 14:23		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	0.43	J	ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	0.70	J	ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01 Date Collected: 06/08/15 10:15

Client ID: SB-09 (0-2) Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01 Date Collected: 06/08/15 10:15

Client ID: SB-09 (0-2) Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID:	L1512712-02	Date Collected:	06/08/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/08/15
Sample Location:	5 BAY ST., STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/11/15 16:18		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-02 Date Collected: 06/08/15 00:00

Client ID: TRIP BLANK Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-02 Date Collected: 06/08/15 00:00

Client ID: TRIP BLANK Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 09:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG792863-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 09:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG792863-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 09:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG792863-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 10:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793014-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 10:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793014-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 10:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793014-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/15 10:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793014-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG792863-1 WG792863-2								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	105		104		70-130	1		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	85		86		63-132	1		20
1,2-Dichloropropane	106		105		70-130	1		20
Dibromochloromethane	89		92		63-130	3		20
1,1,2-Trichloroethane	111		110		70-130	1		20
Tetrachloroethene	93		95		70-130	2		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	115		119		62-150	3		20
1,2-Dichloroethane	112		111		70-130	1		20
1,1,1-Trichloroethane	93		94		67-130	1		20
Bromodichloromethane	97		97		67-130	0		20
trans-1,3-Dichloropropene	98		101		70-130	3		20
cis-1,3-Dichloropropene	94		94		70-130	0		20
1,1-Dichloropropene	97		98		70-130	1		20
Bromoform	90		92		54-136	2		20
1,1,2,2-Tetrachloroethane	116		116		67-130	0		20
Benzene	98		96		70-130	2		20
Toluene	102		100		70-130	2		20
Ethylbenzene	101		103		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG792863-1 WG792863-2								
Chloromethane	114		113		64-130	1		20
Bromomethane	123		119		39-139	3		20
Vinyl chloride	106		108		55-140	2		20
Chloroethane	128		132		55-138	3		20
1,1-Dichloroethene	91		93		61-145	2		20
trans-1,2-Dichloroethene	91		93		70-130	2		20
Trichloroethene	94		95		70-130	1		20
1,2-Dichlorobenzene	101		101		70-130	0		20
1,3-Dichlorobenzene	103		101		70-130	2		20
1,4-Dichlorobenzene	101		100		70-130	1		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	98		98		70-130	0		20
o-Xylene	98		99		70-130	1		20
cis-1,2-Dichloroethene	95		94		70-130	1		20
Dibromomethane	100		102		70-130	2		20
1,2,3-Trichloropropane	118		118		64-130	0		20
Acrylonitrile	113		113		70-130	0		20
Styrene	100		101		70-130	1		20
Dichlorodifluoromethane	84		84		36-147	0		20
Acetone	103		90		58-148	13		20
Carbon disulfide	95		90		51-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG792863-1 WG792863-2								
2-Butanone	136		132		63-138	3		20
Vinyl acetate	119		120		70-130	1		20
4-Methyl-2-pentanone	99		103		59-130	4		20
2-Hexanone	115		116		57-130	1		20
Bromochloromethane	90		90		70-130	0		20
2,2-Dichloropropane	94		95		63-133	1		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	107		110		70-130	3		20
1,1,1,2-Tetrachloroethane	94		95		64-130	1		20
Bromobenzene	99		99		70-130	0		20
n-Butylbenzene	118		115		53-136	3		20
sec-Butylbenzene	109		108		70-130	1		20
tert-Butylbenzene	104		102		70-130	2		20
o-Chlorotoluene	110		109		70-130	1		20
p-Chlorotoluene	112		108		70-130	4		20
1,2-Dibromo-3-chloropropane	112		116		41-144	4		20
Hexachlorobutadiene	95		95		63-130	0		20
Isopropylbenzene	103		103		70-130	0		20
p-Isopropyltoluene	105		103		70-130	2		20
Naphthalene	95		114		70-130	18		20
n-Propylbenzene	110		110		69-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG792863-1 WG792863-2								
1,2,3-Trichlorobenzene	82		96		70-130	16		20
1,2,4-Trichlorobenzene	86		95		70-130	10		20
1,3,5-Trimethylbenzene	107		106		64-130	1		20
1,2,4-Trimethylbenzene	108		105		70-130	3		20
1,4-Dioxane	111		90		56-162	**21**	Q	20
p-Diethylbenzene	105		100		70-130	5		20
p-Ethyltoluene	106		104		70-130	2		20
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		20
Ethyl ether	117		116		59-134	1		20
trans-1,4-Dichloro-2-butene	120		123		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		120		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793014-1 WG793014-2								
Methylene chloride	92		87		70-130	6		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	96		92		70-130	4		30
Carbon tetrachloride	101		93		70-130	8		30
1,2-Dichloropropane	98		92		70-130	6		30
Dibromochloromethane	101		96		70-130	5		30
2-Chloroethylvinyl ether	123		102		70-130	19		30
1,1,2-Trichloroethane	106		101		70-130	5		30
Tetrachloroethene	110		106		70-130	4		30
Chlorobenzene	106		101		70-130	5		30
Trichlorofluoromethane	101		91		70-139	10		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	99		93		70-130	6		30
Bromodichloromethane	91		90		70-130	1		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	98		93		70-130	5		30
1,1-Dichloropropene	103		96		70-130	7		30
Bromoform	107		98		70-130	9		30
1,1,2,2-Tetrachloroethane	110		102		70-130	8		30
Benzene	96		91		70-130	5		30
Toluene	102		97		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793014-1 WG793014-2								
Ethylbenzene	106		100		70-130	6		30
Chloromethane	73		80		52-130	9		30
Bromomethane	83		78		57-147	6		30
Vinyl chloride	93		89		67-130	4		30
Chloroethane	97		84		50-151	14		30
1,1-Dichloroethene	100		88		65-135	13		30
trans-1,2-Dichloroethene	114		88		70-130	26		30
Trichloroethene	98		92		70-130	6		30
1,2-Dichlorobenzene	108		105		70-130	3		30
1,3-Dichlorobenzene	110		104		70-130	6		30
1,4-Dichlorobenzene	110		106		70-130	4		30
Methyl tert butyl ether	100		96		66-130	4		30
p/m-Xylene	107		102		70-130	5		30
o-Xylene	105		103		70-130	2		30
cis-1,2-Dichloroethene	98		95		70-130	3		30
Dibromomethane	97		92		70-130	5		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	114		104		30-146	9		30
Acetone	101		91		54-140	10		30
Carbon disulfide	96		86		59-130	11		30
2-Butanone	91		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793014-1 WG793014-2								
Vinyl acetate	92		89		70-130	3		30
4-Methyl-2-pentanone	94		88		70-130	7		30
1,2,3-Trichloropropane	102		100		68-130	2		30
2-Hexanone	95		92		70-130	3		30
Bromochloromethane	100		96		70-130	4		30
2,2-Dichloropropane	99		92		70-130	7		30
1,2-Dibromoethane	105		103		70-130	2		30
1,3-Dichloropropane	102		101		69-130	1		30
1,1,1,2-Tetrachloroethane	104		100		70-130	4		30
Bromobenzene	108		100		70-130	8		30
n-Butylbenzene	115		108		70-130	6		30
sec-Butylbenzene	113		106		70-130	6		30
tert-Butylbenzene	108		102		70-130	6		30
o-Chlorotoluene	108		105		70-130	3		30
p-Chlorotoluene	109		103		70-130	6		30
1,2-Dibromo-3-chloropropane	109		102		68-130	7		30
Hexachlorobutadiene	119		115		67-130	3		30
Isopropylbenzene	108		102		70-130	6		30
p-Isopropyltoluene	115		107		70-130	7		30
Naphthalene	111		104		70-130	7		30
Acrylonitrile	95		88		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793014-1 WG793014-2								
Diisopropyl Ether	94		91		66-130	3		30
Tert-Butyl Alcohol	100		94		70-130	6		30
n-Propylbenzene	111		103		70-130	7		30
1,2,3-Trichlorobenzene	112		109		70-130	3		30
1,2,4-Trichlorobenzene	117		110		70-130	6		30
1,3,5-Trimethylbenzene	111		103		70-130	7		30
1,2,4-Trimethylbenzene	111		104		70-130	7		30
Methyl Acetate	105		82		51-146	25		30
Ethyl Acetate	93		95		70-130	2		30
Acrolein	97		91		70-130	6		30
Cyclohexane	108		100		59-142	8		30
1,4-Dioxane	118		113		65-136	4		30
Freon-113	104		87		50-139	18		30
p-Diethylbenzene	106		101		70-130	5		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	104		100		70-130	4		30
Tetrahydrofuran	89		90		66-130	1		30
Ethyl ether	97		91		67-130	6		30
trans-1,4-Dichloro-2-butene	105		99		70-130	6		30
Methyl cyclohexane	110		99		70-130	11		30
Ethyl-Tert-Butyl-Ether	94		91		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793014-1 WG793014-2								
Tertiary-Amyl Methyl Ether	94		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID:	L1512712-01	Date Collected:	06/08/15 10:15
Client ID:	SB-09 (0-2)	Date Received:	06/08/15
Sample Location:	5 BAY ST., STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/10/15 09:11
Analytical Date:	06/11/15 23:05		
Analyst:	JB		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01 Date Collected: 06/08/15 10:15

Client ID: SB-09 (0-2) Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01 Date Collected: 06/08/15 10:15

Client ID: SB-09 (0-2) Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	71		18-120

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/15 17:18
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/10/15 09:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG792197-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/15 17:18
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/10/15 09:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG792197-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	51.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/15 17:18
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 06/10/15 09:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG792197-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG792197-2 WG792197-3								
Acenaphthene	66		64		31-137	3		50
1,2,4-Trichlorobenzene	63		60		38-107	5		50
Hexachlorobenzene	73		72		40-140	1		50
Bis(2-chloroethyl)ether	60		58		40-140	3		50
2-Chloronaphthalene	69		66		40-140	4		50
1,2-Dichlorobenzene	62		59		40-140	5		50
1,3-Dichlorobenzene	60		58		40-140	3		50
1,4-Dichlorobenzene	59		57		28-104	3		50
3,3'-Dichlorobenzidine	76		76		40-140	0		50
2,4-Dinitrotoluene	74		74		28-89	0		50
2,6-Dinitrotoluene	73		72		40-140	1		50
Fluoranthene	75		75		40-140	0		50
4-Chlorophenyl phenyl ether	69		68		40-140	1		50
4-Bromophenyl phenyl ether	74		72		40-140	3		50
Bis(2-chloroisopropyl)ether	58		56		40-140	4		50
Bis(2-chloroethoxy)methane	63		61		40-117	3		50
Hexachlorobutadiene	63		60		40-140	5		50
Hexachlorocyclopentadiene	87		83		40-140	5		50
Hexachloroethane	56		53		40-140	6		50
Isophorone	65		62		40-140	5		50
Naphthalene	66		63		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG792197-2 WG792197-3								
Nitrobenzene	60		57		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	72		73		36-157	1		50
n-Nitrosodi-n-propylamine	62		60		32-121	3		50
Bis(2-Ethylhexyl)phthalate	76		75		40-140	1		50
Butyl benzyl phthalate	80		80		40-140	0		50
Di-n-butylphthalate	72		74		40-140	3		50
Di-n-octylphthalate	77		77		40-140	0		50
Diethyl phthalate	68		68		40-140	0		50
Dimethyl phthalate	70		68		40-140	3		50
Benzo(a)anthracene	69		70		40-140	1		50
Benzo(a)pyrene	74		75		40-140	1		50
Benzo(b)fluoranthene	66		70		40-140	6		50
Benzo(k)fluoranthene	70		69		40-140	1		50
Chrysene	68		68		40-140	0		50
Acenaphthylene	71		70		40-140	1		50
Anthracene	74		74		40-140	0		50
Benzo(ghi)perylene	71		71		40-140	0		50
Fluorene	71		70		40-140	1		50
Phenanthrene	68		68		40-140	0		50
Dibenzo(a,h)anthracene	72		73		40-140	1		50
Indeno(1,2,3-cd)Pyrene	70		71		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG792197-2 WG792197-3								
Pyrene	74		74		35-142	0		50
Biphenyl	67		65		54-104	3		50
4-Chloroaniline	50		64		40-140	25		50
2-Nitroaniline	77		74		47-134	4		50
3-Nitroaniline	64		62		26-129	3		50
4-Nitroaniline	72		74		41-125	3		50
Dibenzofuran	69		68		40-140	1		50
2-Methylnaphthalene	67		63		40-140	6		50
1,2,4,5-Tetrachlorobenzene	64		62		40-117	3		50
Acetophenone	63		60		14-144	5		50
2,4,6-Trichlorophenol	72		71		30-130	1		50
P-Chloro-M-Cresol	72		68		26-103	6		50
2-Chlorophenol	63		60		25-102	5		50
2,4-Dichlorophenol	68		66		30-130	3		50
2,4-Dimethylphenol	72		70		30-130	3		50
2-Nitrophenol	69		66		30-130	4		50
4-Nitrophenol	65		67		11-114	3		50
2,4-Dinitrophenol	55		53		4-130	4		50
4,6-Dinitro-o-cresol	75		74		10-130	1		50
Pentachlorophenol	79		79		17-109	0		50
Phenol	62		60		26-90	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG792197-2 WG792197-3								
2-Methylphenol	66		63		30-130.	5		50
3-Methylphenol/4-Methylphenol	67		65		30-130	3		50
2,4,5-Trichlorophenol	73		71		30-130	3		50
Benzoic Acid	28		25		10-66	11		50
Benzyl Alcohol	64		61		40-140	5		50
Carbazole	72		72		54-128	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		59		25-120
Phenol-d6	63		62		10-120
Nitrobenzene-d5	60		56		23-120
2-Fluorobiphenyl	68		66		30-120
2,4,6-Tribromophenol	77		74		10-136
4-Terphenyl-d14	76		77		18-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID:	L1512712-01	Date Collected:	06/08/15 10:15
Client ID:	SB-09 (0-2)	Date Received:	06/08/15
Sample Location:	5 BAY ST., STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/11/15 16:25
Analytical Date:	06/12/15 15:46	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/12/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/12/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.03	1	A
Aroclor 1221	ND		ug/kg	38.4	3.54	1	A
Aroclor 1232	ND		ug/kg	38.4	4.50	1	A
Aroclor 1242	ND		ug/kg	38.4	4.70	1	A
Aroclor 1248	ND		ug/kg	38.4	3.24	1	A
Aroclor 1254	ND		ug/kg	38.4	3.16	1	A
Aroclor 1260	ND		ug/kg	38.4	2.93	1	A
Aroclor 1262	ND		ug/kg	38.4	1.90	1	A
Aroclor 1268	ND		ug/kg	38.4	5.57	1	A
PCBs, Total	ND		ug/kg	38.4	1.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1512712

Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/15 19:28
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/11/15 16:25
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG792811-1						
Aroclor 1016	ND		ug/kg	31.7	2.51	A
Aroclor 1221	ND		ug/kg	31.7	2.92	A
Aroclor 1232	ND		ug/kg	31.7	3.72	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.68	A
Aroclor 1254	ND		ug/kg	31.7	2.61	A
Aroclor 1260	ND		ug/kg	31.7	2.42	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.60	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1512712

Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG792811-2 WG792811-3									
Aroclor 1016	79		84		40-140	6		50	A
Aroclor 1260	52		58		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	48		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		81		30-150	B
Decachlorobiphenyl	67		74		30-150	B

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID:	L1512712-01	Date Collected:	06/08/15 10:15
Client ID:	SB-09 (0-2)	Date Received:	06/08/15
Sample Location:	5 BAY ST., STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/10/15 12:43
Analytical Date:	06/15/15 16:46	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/11/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.350	1	A
Lindane	ND		ug/kg	0.744	0.332	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin ketone	ND		ug/kg	1.78	0.460	1	A
Dieldrin	16.9		ug/kg	1.12	0.558	1	A
4,4'-DDE	3.85		ug/kg	1.78	0.413	1	A
4,4'-DDD	ND		ug/kg	1.78	0.637	1	A
4,4'-DDT	1.98	J	ug/kg	3.35	1.44	1	B
Endosulfan I	ND		ug/kg	1.78	0.422	1	A
Endosulfan II	ND		ug/kg	1.78	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.37	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.5	5.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/15/15 15:25
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 06/10/15 12:41
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG792310-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	12.7	5.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	63		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG792310-2 WG792310-3									
Delta-BHC	70		71		30-150	1		30	A
Lindane	94		96		30-150	2		30	A
Alpha-BHC	99		104		30-150	5		30	A
Beta-BHC	86		90		30-150	5		30	A
Heptachlor	102		100		30-150	2		30	A
Aldrin	101		106		30-150	5		30	A
Heptachlor epoxide	92		98		30-150	6		30	A
Endrin	100		105		30-150	5		30	A
Endrin ketone	72		71		30-150	1		30	A
Dieldrin	99		106		30-150	7		30	A
4,4'-DDE	99		105		30-150	6		30	A
4,4'-DDD	110		118		30-150	7		30	A
4,4'-DDT	109		114		30-150	4		30	A
Endosulfan I	87		96		30-150	10		30	A
Endosulfan II	88		91		30-150	3		30	A
Endosulfan sulfate	62		61		30-150	2		30	A
Methoxychlor	92		95		30-150	3		30	A
cis-Chlordane	102		98		30-150	4		30	A
trans-Chlordane	101		99		30-150	2		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG792310-2 WG792310-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		97		30-150	B
Decachlorobiphenyl	93		95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		82		30-150	A
Decachlorobiphenyl	69		73		30-150	A

METALS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01 Date Collected: 06/08/15 10:15

Client ID: SB-09 (0-2) Date Received: 06/08/15

Sample Location: 5 BAY ST., STATEN ISLAND, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	9.2	1.8	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.73	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Arsenic, Total	5.3		mg/kg	0.92	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Barium, Total	28		mg/kg	0.92	0.28	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Beryllium, Total	0.37	J	mg/kg	0.46	0.09	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.92	0.06	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Calcium, Total	740		mg/kg	9.2	2.8	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.92	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Cobalt, Total	6.6		mg/kg	1.8	0.46	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.92	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.6	1.8	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Lead, Total	20		mg/kg	4.6	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Magnesium, Total	2300		mg/kg	9.2	0.92	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Manganese, Total	210		mg/kg	0.92	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	06/09/15 08:52	06/10/15 14:39	EPA 7471B	1,7471B	DB
Nickel, Total	19		mg/kg	2.3	0.37	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Potassium, Total	860		mg/kg	230	37.	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.28	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.92	0.18	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Sodium, Total	80	J	mg/kg	180	28.	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Vanadium, Total	22		mg/kg	0.92	0.09	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH
Zinc, Total	41		mg/kg	4.6	0.64	2	06/11/15 02:12	06/11/15 16:31	EPA 3050B	1,6010C	JH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG791766-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/09/15 08:52	06/10/15 13:28	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG792528-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/11/15 02:12	06/11/15 12:07	1,6010C	JH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712

Project Number: 1637.0001Y003 **Report Date:** 06/15/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1512712

Report Date: 06/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG791766-2 SRM Lot Number: D088-540								
Mercury, Total	128		-		72-128	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG792528-2 SRM Lot Number: D088-540					
Aluminum, Total	72	-	48-151	-	
Antimony, Total	159	-	1-208	-	
Arsenic, Total	88	-	79-121	-	
Barium, Total	83	-	83-117	-	
Beryllium, Total	86	-	83-117	-	
Cadmium, Total	84	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	83	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	93	-	81-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	81	-	81-118	-	
Nickel, Total	84	-	83-117	-	
Potassium, Total	82	-	71-129	-	
Selenium, Total	91	-	78-122	-	
Silver, Total	86	-	75-124	-	
Sodium, Total	88	-	72-127	-	
Thallium, Total	85	-	80-120	-	
Vanadium, Total	83	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG792528-2 SRM Lot Number: D088-540					
Zinc, Total	84	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG791766-4 QC Sample: L1512507-08 Client ID: MS Sample												
Mercury, Total	0.05J	0.202	0.36	**178**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792528-4 QC Sample: L1512796-01 Client ID: MS Sample										
Aluminum, Total	6900	181	7500	**332**	Q	-	-	75-125	-	20
Antimony, Total	ND	45.2	34	75		-	-	75-125	-	20
Arsenic, Total	8.0	10.8	18	92		-	-	75-125	-	20
Barium, Total	26.	181	180	85		-	-	75-125	-	20
Beryllium, Total	0.71	4.52	4.6	86		-	-	75-125	-	20
Cadmium, Total	ND	4.61	4.5	98		-	-	75-125	-	20
Calcium, Total	1300	904	2000	77		-	-	75-125	-	20
Chromium, Total	89.	18.1	100	**61**	Q	-	-	75-125	-	20
Cobalt, Total	3.6	45.2	40	80		-	-	75-125	-	20
Copper, Total	1.3	22.6	22	92		-	-	75-125	-	20
Iron, Total	48000	90.4	50000	**2210**	Q	-	-	75-125	-	20
Lead, Total	ND	46.1	26	**56**	Q	-	-	75-125	-	20
Magnesium, Total	740	904	1400	**73**	Q	-	-	75-125	-	20
Manganese, Total	120	45.2	140	**44**	Q	-	-	75-125	-	20
Nickel, Total	11.	45.2	46	77		-	-	75-125	-	20
Potassium, Total	1500	904	2400	100		-	-	75-125	-	20
Selenium, Total	ND	10.8	9.4	87		-	-	75-125	-	20
Silver, Total	ND	27.1	24	88		-	-	75-125	-	20
Sodium, Total	27.J	904	860	95		-	-	75-125	-	20
Thallium, Total	ND	10.8	8.2	76		-	-	75-125	-	20
Vanadium, Total	130	45.2	170	88		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792528-4 QC Sample: L1512796-01 Client ID: MS Sample									
Zinc, Total	58.	45.2	95	82	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG791766-3 QC Sample: L1512507-08 Client ID: DUP Sample						
Mercury, Total	0.05J	0.05J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792528-3 QC Sample: L1512796-01 Client ID: DUP Sample						
Aluminum, Total	6900	8000	mg/kg	15		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	8.0	8.2	mg/kg	2		20
Barium, Total	26.	30	mg/kg	14		20
Beryllium, Total	0.71	0.78	mg/kg	9		20
Calcium, Total	1300	1600	mg/kg	**21**	Q	20
Chromium, Total	89.	100	mg/kg	12		20
Cobalt, Total	3.6	3.8	mg/kg	5		20
Copper, Total	1.3	1.4	mg/kg	7		20
Iron, Total	48000	54000	mg/kg	12		20
Lead, Total	ND	ND	mg/kg	NC		20
Magnesium, Total	740	820	mg/kg	10		20
Manganese, Total	120	130	mg/kg	8		20
Nickel, Total	11.	12	mg/kg	9		20
Potassium, Total	1500	1500	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	27.J	31J	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792528-3 QC Sample: L1512796-01 Client ID: DUP Sample					
Vanadium, Total	130	140	mg/kg	7	20
Zinc, Total	58.	65	mg/kg	11	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

SAMPLE RESULTS

Lab ID: L1512712-01
Client ID: SB-09 (0-2)
Sample Location: 5 BAY ST., STATEN ISLAND, NY
Matrix: Soil

Date Collected: 06/08/15 10:15
Date Received: 06/08/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	06/09/15 21:17	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792080-1 QC Sample: L1512605-02 Client ID: DUP Sample						
Solids, Total	87.6	85.8	%	2		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512712
Report Date: 06/15/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/09/2015 02:05

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512712-01A	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1512712-01B	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1512712-01C	5 gram Encore Sampler	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1512712-01D	Plastic 2oz unpreserved for TS	B	N/A	3.5	Y	Absent	TS(7)
L1512712-01E	Glass 250ml/8oz unpreserved	B	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1512712-01X	Vial unpreserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1512712-01Y	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1512712-01Z	Vial Water preserved split	B	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1512712-02A	Vial HCl preserved	B	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1512712-02B	Vial HCl preserved	B	N/A	3.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1512712
Project Number:	1637.0001Y003	**Report Date:**	06/15/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1512712
Project Number:	1637.0001Y003	**Report Date:**	06/15/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512712
Project Number: 1637.0001Y003 **Report Date:** 06/15/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/8/15

ALPHA Job #: L1512712

Client Information

Client: Roux Associates Inc
Address: 209 Shafter St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@roux-inc.com

Project Information

Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.00.01Y003
(Use Project name as Project #) ☐
Project Manager: Jess Collins Alpha: Karyn Kuzyum
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL 14 NYTCL8081 8270SIM Tech NY	TS	NYTCL 8260						Sample Specific Comments	Total Bottle
12712 - 01	SB.09 (0-2)	6/8/15	1015	S	RK	X	X	X							5
	Trip Blank	6/8/15		W	MF			X							2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Container Type	A	A	E	V				
Preservative	A	A	A	B				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/8/15 1545	Daniel Eischen AAL	6/8/15 15:45
Daniel Eischen/AAL	6/8/15 1900	Tom Tobin	6-8-15 1900
Tom Tobin		AAL	6/8/15 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512853
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/17/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512853-01	SB-12 (0-2)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/09/15 13:52	06/09/15
L1512853-02	SB-11 (0-2)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/09/15 08:52	06/09/15
L1512853-03	TRIP BLANK	WATER	5 BAY STREET, STATEN ISLAND, NY	06/09/15 00:00	06/09/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853
Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853
Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1512853-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/17/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-01	Date Collected:	06/09/15 13:52
Client ID:	SB-12 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/15/15 14:01		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.36	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.14	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01 Date Collected: 06/09/15 13:52

Client ID: SB-12 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.24	1
o-Xylene	ND		ug/kg	2.5	0.21	1
Xylenes, Total	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	ND		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01 Date Collected: 06/09/15 13:52

Client ID: SB-12 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	110		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/15/15 14:27		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-02 Date Collected: 06/09/15 08:52

Client ID: SB-11 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.31	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-02 Date Collected: 06/09/15 08:52

Client ID: SB-11 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**131**	Q	70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	110		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-03	Date Collected:	06/09/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/14/15 16:30		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-03 Date Collected: 06/09/15 00:00

Client ID: TRIP BLANK Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-03 Date Collected: 06/09/15 00:00

Client ID: TRIP BLANK Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/15 09:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793548-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/15 09:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793548-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/15 09:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793548-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/14/15 09:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793548-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794007-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794007-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794007-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:44
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794007-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793548-1 WG793548-2								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	106		108		70-130	2		20
Chloroform	102		103		70-130	1		20
2-Chloroethylvinyl ether	101		103		70-130	2		20
Carbon tetrachloride	89		93		63-132	4		20
1,2-Dichloropropane	106		107		70-130	1		20
Dibromochloromethane	91		95		63-130	4		20
1,1,2-Trichloroethane	118		112		70-130	5		20
Tetrachloroethene	92		93		70-130	1		20
Chlorobenzene	97		97		75-130	0		20
Trichlorofluoromethane	118		125		62-150	6		20
1,2-Dichloroethane	112		114		70-130	2		20
1,1,1-Trichloroethane	95		98		67-130	3		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	100		104		70-130	4		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	99		102		70-130	3		20
Bromoform	91		97		54-136	6		20
1,1,2,2-Tetrachloroethane	113		117		67-130	3		20
Benzene	101		98		70-130	3		20
Toluene	112		99		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793548-1 WG793548-2								
Ethylbenzene	102		101		70-130	1		20
Chloromethane	120		112		64-130	7		20
Bromomethane	104		102		39-139	2		20
Vinyl chloride	110		114		55-140	4		20
Chloroethane	129		131		55-138	2		20
1,1-Dichloroethene	95		97		61-145	2		20
trans-1,2-Dichloroethene	94		97		70-130	3		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	100		102		70-130	2		20
1,3-Dichlorobenzene	100		101		70-130	1		20
1,4-Dichlorobenzene	99		102		70-130	3		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	98		97		70-130	1		20
o-Xylene	98		98		70-130	0		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Dibromomethane	102		106		70-130	4		20
1,2,3-Trichloropropane	117		120		64-130	3		20
Acrylonitrile	114		112		70-130	2		20
Diisopropyl Ether	117		118		70-130	1		20
Tert-Butyl Alcohol	102		104		70-130	2		20
Styrene	98		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793548-1 WG793548-2								
Dichlorodifluoromethane	95		98		36-147	3		20
Acetone	**150**	Q	105		58-148	**35**	Q	20
Carbon disulfide	97		91		51-130	6		20
2-Butanone	**150**	Q	**141**	Q	63-138	6		20
Vinyl acetate	119		121		70-130	2		20
4-Methyl-2-pentanone	101		104		59-130	3		20
2-Hexanone	114		117		57-130	3		20
Acrolein	**162**	Q	131		40-160	**21**	Q	20
Bromochloromethane	93		96		70-130	3		20
2,2-Dichloropropane	98		99		63-133	1		20
1,2-Dibromoethane	100		102		70-130	2		20
1,3-Dichloropropane	108		112		70-130	4		20
1,1,1,2-Tetrachloroethane	94		95		64-130	1		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	104		104		53-136	0		20
sec-Butylbenzene	102		100		70-130	2		20
tert-Butylbenzene	99		97		70-130	2		20
o-Chlorotoluene	108		105		70-130	3		20
p-Chlorotoluene	107		108		70-130	1		20
1,2-Dibromo-3-chloropropane	106		115		41-144	8		20
Hexachlorobutadiene	81		86		63-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793548-1 WG793548-2								
Isopropylbenzene	101		101		70-130	0		20
p-Isopropyltoluene	98		97		70-130	1		20
Naphthalene	94		116		70-130	**21**	Q	20
n-Propylbenzene	107		105		69-130	2		20
1,2,3-Trichlorobenzene	79		96		70-130	19		20
1,2,4-Trichlorobenzene	81		93		70-130	14		20
1,3,5-Trimethylbenzene	104		102		64-130	2		20
1,2,4-Trimethylbenzene	105		103		70-130	2		20
Methyl Acetate	127		126		70-130	1		20
Ethyl Acetate	**144**	Q	113		70-130	**24**	Q	20
Cyclohexane	113		108		70-130	5		20
Ethyl-Tert-Butyl-Ether	102		103		70-130	1		20
Tertiary-Amyl Methyl Ether	92		94		66-130	2		20
1,4-Dioxane	89		83		56-162	7		20
Freon-113	94		99		70-130	5		20
p-Diethylbenzene	93		95		70-130	2		20
p-Ethyltoluene	102		101		70-130	1		20
1,2,4,5-Tetramethylbenzene	98		102		70-130	4		20
Ethyl ether	113		119		59-134	5		20
trans-1,4-Dichloro-2-butene	121		127		70-130	5		20
Iodomethane	**25**	Q	**31**	Q	70-130	**21**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793548-1 WG793548-2								
Methyl cyclohexane	99		95		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		119		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	110		109		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794007-1 WG794007-2								
Methylene chloride	93		92		70-130	1		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	101		96		70-130	5		30
1,2-Dichloropropane	90		91		70-130	1		30
Dibromochloromethane	97		98		70-130	1		30
2-Chloroethylvinyl ether	80		85		70-130	6		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	111		105		70-130	6		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	104		96		70-139	8		30
1,2-Dichloroethane	98		98		70-130	0		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	92		92		70-130	0		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	91		91		70-130	0		30
1,1-Dichloropropene	96		92		70-130	4		30
Bromoform	100		100		70-130	0		30
1,1,2,2-Tetrachloroethane	96		98		70-130	2		30
Benzene	94		92		70-130	2		30
Toluene	100		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794007-1 WG794007-2								
Ethylbenzene	100		98		70-130	2		30
Chloromethane	98		89		52-130	10		30
Bromomethane	109		108		57-147	1		30
Vinyl chloride	90		83		67-130	8		30
Chloroethane	105		102		50-151	3		30
1,1-Dichloroethene	96		90		65-135	6		30
trans-1,2-Dichloroethene	96		92		70-130	4		30
Trichloroethene	99		96		70-130	3		30
1,2-Dichlorobenzene	104		103		70-130	1		30
1,3-Dichlorobenzene	107		106		70-130	1		30
1,4-Dichlorobenzene	106		105		70-130	1		30
Methyl tert butyl ether	92		91		66-130	1		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	100		99		70-130	1		30
cis-1,2-Dichloroethene	97		94		70-130	3		30
Dibromomethane	91		92		70-130	1		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	79		72		30-146	9		30
Acetone	97		99		54-140	2		30
Carbon disulfide	77		71		59-130	8		30
2-Butanone	90		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794007-1 WG794007-2								
Vinyl acetate	77		76		70-130	1		30
4-Methyl-2-pentanone	78		80		70-130	3		30
1,2,3-Trichloropropane	98		98		68-130	0		30
2-Hexanone	74		76		70-130	3		30
Bromochloromethane	102		100		70-130	2		30
2,2-Dichloropropane	96		92		70-130	4		30
1,2-Dibromoethane	97		99		70-130	2		30
1,3-Dichloropropane	96		96		69-130	0		30
1,1,1,2-Tetrachloroethane	102		100		70-130	2		30
Bromobenzene	104		102		70-130	2		30
n-Butylbenzene	108		104		70-130	4		30
sec-Butylbenzene	103		100		70-130	3		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	104		100		70-130	4		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	82		81		68-130	1		30
Hexachlorobutadiene	100		98		67-130	2		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	104		100		70-130	4		30
Naphthalene	91		93		70-130	2		30
Acrylonitrile	97		90		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794007-1 WG794007-2								
Diisopropyl Ether	89		89		66-130	0		30
Tert-Butyl Alcohol	82		80		70-130	2		30
n-Propylbenzene	104		99		70-130	5		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	102		102		70-130	0		30
1,3,5-Trimethylbenzene	102		100		70-130	2		30
1,2,4-Trimethylbenzene	102		99		70-130	3		30
Methyl Acetate	91		90		51-146	1		30
Ethyl Acetate	85		84		70-130	1		30
Acrolein	74		72		70-130	3		30
Cyclohexane	95		90		59-142	5		30
1,4-Dioxane	91		94		65-136	3		30
Freon-113	106		97		50-139	9		30
p-Diethylbenzene	105		103		70-130	2		30
p-Ethyltoluene	107		103		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		98		70-130	1		30
Tetrahydrofuran	90		87		66-130	3		30
Ethyl ether	96		95		67-130	1		30
trans-1,4-Dichloro-2-butene	99		96		70-130	3		30
Methyl cyclohexane	96		90		70-130	6		30
Ethyl-Tert-Butyl-Ether	90		90		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794007-1 WG794007-2								
Tertiary-Amyl Methyl Ether	85		86		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	103		104		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-01	Date Collected:	06/09/15 13:52
Client ID:	SB-12 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/11/15 19:17
Analytical Date:	06/12/15 22:08		
Analyst:	MY		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	65.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	230		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	40.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01 Date Collected: 06/09/15 13:52

Client ID: SB-12 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	110	J	ug/kg	120	40.	1
Benzo(a)pyrene	96	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	120		ug/kg	120	41.	1
Benzo(k)fluoranthene	49	J	ug/kg	120	39.	1
Chrysene	110	J	ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	35	J	ug/kg	120	34.	1
Benzo(ghi)perylene	63	J	ug/kg	160	43.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	150		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	64	J	ug/kg	160	46.	1
Pyrene	200		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	57.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01 Date Collected: 06/09/15 13:52

Client ID: SB-12 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	79		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/11/15 19:17
Analytical Date:	06/12/15 22:34		
Analyst:	MY		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	120		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	1700		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	200		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-02 Date Collected: 06/09/15 08:52

Client ID: SB-11 (0-2) Date Received: 06/09/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	94	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	160		ug/kg	110	38.	1
Benzo(k)fluoranthene	72	J	ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	57	J	ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	42	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	70	J	ug/kg	150	42.	1
Pyrene	140		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	63		18-120

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/15 09:37
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/11/15 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG792858-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	320	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/15 09:37
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/11/15 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG792858-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/15 09:37
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/11/15 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG792858-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/15 09:37
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/11/15 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG792858-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG792858-2 WG792858-3								
Acenaphthene	84		76		31-137	10		50
Benzidine	50		44		10-66	13		50
n-Nitrosodimethylamine	69		62		22-100	11		50
1,2,4-Trichlorobenzene	79		71		38-107	11		50
Hexachlorobenzene	92		84		40-140	9		50
Bis(2-chloroethyl)ether	76		70		40-140	8		50
2-Chloronaphthalene	87		79		40-140	10		50
1,2-Dichlorobenzene	79		72		40-140	9		50
1,3-Dichlorobenzene	78		69		40-140	12		50
1,4-Dichlorobenzene	77		69		28-104	11		50
3,3'-Dichlorobenzidine	98		85		40-140	14		50
2,4-Dinitrotoluene	**94**	Q	84		28-89	11		50
2,6-Dinitrotoluene	92		84		40-140	9		50
Fluoranthene	92		84		40-140	9		50
4-Chlorophenyl phenyl ether	88		78		40-140	12		50
4-Bromophenyl phenyl ether	96		84		40-140	13		50
Azobenzene	80		72		40-140	11		50
Bis(2-chloroisopropyl)ether	79		68		40-140	15		50
Bis(2-chloroethoxy)methane	82		74		40-117	10		50
Hexachlorobutadiene	78		69		40-140	12		50
Hexachlorocyclopentadiene	101		93		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG792858-2 WG792858-3								
Hexachloroethane	70		64		40-140	9		50
Isophorone	83		75		40-140	10		50
Naphthalene	83		75		40-140	10		50
Nitrobenzene	73		67		40-140	9		50
NitrosoDiPhenylAmine(NDPA)/DPA	92		82		36-157	11		50
n-Nitrosodi-n-propylamine	78		70		32-121	11		50
Bis(2-Ethylhexyl)phthalate	95		86		40-140	10		50
Butyl benzyl phthalate	97		87		40-140	11		50
Di-n-butylphthalate	91		82		40-140	10		50
Di-n-octylphthalate	102		90		40-140	13		50
Diethyl phthalate	85		76		40-140	11		50
Dimethyl phthalate	89		79		40-140	12		50
Benzo(a)anthracene	88		80		40-140	10		50
Benzo(a)pyrene	92		82		40-140	11		50
Benzo(b)fluoranthene	93		85		40-140	9		50
Benzo(k)fluoranthene	80		72		40-140	11		50
Chrysene	83		75		40-140	10		50
Acenaphthylene	91		82		40-140	10		50
Anthracene	92		84		40-140	9		50
Benzo(ghi)perylene	90		80		40-140	12		50
Fluorene	90		81		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG792858-2 WG792858-3								
Phenanthrene	85		77		40-140	10		50
Dibenzo(a,h)anthracene	92		84		40-140	9		50
Indeno(1,2,3-cd)Pyrene	89		81		40-140	9		50
Pyrene	90		82		35-142	9		50
Biphenyl	86		78		54-104	10		50
Aniline	59		53		40-140	11		50
4-Chloroaniline	78		73		40-140	7		50
2-Nitroaniline	96		87		47-134	10		50
3-Nitroaniline	79		69		26-129	14		50
4-Nitroaniline	92		80		41-125	14		50
Dibenzofuran	88		80		40-140	10		50
2-Methylnaphthalene	85		76		40-140	11		50
1,2,4,5-Tetrachlorobenzene	83		76		40-117	9		50
Acetophenone	81		72		14-144	12		50
2,4,6-Trichlorophenol	91		80		30-130	13		50
P-Chloro-M-Cresol	88		79		26-103	11		50
2-Chlorophenol	82		74		25-102	10		50
2,4-Dichlorophenol	87		79		30-130	10		50
2,4-Dimethylphenol	92		82		30-130	11		50
2-Nitrophenol	90		81		30-130	11		50
4-Nitrophenol	80		72		11-114	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG792858-2 WG792858-3								
2,4-Dinitrophenol	73		65		4-130	12		50
4,6-Dinitro-o-cresol	95		83		10-130	13		50
Pentachlorophenol	98		88		17-109	11		50
Phenol	80		72		26-90	11		50
2-Methylphenol	85		76		30-130.	11		50
3-Methylphenol/4-Methylphenol	87		78		30-130	11		50
2,4,5-Trichlorophenol	90		82		30-130	9		50
Benzoic Acid	31		24		10-66	25		50
Benzyl Alcohol	81		74		40-140	9		50
Carbazole	88		81		54-128	8		50
Benzaldehyde	84		74		40-140	13		50
Caprolactam	85		77		15-130	10		50
Atrazine	115		104		40-140	10		50
2,3,4,6-Tetrachlorophenol	93		84		40-140	10		50
Pyridine	42		37		10-93	13		50
Parathion, ethyl	112		99		40-140	12		50
1-Methylnaphthalene	73		66		26-130	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG792858-2 WG792858-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		71		25-120
Phenol-d6	83		74		10-120
Nitrobenzene-d5	76		68		23-120
2-Fluorobiphenyl	87		81		30-120
2,4,6-Tribromophenol	95		88		10-136
4-Terphenyl-d14	98		88		18-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-01	Date Collected:	06/09/15 13:52
Client ID:	SB-12 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/11/15 16:25
Analytical Date:	06/12/15 16:50	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/12/15
Percent Solids:	79%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/12/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.22	1	A
Aroclor 1221	ND		ug/kg	40.8	3.76	1	A
Aroclor 1232	ND		ug/kg	40.8	4.78	1	A
Aroclor 1242	ND		ug/kg	40.8	5.00	1	A
Aroclor 1248	ND		ug/kg	40.8	3.44	1	A
Aroclor 1254	ND		ug/kg	40.8	3.35	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.02	1	A
Aroclor 1268	ND		ug/kg	40.8	5.92	1	A
PCBs, Total	ND		ug/kg	40.8	2.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/11/15 16:25
Analytical Date:	06/12/15 17:05	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/12/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/12/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.91	1	A
Aroclor 1221	ND		ug/kg	36.8	3.40	1	A
Aroclor 1232	ND		ug/kg	36.8	4.32	1	A
Aroclor 1242	ND		ug/kg	36.8	4.51	1	A
Aroclor 1248	ND		ug/kg	36.8	3.11	1	A
Aroclor 1254	ND		ug/kg	36.8	3.03	1	A
Aroclor 1260	ND		ug/kg	36.8	2.81	1	A
Aroclor 1262	ND		ug/kg	36.8	1.83	1	A
Aroclor 1268	ND		ug/kg	36.8	5.34	1	A
PCBs, Total	ND		ug/kg	36.8	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1512853

Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/15 19:28
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/11/15 16:25
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG792811-1						
Aroclor 1016	ND		ug/kg	31.7	2.51	A
Aroclor 1221	ND		ug/kg	31.7	2.92	A
Aroclor 1232	ND		ug/kg	31.7	3.72	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.68	A
Aroclor 1254	ND		ug/kg	31.7	2.61	A
Aroclor 1260	ND		ug/kg	31.7	2.42	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.60	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG792811-2 WG792811-3									
Aroclor 1016	79		84		40-140	6		50	A
Aroclor 1260	52		58		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	48		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		81		30-150	B
Decachlorobiphenyl	67		74		30-150	B

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-01	Date Collected:	06/09/15 13:52
Client ID:	SB-12 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/12/15 12:56
Analytical Date:	06/17/15 16:35	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/13/15
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.389	1	A
Lindane	ND		ug/kg	0.828	0.370	1	A
Alpha-BHC	ND		ug/kg	0.828	0.235	1	A
Beta-BHC	ND		ug/kg	1.99	0.754	1	A
Heptachlor	ND		ug/kg	0.994	0.445	1	A
Aldrin	ND		ug/kg	1.99	0.700	1	A
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.828	0.339	1	A
Endrin ketone	ND		ug/kg	1.99	0.512	1	A
Dieldrin	155		ug/kg	1.24	0.621	1	B
4,4'-DDE	8.44		ug/kg	1.99	0.460	1	B
4,4'-DDD	ND		ug/kg	1.99	0.709	1	A
4,4'-DDT	5.98		ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.469	1	A
Endosulfan II	ND		ug/kg	1.99	0.664	1	A
Endosulfan sulfate	ND		ug/kg	0.828	0.394	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	3.80		ug/kg	2.48	0.692	1	A
trans-Chlordane	2.22	JPI	ug/kg	2.48	0.656	1	A
Chlordane	13.7	JPI	ug/kg	16.1	6.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	108		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/12/15 12:56
Analytical Date:	06/17/15 16:50	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/13/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.766	0.342	1	A
Alpha-BHC	ND		ug/kg	0.766	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.697	1	A
Heptachlor	7.44		ug/kg	0.919	0.412	1	B
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	25.5		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.766	0.314	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	127		ug/kg	1.15	0.574	1	A
4,4'-DDE	12.8		ug/kg	1.84	0.425	1	B
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	14.3		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.766	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.65	1	A
cis-Chlordane	377	E	ug/kg	2.30	0.640	1	A
trans-Chlordane	214	E	ug/kg	2.30	0.606	1	A
Chlordane	1290		ug/kg	14.9	6.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	121		30-150	A

Project Name: LIGHTHOUSE POINT
Lab Number: L1512853
Project Number: 1637.0001Y003
Report Date: 06/17/15

SAMPLE RESULTS

Lab ID:	L1512853-02 D	Date Collected:	06/09/15 08:52
Client ID:	SB-11 (0-2)	Date Received:	06/09/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/12/15 12:56
Analytical Date:	06/17/15 17:11	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/13/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
cis-Chlordane	165	PI	ug/kg	11.5	3.20	5	B
trans-Chlordane	198		ug/kg	11.5	3.03	5	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/17/15 15:48
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/12/15 12:54
Cleanup Method: EPA 3620B
Cleanup Date: 06/13/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG793113-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
Toxaphene	ND		ug/kg	29.5	8.27	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	12.8	5.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	122		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG793113-2 WG793113-3									
Delta-BHC	65		62		30-150	5		30	A
Lindane	88		84		30-150	5		30	A
Alpha-BHC	93		89		30-150	4		30	A
Beta-BHC	85		79		30-150	7		30	A
Heptachlor	97		90		30-150	7		30	A
Aldrin	94		92		30-150	2		30	A
Heptachlor epoxide	90		87		30-150	3		30	A
Endrin	109		104		30-150	5		30	A
Endrin ketone	85		78		30-150	9		30	A
Dieldrin	100		96		30-150	4		30	A
4,4'-DDE	101		98		30-150	3		30	A
4,4'-DDD	100		93		30-150	7		30	A
4,4'-DDT	103		92		30-150	11		30	A
Endosulfan I	83		80		30-150	4		30	A
Endosulfan II	93		88		30-150	6		30	A
Endosulfan sulfate	76		70		30-150	8		30	A
Methoxychlor	91		80		30-150	13		30	A
cis-Chlordane	93		90		30-150	3		30	A
trans-Chlordane	94		90		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1512853

Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG793113-2 WG793113-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		81		30-150	B
Decachlorobiphenyl	101		104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		81		30-150	A
Decachlorobiphenyl	111		110		30-150	A

METALS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01
Client ID: SB-12 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 79%

Date Collected: 06/09/15 13:52
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600		mg/kg	9.7	1.9	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Antimony, Total	19		mg/kg	4.8	0.78	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Arsenic, Total	16		mg/kg	0.97	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Barium, Total	82		mg/kg	0.97	0.29	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Beryllium, Total	0.56		mg/kg	0.48	0.10	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Cadmium, Total	0.45	J	mg/kg	0.97	0.07	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Calcium, Total	1400		mg/kg	9.7	2.9	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.97	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Cobalt, Total	7.6		mg/kg	1.9	0.48	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Copper, Total	100		mg/kg	0.97	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.8	1.9	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Lead, Total	190		mg/kg	4.8	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Magnesium, Total	3300		mg/kg	9.7	0.97	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Manganese, Total	430		mg/kg	0.97	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Mercury, Total	0.47		mg/kg	0.09	0.02	1	06/11/15 05:26	06/11/15 17:35	EPA 7471B	1,7471B	DB
Nickel, Total	80		mg/kg	2.4	0.39	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Potassium, Total	380		mg/kg	240	39.	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Selenium, Total	0.62	J	mg/kg	1.9	0.29	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.97	0.19	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Sodium, Total	69	J	mg/kg	190	29.	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.9	0.39	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Vanadium, Total	32		mg/kg	0.97	0.10	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	4.8	0.68	2	06/11/15 18:22	06/15/15 18:33	EPA 3050B	1,6010C	TT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1512853
Report Date: 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-02
Client ID: SB-11 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/09/15 08:52
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	9.0	1.8	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Antimony, Total	6.6		mg/kg	4.5	0.72	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Arsenic, Total	10		mg/kg	0.90	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Barium, Total	52		mg/kg	0.90	0.27	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.41	J	mg/kg	0.45	0.09	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.26	J	mg/kg	0.90	0.06	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Calcium, Total	5600		mg/kg	9.0	2.7	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Chromium, Total	20		mg/kg	0.90	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Cobalt, Total	9.4		mg/kg	1.8	0.45	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Copper, Total	40		mg/kg	0.90	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Iron, Total	14000		mg/kg	4.5	1.8	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Lead, Total	170		mg/kg	4.5	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Magnesium, Total	4600		mg/kg	9.0	0.90	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Manganese, Total	300		mg/kg	0.90	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.28		mg/kg	0.07	0.02	1	06/11/15 05:26	06/11/15 17:37	EPA 7471B	1,7471B	DB
Nickel, Total	93		mg/kg	2.2	0.36	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	220	36.	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.8	0.27	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.90	0.18	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Sodium, Total	97	J	mg/kg	180	27.	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.8	0.36	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Vanadium, Total	23		mg/kg	0.90	0.09	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT
Zinc, Total	120		mg/kg	4.5	0.63	2	06/11/15 18:22	06/15/15 18:36	EPA 3050B	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG792548-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/11/15 05:26	06/11/15 15:46	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG792736-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Calcium, Total	1.5	J	mg/kg	4.0	1.2	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Chromium, Total	0.08	J	mg/kg	0.40	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Iron, Total	1.1	J	mg/kg	2.0	0.80	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/11/15 18:22	06/12/15 12:09	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853

Project Number: 1637.0001Y003 **Report Date:** 06/17/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG792548-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG792736-2 SRM Lot Number: D088-540					
Aluminum, Total	78	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	94	-	83-117	-	
Cadmium, Total	93	-	83-117	-	
Calcium, Total	85	-	81-119	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	90	-	81-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	91	-	81-118	-	
Nickel, Total	92	-	83-117	-	
Potassium, Total	86	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	96	-	75-124	-	
Sodium, Total	90	-	72-127	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	91	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG792736-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792548-4 QC Sample: L1512963-01 Client ID: MS Sample												
Mercury, Total	0.15	0.178	0.47	**180**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792736-4 QC Sample: L1512984-01 Client ID: MS Sample										
Aluminum, Total	8300	174	9800	**860**	Q	-	-	75-125	-	20
Antimony, Total	ND	43.6	31	**71**	Q	-	-	75-125	-	20
Arsenic, Total	6.8	10.5	14	**69**	Q	-	-	75-125	-	20
Barium, Total	76.	174	900	**473**	Q	-	-	75-125	-	20
Beryllium, Total	0.26	4.36	3.7	79		-	-	75-125	-	20
Cadmium, Total	0.06J	4.45	3.6	81		-	-	75-125	-	20
Calcium, Total	3300	872	10000	**768**	Q	-	-	75-125	-	20
Chromium, Total	15.	17.4	29	80		-	-	75-125	-	20
Cobalt, Total	5.5	43.6	38	**74**	Q	-	-	75-125	-	20
Copper, Total	34.	21.8	85	**234**	Q	-	-	75-125	-	20
Iron, Total	13000	87.2	14000	**1150**	Q	-	-	75-125	-	20
Lead, Total	63.	44.5	96	**74**	Q	-	-	75-125	-	20
Magnesium, Total	2900	872	3800	103		-	-	75-125	-	20
Manganese, Total	300	43.6	290	**0**	Q	-	-	75-125	-	20
Nickel, Total	11.	43.6	42	**71**	Q	-	-	75-125	-	20
Potassium, Total	1000	872	1800	92		-	-	75-125	-	20
Selenium, Total	ND	10.5	8.7	83		-	-	75-125	-	20
Silver, Total	ND	26.2	22	84		-	-	75-125	-	20
Sodium, Total	310	872	1100	91		-	-	75-125	-	20
Thallium, Total	ND	10.5	7.0	**67**	Q	-	-	75-125	-	20
Vanadium, Total	18.	43.6	57	89		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792736-4 QC Sample: L1512984-01 Client ID: MS Sample										
Zinc, Total	97.	43.6	110	**30**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792548-3 QC Sample: L1512963-01 Client ID: DUP Sample						
Mercury, Total	0.15	0.20	mg/kg	**29**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792736-3 QC Sample: L1512984-01 Client ID: DUP Sample						
Aluminum, Total	8300	8300	mg/kg	0		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.8	4.9	mg/kg	**32**	Q	20
Barium, Total	76.	78	mg/kg	3		20
Beryllium, Total	0.26	0.24	mg/kg	8		20
Cadmium, Total	0.06J	0.06J	mg/kg	NC		20
Chromium, Total	15.	14	mg/kg	7		20
Cobalt, Total	5.5	4.9	mg/kg	12		20
Copper, Total	34.	52	mg/kg	**42**	Q	20
Iron, Total	13000	13000	mg/kg	0		20
Lead, Total	63.	61	mg/kg	3		20
Manganese, Total	300	260	mg/kg	14		20
Nickel, Total	11.	10	mg/kg	10		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	18.	19	mg/kg	5		20
Zinc, Total	97.	78	mg/kg	**22**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-01
Client ID: SB-12 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/09/15 13:52
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	06/10/15 22:12	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

SAMPLE RESULTS

Lab ID: L1512853-02
Client ID: SB-11 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/09/15 08:52
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	06/10/15 22:12	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG792486-1 QC Sample: L1512799-01 Client ID: DUP Sample						
Solids, Total	82.0	82.3	%	0		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/10/2015 00:18

Cooler Information	Custody Seal
Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512853-01A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-01B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-01C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-01D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1512853-01E	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1512853-01X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-01Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-01Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-02A	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-02B	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-02C	5 gram Encore Sampler	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1512853-02D	Plastic 2oz unpreserved for TS	B	N/A	2.1	Y	Absent	TS(7)
L1512853-02E	Glass 250ml/8oz unpreserved	B	N/A	2.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1512853
Report Date: 06/17/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512853-02X	Vial MeOH preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-02Y	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-02Z	Vial Water preserved split	B	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1512853-03A	Vial HCl preserved	B	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1512853-03B	Vial HCl preserved	B	N/A	2.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1512853
Project Number:	1637.0001Y003	**Report Date:**	06/17/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1512853
Project Number:	1637.0001Y003	**Report Date:**	06/17/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1512853
Project Number: 1637.0001Y003 **Report Date:** 06/17/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/9/15

ALPHA Job #: L1512853

Client Information

Client: Hope Associates, Inc
Address: 209 Shaffer St
Islandia NY 11749
Phone: 631.232 2600
Fax: 631.232 9898
Email: jcollins@roexinc.com

Project Information

Project Name: Lighthouse Point
Project Location: 5 Bay Street Staten Island NY
Project #: 1657.0001Y003
(Use Project name as Project #) ☐
Project Manager: Jesse Collins Alpha: Karyn Raymond
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Hg, NYTCL 8081 8270SIM TCLP NYTCL	TS	NYTCL 8260	NYTCL 8260					Sample Specific Comments	Total Bottle
12853 -01	SB-12(0-2)	6/9/15	1352	S	AM	X	X	X							5
-02	SB-11 (0-2)	6/9/15	0852	S	AM	X	X	X							5
-03	Trip Blank	6/9/15		W	JH				X						2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	E	V				
Preservative	A	A	A	B				

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/9/15 1550	[illegible] AAL	6/9/15 1550
[illegible]	6/9/15 1830	Tom Tosen	6-9-15 1830
Tom Tosen	6-9-15 2155	Graham Phillips	6/9/15 2155

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1513002
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/18/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513002-01	SB-10 (0-2)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/10/15 08:32	06/10/15
L1513002-02	TRIP BLANK	WATER	5 BAY STREET, STATEN ISLAND, NY	06/10/15 00:00	06/10/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002
Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002
Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Case Narrative (continued)

Report Submission

The samples were logged per project history.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG793465-2 LCS recovery, associated with L1513002-01, is below the acceptance criteria for benzoic acid (8%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Metals

L1513002-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/18/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID:	L1513002-01	Date Collected:	06/10/15 08:32
Client ID:	SB-10 (0-2)	Date Received:	06/10/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/16/15 01:10		
Analyst:	MS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.11	1
Chloroform	ND		ug/kg	2.0	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.18	1
Bromoform	ND		ug/kg	5.2	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.3	0.17	1
Chloromethane	ND		ug/kg	6.6	0.38	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.20	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01 Date Collected: 06/10/15 08:32

Client ID: SB-10 (0-2) Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.26	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylenes, Total	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.53	1
Dichlorodifluoromethane	ND		ug/kg	13	0.25	1
Acetone	ND		ug/kg	13	1.4	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.36	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.87	1
Bromochloromethane	ND		ug/kg	6.6	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.6	0.18	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	0.52	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.30	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.6	0.18	1
Acrylonitrile	ND		ug/kg	13	0.67	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01 Date Collected: 06/10/15 08:32

Client ID: SB-10 (0-2) Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.18	1
1,4-Dioxane	ND		ug/kg	130	19.	1
p-Diethylbenzene	ND		ug/kg	5.2	0.21	1
p-Ethyltoluene	ND		ug/kg	5.2	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID:	L1513002-02	Date Collected:	06/10/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/10/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/15/15 16:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-02 Date Collected: 06/10/15 00:00

Client ID: TRIP BLANK Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-02 Date Collected: 06/10/15 00:00

Client ID: TRIP BLANK Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG793660-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG793660-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG793660-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 21:39
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793942-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.52	J	ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 21:39
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793942-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 21:39
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793942-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 21:39
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG793942-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG793660-1 WG793660-2								
Methylene chloride	96		99		70-130	3		20
1,1-Dichloroethane	93		96		70-130	3		20
Chloroform	95		98		70-130	3		20
Carbon tetrachloride	96		99		63-132	3		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	93		99		63-130	6		20
1,1,2-Trichloroethane	90		94		70-130	4		20
Tetrachloroethene	103		108		70-130	5		20
Chlorobenzene	99		104		75-130	5		20
Trichlorofluoromethane	97		101		62-150	4		20
1,2-Dichloroethane	83		87		70-130	5		20
1,1,1-Trichloroethane	92		97		67-130	5		20
Bromodichloromethane	90		93		67-130	3		20
trans-1,3-Dichloropropene	84		88		70-130	5		20
cis-1,3-Dichloropropene	90		94		70-130	4		20
1,1-Dichloropropene	95		99		70-130	4		20
Bromoform	87		94		54-136	8		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	97		100		70-130	3		20
Toluene	98		102		70-130	4		20
Ethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG793660-1 WG793660-2								
Chloromethane	80		84		64-130	5		20
Bromomethane	82		84		39-139	2		20
Vinyl chloride	88		90		55-140	2		20
Chloroethane	66		90		55-138	**31**	Q	20
1,1-Dichloroethene	100		104		61-145	4		20
trans-1,2-Dichloroethene	100		104		70-130	4		20
Trichloroethene	98		103		70-130	5		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	98		102		70-130	4		20
1,4-Dichlorobenzene	98		101		70-130	3		20
Methyl tert butyl ether	76		81		63-130	6		20
p/m-Xylene	101		105		70-130	4		20
o-Xylene	100		104		70-130	4		20
cis-1,2-Dichloroethene	98		101		70-130	3		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	84		89		64-130	6		20
Acrylonitrile	73		79		70-130	8		20
Styrene	100		104		70-130	4		20
Dichlorodifluoromethane	95		98		36-147	3		20
Acetone	98		82		58-148	18		20
Carbon disulfide	91		94		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG793660-1 WG793660-2								
2-Butanone	83		86		63-138	4		20
Vinyl acetate	81		84		70-130	4		20
4-Methyl-2-pentanone	71		77		59-130	8		20
2-Hexanone	67		69		57-130	3		20
Bromochloromethane	112		114		70-130	2		20
2,2-Dichloropropane	98		101		63-133	3		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	88		93		70-130	6		20
1,1,1,2-Tetrachloroethane	99		102		64-130	3		20
Bromobenzene	98		102		70-130	4		20
n-Butylbenzene	99		102		53-136	3		20
sec-Butylbenzene	100		103		70-130	3		20
tert-Butylbenzene	99		104		70-130	5		20
o-Chlorotoluene	99		103		70-130	4		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	78		84		41-144	7		20
Hexachlorobutadiene	94		99		63-130	5		20
Isopropylbenzene	97		101		70-130	4		20
p-Isopropyltoluene	101		105		70-130	4		20
Naphthalene	78		85		70-130	9		20
n-Propylbenzene	98		102		69-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG793660-1 WG793660-2								
1,2,3-Trichlorobenzene	86		91		70-130	6		20
1,2,4-Trichlorobenzene	89		94		70-130	5		20
1,3,5-Trimethylbenzene	100		104		64-130	4		20
1,2,4-Trimethylbenzene	99		103		70-130	4		20
1,4-Dioxane	120		127		56-162	6		20
p-Diethylbenzene	101		105		70-130	4		20
p-Ethyltoluene	98		102		70-130	4		20
1,2,4,5-Tetramethylbenzene	96		99		70-130	3		20
Ethyl ether	81		86		59-134	6		20
trans-1,4-Dichloro-2-butene	**59**	Q	**64**	Q	70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		86		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793942-1 WG793942-2								
Methylene chloride	113		**131**	Q	70-130	15		30
1,1-Dichloroethane	111		111		70-130	0		30
Chloroform	99		99		70-130	0		30
Carbon tetrachloride	113		114		70-130	1		30
1,2-Dichloropropane	98		102		70-130	4		30
Dibromochloromethane	94		94		70-130	0		30
1,1,2-Trichloroethane	103		100		70-130	3		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	101		101		70-130	0		30
Trichlorofluoromethane	132		135		70-139	2		30
1,2-Dichloroethane	98		97		70-130	1		30
1,1,1-Trichloroethane	107		108		70-130	1		30
Bromodichloromethane	93		91		70-130	2		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	112		115		70-130	3		30
Bromoform	98		96		70-130	2		30
1,1,2,2-Tetrachloroethane	101		100		70-130	1		30
Benzene	103		103		70-130	0		30
Toluene	103		101		70-130	2		30
Ethylbenzene	103		104		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793942-1 WG793942-2								
Chloromethane	**135**	Q	127		52-130	6		30
Bromomethane	109		123		57-147	12		30
Vinyl chloride	**131**	Q	**140**	Q	67-130	7		30
Chloroethane	124		125		50-151	1		30
1,1-Dichloroethene	118		129		65-135	9		30
trans-1,2-Dichloroethene	129		130		70-130	1		30
Trichloroethene	103		104		70-130	1		30
1,2-Dichlorobenzene	102		101		70-130	1		30
1,3-Dichlorobenzene	103		102		70-130	1		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	108		110		66-130	2		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	104		105		70-130	1		30
Dibromomethane	99		98		70-130	1		30
Styrene	102		100		70-130	2		30
Dichlorodifluoromethane	**173**	Q	**169**	Q	30-146	2		30
Acetone	**150**	Q	**142**	Q	54-140	5		30
Carbon disulfide	116		118		59-130	2		30
2-Butanone	104		102		70-130	2		30
Vinyl acetate	103		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793942-1 WG793942-2								
4-Methyl-2-pentanone	97		95		70-130	2		30
1,2,3-Trichloropropane	99		96		68-130	3		30
2-Hexanone	103		95		70-130	8		30
Bromochloromethane	104		104		70-130	0		30
2,2-Dichloropropane	112		111		70-130	1		30
1,2-Dibromoethane	104		98		70-130	6		30
1,3-Dichloropropane	100		98		69-130	2		30
1,1,1,2-Tetrachloroethane	99		99		70-130	0		30
Bromobenzene	99		98		70-130	1		30
n-Butylbenzene	109		111		70-130	2		30
sec-Butylbenzene	106		108		70-130	2		30
tert-Butylbenzene	100		103		70-130	3		30
o-Chlorotoluene	102		103		70-130	1		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	95		102		68-130	7		30
Hexachlorobutadiene	105		109		67-130	4		30
Isopropylbenzene	105		104		70-130	1		30
p-Isopropyltoluene	106		109		70-130	3		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	103		105		70-130	2		30
Diisopropyl Ether	107		107		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793942-1 WG793942-2								
Tert-Butyl Alcohol	96		98		70-130	2		30
n-Propylbenzene	104		105		70-130	1		30
1,2,3-Trichlorobenzene	102		99		70-130	3		30
1,2,4-Trichlorobenzene	106		106		70-130	0		30
1,3,5-Trimethylbenzene	102		103		70-130	1		30
1,2,4-Trimethylbenzene	102		103		70-130	1		30
Methyl Acetate	122		121		51-146	1		30
Ethyl Acetate	103		102		70-130	1		30
Acrolein	117		115		70-130	2		30
Cyclohexane	136		138		59-142	1		30
1,4-Dioxane	100		92		65-136	8		30
Freon-113	118		126		50-139	7		30
p-Diethylbenzene	100		101		70-130	1		30
p-Ethyltoluene	96		98		70-130	2		30
1,2,4,5-Tetramethylbenzene	98		99		70-130	1		30
Tetrahydrofuran	102		121		66-130	17		30
Ethyl ether	104		110		67-130	6		30
trans-1,4-Dichloro-2-butene	100		99		70-130	1		30
Methyl cyclohexane	121		125		70-130	3		30
Ethyl-Tert-Butyl-Ether	102		104		70-130	2		30
Tertiary-Amyl Methyl Ether	97		97		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG793942-1 WG793942-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	101		98		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID:	L1513002-01	Date Collected:	06/10/15 08:32
Client ID:	SB-10 (0-2)	Date Received:	06/10/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/14/15 01:01
Analytical Date:	06/15/15 17:42		
Analyst:	MY		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	240		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	58	J	ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01 Date Collected: 06/10/15 08:32

Client ID: SB-10 (0-2) Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	100	J	ug/kg	120	41.	1
Benzo(a)pyrene	110	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	160		ug/kg	120	42.	1
Benzo(k)fluoranthene	61	J	ug/kg	120	40.	1
Chrysene	130		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	75	J	ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	110	J	ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	83	J	ug/kg	170	46.	1
Pyrene	220		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	230	J	ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01 Date Collected: 06/10/15 08:32

Client ID: SB-10 (0-2) Date Received: 06/10/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	93		18-120

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/15/15 13:29
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/14/15 01:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG793465-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/15/15 13:29
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/14/15 01:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG793465-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	190	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/15/15 13:29
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/14/15 01:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG793465-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/15/15 13:29
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 06/14/15 01:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG793465-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	99		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG793465-2 WG793465-3								
Acenaphthene	81		83		31-137	2		50
Benzidine	40		38		10-66	5		50
n-Nitrosodimethylamine	57		63		22-100	10		50
1,2,4-Trichlorobenzene	75		81		38-107	8		50
Hexachlorobenzene	88		93		40-140	6		50
Bis(2-chloroethyl)ether	65		71		40-140	9		50
2-Chloronaphthalene	80		87		40-140	8		50
1,2-Dichlorobenzene	70		76		40-140	8		50
1,3-Dichlorobenzene	69		76		40-140	10		50
1,4-Dichlorobenzene	68		75		28-104	10		50
3,3'-Dichlorobenzidine	75		76		40-140	1		50
2,4-Dinitrotoluene	89		**97**	Q	28-89	9		50
2,6-Dinitrotoluene	88		96		40-140	9		50
Fluoranthene	85		90		40-140	6		50
4-Chlorophenyl phenyl ether	85		89		40-140	5		50
4-Bromophenyl phenyl ether	85		89		40-140	5		50
Azobenzene	79		84		40-140	6		50
Bis(2-chloroisopropyl)ether	62		68		40-140	9		50
Bis(2-chloroethoxy)methane	70		76		40-117	8		50
Hexachlorobutadiene	84		90		40-140	7		50
Hexachlorocyclopentadiene	91		96		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG793465-2 WG793465-3								
Hexachloroethane	70		77		40-140	10		50
Isophorone	73		80		40-140	9		50
Naphthalene	74		79		40-140	7		50
Nitrobenzene	75		79		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	85		88		36-157	3		50
n-Nitrosodi-n-propylamine	73		80		32-121	9		50
Bis(2-Ethylhexyl)phthalate	89		88		40-140	1		50
Butyl benzyl phthalate	87		89		40-140	2		50
Di-n-butylphthalate	85		90		40-140	6		50
Di-n-octylphthalate	91		92		40-140	1		50
Diethyl phthalate	87		89		40-140	2		50
Dimethyl phthalate	84		88		40-140	5		50
Benzo(a)anthracene	82		84		40-140	2		50
Benzo(a)pyrene	83		86		40-140	4		50
Benzo(b)fluoranthene	82		84		40-140	2		50
Benzo(k)fluoranthene	82		85		40-140	4		50
Chrysene	80		82		40-140	2		50
Acenaphthylene	82		88		40-140	7		50
Anthracene	82		86		40-140	5		50
Benzo(ghi)perylene	83		83		40-140	0		50
Fluorene	83		88		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG793465-2 WG793465-3								
Phenanthrene	80		84		40-140	5		50
Dibenzo(a,h)anthracene	84		86		40-140	2		50
Indeno(1,2,3-cd)Pyrene	86		87		40-140	1		50
Pyrene	83		88		35-142	6		50
Biphenyl	80		85		54-104	6		50
Aniline	48		52		40-140	8		50
4-Chloroaniline	90		90		40-140	0		50
2-Nitroaniline	85		93		47-134	9		50
3-Nitroaniline	72		77		26-129	7		50
4-Nitroaniline	80		84		41-125	5		50
Dibenzofuran	82		87		40-140	6		50
2-Methylnaphthalene	79		84		40-140	6		50
1,2,4,5-Tetrachlorobenzene	83		86		40-117	4		50
Acetophenone	74		81		14-144	9		50
2,4,6-Trichlorophenol	86		93		30-130	8		50
P-Chloro-M-Cresol	85		92		26-103	8		50
2-Chlorophenol	75		82		25-102	9		50
2,4-Dichlorophenol	85		90		30-130	6		50
2,4-Dimethylphenol	83		91		30-130	9		50
2-Nitrophenol	78		88		30-130	12		50
4-Nitrophenol	98		108		11-114	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG793465-2 WG793465-3								
2,4-Dinitrophenol	28		32		4-130	13		50
4,6-Dinitro-o-cresol	80		87		10-130	8		50
Pentachlorophenol	76		80		17-109	5		50
Phenol	67		74		26-90	10		50
2-Methylphenol	77		83		30-130.	8		50
3-Methylphenol/4-Methylphenol	76		83		30-130	9		50
2,4,5-Trichlorophenol	91		98		30-130	7		50
Benzoic Acid	**8**	Q	10		10-66	21		50
Benzyl Alcohol	81		89		40-140	9		50
Carbazole	81		85		54-128	5		50
Benzaldehyde	71		77		40-140	8		50
Caprolactam	69		76		15-130	10		50
Atrazine	96		99		40-140	3		50
2,3,4,6-Tetrachlorophenol	92		93		40-140	1		50
Pyridine	38		42		10-93	10		50
Parathion, ethyl	113		118		40-140	4		50
1-Methylnaphthalene	82		88		26-130	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG793465-2 WG793465-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		79		25-120
Phenol-d6	76		82		10-120
Nitrobenzene-d5	78		83		23-120
2-Fluorobiphenyl	84		89		30-120
2,4,6-Tribromophenol	91		94		10-136
4-Terphenyl-d14	86		89		18-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID:	L1513002-01	Date Collected:	06/10/15 08:32
Client ID:	SB-10 (0-2)	Date Received:	06/10/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/13/15 17:40
Analytical Date:	06/14/15 18:07	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	06/14/15
Percent Solids:	79%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.23	1	A
Aroclor 1221	ND		ug/kg	40.9	3.77	1	A
Aroclor 1232	ND		ug/kg	40.9	4.80	1	A
Aroclor 1242	ND		ug/kg	40.9	5.01	1	A
Aroclor 1248	ND		ug/kg	40.9	3.45	1	A
Aroclor 1254	ND		ug/kg	40.9	3.36	1	A
Aroclor 1260	18.5	J	ug/kg	40.9	3.12	1	B
Aroclor 1262	ND		ug/kg	40.9	2.03	1	A
Aroclor 1268	ND		ug/kg	40.9	5.93	1	A
PCBs, Total	18.5	J	ug/kg	40.9	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513002

Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/14/15 18:19
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/13/15 17:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/14/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG793441-1						
Aroclor 1016	ND		ug/kg	32.0	2.53	A
Aroclor 1221	ND		ug/kg	32.0	2.96	A
Aroclor 1232	ND		ug/kg	32.0	3.76	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.59	A
Aroclor 1268	ND		ug/kg	32.0	4.65	A
PCBs, Total	ND		ug/kg	32.0	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG793441-2 WG793441-3									
Aroclor 1016	64		48		40-140	29		50	A
Aroclor 1260	61		57		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		48		30-150	A
Decachlorobiphenyl	61		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		42		30-150	B
Decachlorobiphenyl	75		58		30-150	B

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

SAMPLE RESULTS

Lab ID:	L1513002-01	Date Collected:	06/10/15 08:32
Client ID:	SB-10 (0-2)	Date Received:	06/10/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/13/15 18:30
Analytical Date:	06/18/15 12:01	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/14/15
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.96	0.383	1	A
Lindane	ND		ug/kg	0.815	0.364	1	A
Alpha-BHC	ND		ug/kg	0.815	0.231	1	A
Beta-BHC	ND		ug/kg	1.96	0.741	1	A
Heptachlor	ND		ug/kg	0.978	0.438	1	A
Aldrin	ND		ug/kg	1.96	0.688	1	A
Heptachlor epoxide	ND		ug/kg	3.66	1.10	1	A
Endrin	ND		ug/kg	0.815	0.334	1	A
Endrin ketone	ND		ug/kg	1.96	0.503	1	A
Dieldrin	41.5		ug/kg	1.22	0.611	1	A
4,4'-DDE	44.6		ug/kg	1.96	0.452	1	A
4,4'-DDD	ND		ug/kg	1.96	0.697	1	A
4,4'-DDT	28.5		ug/kg	3.66	1.57	1	A
Endosulfan I	ND		ug/kg	1.96	0.462	1	A
Endosulfan II	ND		ug/kg	1.96	0.653	1	A
Endosulfan sulfate	ND		ug/kg	0.815	0.388	1	A
Methoxychlor	ND		ug/kg	3.66	1.14	1	A
Toxaphene	ND		ug/kg	36.6	10.3	1	A
cis-Chlordane	ND		ug/kg	2.44	0.681	1	A
trans-Chlordane	ND		ug/kg	2.44	0.645	1	A
Chlordane	ND		ug/kg	15.9	6.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/18/15 10:30
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 06/13/15 18:30
Cleanup Method: EPA 3620B
Cleanup Date: 06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG793446-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.661	0.295	A
Alpha-BHC	ND		ug/kg	0.661	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.601	A
Heptachlor	ND		ug/kg	0.793	0.356	A
Aldrin	ND		ug/kg	1.59	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.892	A
Endrin	ND		ug/kg	0.661	0.271	A
Endrin ketone	ND		ug/kg	1.59	0.408	A
Dieldrin	ND		ug/kg	0.991	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	2.97	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.530	A
Endosulfan sulfate	ND		ug/kg	0.661	0.315	A
Methoxychlor	ND		ug/kg	2.97	0.925	A
Toxaphene	ND		ug/kg	29.7	8.33	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	12.9	5.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	32		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG793446-2 WG793446-3									
Delta-BHC	52		62		30-150	18		30	A
Lindane	56		67		30-150	18		30	A
Alpha-BHC	60		72		30-150	18		30	A
Beta-BHC	64		78		30-150	20		30	A
Heptachlor	61		72		30-150	17		30	A
Aldrin	56		68		30-150	19		30	A
Heptachlor epoxide	53		66		30-150	22		30	A
Endrin	57		70		30-150	20		30	A
Endrin ketone	49		59		30-150	19		30	A
Dieldrin	58		71		30-150	20		30	A
4,4'-DDE	56		68		30-150	19		30	A
4,4'-DDD	60		74		30-150	21		30	A
4,4'-DDT	61		75		30-150	21		30	A
Endosulfan I	50		61		30-150	20		30	A
Endosulfan II	56		67		30-150	18		30	A
Endosulfan sulfate	46		56		30-150	20		30	A
Methoxychlor	58		70		30-150	19		30	A
cis-Chlordane	52		64		30-150	21		30	A
trans-Chlordane	57		70		30-150	20		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG793446-2 WG793446-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		70		30-150	B
Decachlorobiphenyl	63		75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		70		30-150	A
Decachlorobiphenyl	32		38		30-150	A

METALS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513002
Report Date: 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01
Client ID: SB-10 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 79%

Date Collected: 06/10/15 08:32
Date Received: 06/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8900		mg/kg	9.9	2.0	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Antimony, Total	1.1	J	mg/kg	5.0	0.80	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Arsenic, Total	17		mg/kg	0.99	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Barium, Total	73		mg/kg	0.99	0.30	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Beryllium, Total	0.42	J	mg/kg	0.50	0.10	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Cadmium, Total	0.23	J	mg/kg	0.99	0.07	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Calcium, Total	15000		mg/kg	9.9	3.0	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.99	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Cobalt, Total	8.1		mg/kg	2.0	0.50	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Copper, Total	70		mg/kg	0.99	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	5.0	2.0	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Lead, Total	230		mg/kg	5.0	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Magnesium, Total	9400		mg/kg	9.9	0.99	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Manganese, Total	390		mg/kg	0.99	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Mercury, Total	0.35		mg/kg	0.08	0.02	1	06/12/15 06:26	06/17/15 12:52	EPA 7471B	1,7471B	MC
Nickel, Total	50		mg/kg	2.5	0.40	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Potassium, Total	500		mg/kg	250	40.	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Selenium, Total	0.31	J	mg/kg	2.0	0.30	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.99	0.20	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Sodium, Total	58	J	mg/kg	200	30.	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	2.0	0.40	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Vanadium, Total	39		mg/kg	0.99	0.10	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT
Zinc, Total	110		mg/kg	5.0	0.70	2	06/16/15 02:44	06/16/15 15:36	EPA 3050B	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG792934-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/12/15 06:26	06/16/15 16:01	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG793878-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/16/15 02:44	06/16/15 11:31	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002

Project Number: 1637.0001Y003 **Report Date:** 06/18/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG792934-2 SRM Lot Number: D088-540								
Mercury, Total	128		-		72-128	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG793878-2 SRM Lot Number: D088-540					
Aluminum, Total	84	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	93	-	83-117	-	
Cadmium, Total	92	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	96	-	45-155	-	
Lead, Total	92	-	81-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	91	-	81-118	-	
Nickel, Total	92	-	83-117	-	
Potassium, Total	86	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	96	-	75-124	-	
Sodium, Total	88	-	72-127	-	
Thallium, Total	90	-	80-120	-	
Vanadium, Total	92	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG793878-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792934-4 QC Sample: L1512994-03 Client ID: MS Sample												
Mercury, Total	0.14	0.157	0.29	96		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG793878-4 QC Sample: L1513055-04 Client ID: MS Sample										
Aluminum, Total	9500	172	8900	**0**	Q	-	-	75-125	-	20
Antimony, Total	0.48J	43	30	**70**	Q	-	-	75-125	-	20
Arsenic, Total	2.1	10.3	10	76		-	-	75-125	-	20
Barium, Total	92.	172	240	86		-	-	75-125	-	20
Beryllium, Total	0.28	4.3	3.7	79		-	-	75-125	-	20
Cadmium, Total	0.27J	4.39	3.8	86		-	-	75-125	-	20
Calcium, Total	9500	861	8800	**0**	Q	-	-	75-125	-	20
Chromium, Total	20.	17.2	30	**58**	Q	-	-	75-125	-	20
Cobalt, Total	7.0	43	39	**74**	Q	-	-	75-125	-	20
Copper, Total	49.	21.5	58	**42**	Q	-	-	75-125	-	20
Iron, Total	15000	86.1	14000	**0**	Q	-	-	75-125	-	20
Lead, Total	98.	43.9	110	**27**	Q	-	-	75-125	-	20
Magnesium, Total	4000	861	4700	81		-	-	75-125	-	20
Manganese, Total	260	43	270	**23**	Q	-	-	75-125	-	20
Nickel, Total	12.	43	42	**70**	Q	-	-	75-125	-	20
Potassium, Total	900	861	2300	**163**	Q	-	-	75-125	-	20
Selenium, Total	ND	10.3	8.5	82		-	-	75-125	-	20
Silver, Total	ND	25.8	22	85		-	-	75-125	-	20
Sodium, Total	270	861	930	77		-	-	75-125	-	20
Thallium, Total	ND	10.3	7.0	**68**	Q	-	-	75-125	-	20
Vanadium, Total	24.	43	57	77		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG793878-4 QC Sample: L1513055-04 Client ID: MS Sample										
Zinc, Total	110	43	140	**70**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792934-3 QC Sample: L1512994-03 Client ID: DUP Sample						
Mercury, Total	0.14	0.18	mg/kg	**25**	Q	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG793878-3 QC Sample: L1513055-04 Client ID: DUP Sample						
Lead, Total	98.	76	mg/kg	**25**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

SAMPLE RESULTS

Lab ID: L1513002-01
Client ID: SB-10 (0-2)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/10/15 08:32
Date Received: 06/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.4		%	0.100	NA	1	-	06/12/15 00:44	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG792897-1 QC Sample: L1512978-141 Client ID: DUP Sample						
Solids, Total	86.2	86.5	%	0		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513002
Report Date: 06/18/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/11/2015 02:33

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513002-01A	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1513002-01B	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1513002-01C	5 gram Encore Sampler	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(2)
L1513002-01D	Plastic 2oz unpreserved for TS	A	N/A	2.3	Y	Absent	TS(7)
L1513002-01E	Glass 250ml/8oz unpreserved	A	N/A	2.3	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513002-01X	Vial MeOH preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1513002-01Y	Vial Water preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1513002-01Z	Vial Water preserved split	A	N/A	2.3	Y	Absent	NYTCL-8260HLW(14)
L1513002-02A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)
L1513002-02B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260(14)

Container Comments

L1513002-01E

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513002
Project Number:	1637.0001Y003	**Report Date:**	06/18/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513002
Project Number:	1637.0001Y003	**Report Date:**	06/18/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513002
Project Number: 1637.0001Y003 **Report Date:** 06/18/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/10/15

ALPHA Job #: L1513002

Client Information
Client: Rock Associates Inc
Address: 209 Shaster St
Islandia NY 11749
Phone: 631.232 2600
Fax: 631.232 9898
Email: jcollins@rockinc.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay Street Staten Island NY
Project #: 1637.00014003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Alpha: Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other ASP-A

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☒ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Hg - NYTCL 6081 / NY8270SIM-TCLP/NYTCL	TS	NYTCL 8260	NYTCL 8260					Sample Specific Comments	Total Bottle
13002 -01	SB-10 (0-2)	6/10/15	832	S	AM	X	X	X							5
-02	Trip Blank	6/10/15		W	MF				X						2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	E	V				
Preservative	A	A	A	B				

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/10/15 1550	[signature] AAL	6/10/15 1550
[signature]	6/10/15 1830	Tom Tolen	6-10-15 1830
Tom Tolen	6-10-15 2215	Graham Phillips	6/10/15 2215

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1513147
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/19/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513147-01	SB-12 (24-26)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/11/15 14:00	06/11/15
L1513147-02	SB-11 (30-32)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/11/15 08:35	06/11/15
L1513147-03	TRIP BLANK	WATER	5 BAY STREET, STATEN ISLAND, NY	06/11/15 00:00	06/11/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147
Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147
Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

L1513147-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/19/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-01	Date Collected:	06/11/15 14:00
Client ID:	SB-12 (24-26)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/16/15 12:58		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01 Date Collected: 06/11/15 14:00

Client ID: SB-12 (24-26) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	4.6	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	2.9	J	ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01 Date Collected: 06/11/15 14:00

Client ID: SB-12 (24-26) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-02	Date Collected:	06/11/15 08:35
Client ID:	SB-11 (30-32)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/16/15 13:25		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.36	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02 Date Collected: 06/11/15 08:35

Client ID: SB-11 (30-32) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	9.8	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	3.5	J	ug/kg	10	0.28	1
Vinyl acetate	2.2	J	ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02 Date Collected: 06/11/15 08:35

Client ID: SB-11 (30-32) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-03	Date Collected:	06/11/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/15/15 18:07		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-03 Date Collected: 06/11/15 00:00

Client ID: TRIP BLANK Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-03 Date Collected: 06/11/15 00:00

Client ID: TRIP BLANK Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793660-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793660-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/15 08:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG793660-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/15 09:01
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794010-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/15 09:01
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794010-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/15 09:01
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794010-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/15 09:01
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG794010-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793660-1 WG793660-2								
Methylene chloride	96		99		70-130	3		20
1,1-Dichloroethane	93		96		70-130	3		20
Chloroform	95		98		70-130	3		20
Carbon tetrachloride	96		99		63-132	3		20
1,2-Dichloropropane	92		96		70-130	4		20
Dibromochloromethane	93		99		63-130	6		20
1,1,2-Trichloroethane	90		94		70-130	4		20
Tetrachloroethene	103		108		70-130	5		20
Chlorobenzene	99		104		75-130	5		20
Trichlorofluoromethane	97		101		62-150	4		20
1,2-Dichloroethane	83		87		70-130	5		20
1,1,1-Trichloroethane	92		97		67-130	5		20
Bromodichloromethane	90		93		67-130	3		20
trans-1,3-Dichloropropene	84		88		70-130	5		20
cis-1,3-Dichloropropene	90		94		70-130	4		20
1,1-Dichloropropene	95		99		70-130	4		20
Bromoform	87		94		54-136	8		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	97		100		70-130	3		20
Toluene	98		102		70-130	4		20
Ethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793660-1 WG793660-2								
Chloromethane	80		84		64-130	5		20
Bromomethane	82		84		39-139	2		20
Vinyl chloride	88		90		55-140	2		20
Chloroethane	66		90		55-138	**31**	Q	20
1,1-Dichloroethene	100		104		61-145	4		20
trans-1,2-Dichloroethene	100		104		70-130	4		20
Trichloroethene	98		103		70-130	5		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	98		102		70-130	4		20
1,4-Dichlorobenzene	98		101		70-130	3		20
Methyl tert butyl ether	76		81		63-130	6		20
p/m-Xylene	101		105		70-130	4		20
o-Xylene	100		104		70-130	4		20
cis-1,2-Dichloroethene	98		101		70-130	3		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	84		89		64-130	6		20
Acrylonitrile	73		79		70-130	8		20
Styrene	100		104		70-130	4		20
Dichlorodifluoromethane	95		98		36-147	3		20
Acetone	98		82		58-148	18		20
Carbon disulfide	91		94		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793660-1 WG793660-2								
2-Butanone	83		86		63-138	4		20
Vinyl acetate	81		84		70-130	4		20
4-Methyl-2-pentanone	71		77		59-130	8		20
2-Hexanone	67		69		57-130	3		20
Bromochloromethane	112		114		70-130	2		20
2,2-Dichloropropane	98		101		63-133	3		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	88		93		70-130	6		20
1,1,1,2-Tetrachloroethane	99		102		64-130	3		20
Bromobenzene	98		102		70-130	4		20
n-Butylbenzene	99		102		53-136	3		20
sec-Butylbenzene	100		103		70-130	3		20
tert-Butylbenzene	99		104		70-130	5		20
o-Chlorotoluene	99		103		70-130	4		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	78		84		41-144	7		20
Hexachlorobutadiene	94		99		63-130	5		20
Isopropylbenzene	97		101		70-130	4		20
p-Isopropyltoluene	101		105		70-130	4		20
Naphthalene	78		85		70-130	9		20
n-Propylbenzene	98		102		69-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG793660-1 WG793660-2								
1,2,3-Trichlorobenzene	86		91		70-130	6		20
1,2,4-Trichlorobenzene	89		94		70-130	5		20
1,3,5-Trimethylbenzene	100		104		64-130	4		20
1,2,4-Trimethylbenzene	99		103		70-130	4		20
1,4-Dioxane	120		127		56-162	6		20
p-Diethylbenzene	101		105		70-130	4		20
p-Ethyltoluene	98		102		70-130	4		20
1,2,4,5-Tetramethylbenzene	96		99		70-130	3		20
Ethyl ether	81		86		59-134	6		20
trans-1,4-Dichloro-2-butene	**59**	Q	**64**	Q	70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		86		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794010-1 WG794010-2								
Methylene chloride	84		84		70-130	0		30
1,1-Dichloroethane	90		86		70-130	5		30
Chloroform	99		100		70-130	1		30
Carbon tetrachloride	104		103		70-130	1		30
1,2-Dichloropropane	92		102		70-130	10		30
Dibromochloromethane	85		98		70-130	14		30
1,1,2-Trichloroethane	92		112		70-130	20		30
Tetrachloroethene	107		117		70-130	9		30
Chlorobenzene	104		105		70-130	1		30
Trichlorofluoromethane	97		92		70-139	5		30
1,2-Dichloroethane	90		90		70-130	0		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	89		97		70-130	9		30
trans-1,3-Dichloropropene	95		108		70-130	13		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	110		103		70-130	7		30
Bromoform	111		95		70-130	16		30
1,1,2,2-Tetrachloroethane	110		104		70-130	6		30
Benzene	103		96		70-130	7		30
Toluene	105		112		70-130	6		30
Ethylbenzene	110		110		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794010-1 WG794010-2								
Chloromethane	88		79		52-130	11		30
Bromomethane	91		83		57-147	9		30
Vinyl chloride	96		95		67-130	1		30
Chloroethane	90		85		50-151	6		30
1,1-Dichloroethene	97		92		65-135	5		30
trans-1,2-Dichloroethene	85		84		70-130	1		30
Trichloroethene	100		104		70-130	4		30
1,2-Dichlorobenzene	101		97		70-130	4		30
1,3-Dichlorobenzene	115		106		70-130	8		30
1,4-Dichlorobenzene	110		106		70-130	4		30
Methyl tert butyl ether	74		76		66-130	3		30
p/m-Xylene	110		110		70-130	0		30
o-Xylene	106		108		70-130	2		30
cis-1,2-Dichloroethene	93		100		70-130	7		30
Dibromomethane	89		98		70-130	10		30
Styrene	106		116		70-130	9		30
Dichlorodifluoromethane	118		111		30-146	6		30
Acetone	72		87		54-140	19		30
Carbon disulfide	88		86		59-130	2		30
2-Butanone	97		99		70-130	2		30
Vinyl acetate	81		90		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794010-1 WG794010-2								
4-Methyl-2-pentanone	93		99		70-130	6		30
1,2,3-Trichloropropane	107		101		68-130	6		30
2-Hexanone	93		92		70-130	1		30
Bromochloromethane	105		102		70-130	3		30
2,2-Dichloropropane	101		101		70-130	0		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	91		104		69-130	13		30
1,1,1,2-Tetrachloroethane	104		107		70-130	3		30
Bromobenzene	107		102		70-130	5		30
n-Butylbenzene	118		106		70-130	11		30
sec-Butylbenzene	116		111		70-130	4		30
tert-Butylbenzene	113		106		70-130	6		30
o-Chlorotoluene	114		107		70-130	6		30
p-Chlorotoluene	111		107		70-130	4		30
1,2-Dibromo-3-chloropropane	97		90		68-130	7		30
Hexachlorobutadiene	120		102		67-130	16		30
Isopropylbenzene	110		118		70-130	7		30
p-Isopropyltoluene	117		110		70-130	6		30
Naphthalene	108		98		70-130	10		30
Acrylonitrile	82		82		70-130	0		30
Diisopropyl Ether	83		83		66-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794010-1 WG794010-2								
Tert-Butyl Alcohol	71		75		70-130	5		30
n-Propylbenzene	112		108		70-130	4		30
1,2,3-Trichlorobenzene	113		98		70-130	14		30
1,2,4-Trichlorobenzene	120		103		70-130	15		30
1,3,5-Trimethylbenzene	116		108		70-130	7		30
1,2,4-Trimethylbenzene	103		106		70-130	3		30
Methyl Acetate	70		76		51-146	8		30
Ethyl Acetate	93		89		70-130	4		30
Acrolein	87		96		70-130	10		30
Cyclohexane	119		116		59-142	3		30
1,4-Dioxane	110		108		65-136	2		30
Freon-113	97		97		50-139	0		30
p-Diethylbenzene	99		106		70-130	7		30
p-Ethyltoluene	102		106		70-130	4		30
1,2,4,5-Tetramethylbenzene	98		96		70-130	2		30
Tetrahydrofuran	102		115		66-130	12		30
Ethyl ether	86		87		67-130	1		30
trans-1,4-Dichloro-2-butene	97		97		70-130	0		30
Methyl cyclohexane	112		110		70-130	2		30
Ethyl-Tert-Butyl-Ether	87		89		70-130	2		30
Tertiary-Amyl Methyl Ether	95		91		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513147

Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG794010-1 WG794010-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		94		70-130
Toluene-d8	106		113		70-130
4-Bromofluorobenzene	106		99		70-130
Dibromofluoromethane	104		103		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-01	Date Collected:	06/11/15 14:00
Client ID:	SB-12 (24-26)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/15/15 14:15
Analytical Date:	06/16/15 14:15		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01 Date Collected: 06/11/15 14:00

Client ID: SB-12 (24-26) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	36.	1
Benzo(k)fluoranthene	ND		ug/kg	100	34.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01 Date Collected: 06/11/15 14:00

Client ID: SB-12 (24-26) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	68		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-02	Date Collected:	06/11/15 08:35
Client ID:	SB-11 (30-32)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/15/15 14:15
Analytical Date:	06/16/15 14:41		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02 Date Collected: 06/11/15 08:35

Client ID: SB-11 (30-32) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	36.	1
Benzo(k)fluoranthene	ND		ug/kg	100	34.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02 Date Collected: 06/11/15 08:35

Client ID: SB-11 (30-32) Date Received: 06/11/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	68		18-120

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/15 09:29
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/15/15 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG793709-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	54.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	50.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	42.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Azobenzene	ND		ug/kg	170	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/15 09:29
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/15/15 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG793709-1					
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/15 09:29
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/15/15 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG793709-1					
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.
Pyridine	ND		ug/kg	660	60.
1-Methylnaphthalene	ND		ug/kg	170	50.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/16/15 09:29
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/15/15 14:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG793709-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG793709-2 WG793709-3								
Acenaphthene	86		77		31-137	11		50
Benzidine	58		56		10-66	4		50
n-Nitrosodimethylamine	82		68		22-100	19		50
1,2,4-Trichlorobenzene	80		72		38-107	11		50
Hexachlorobenzene	84		79		40-140	6		50
Bis(2-chloroethyl)ether	84		74		40-140	13		50
2-Chloronaphthalene	88		80		40-140	10		50
1,2-Dichlorobenzene	79		70		40-140	12		50
1,3-Dichlorobenzene	77		69		40-140	11		50
1,4-Dichlorobenzene	79		69		28-104	14		50
3,3'-Dichlorobenzidine	72		67		40-140	7		50
2,4-Dinitrotoluene	**91**	Q	81		28-89	12		50
2,6-Dinitrotoluene	91		80		40-140	13		50
Fluoranthene	89		80		40-140	11		50
4-Chlorophenyl phenyl ether	86		80		40-140	7		50
4-Bromophenyl phenyl ether	88		79		40-140	11		50
Azobenzene	95		87		40-140	9		50
Bis(2-chloroisopropyl)ether	91		80		40-140	13		50
Bis(2-chloroethoxy)methane	88		79		40-117	11		50
Hexachlorobutadiene	83		75		40-140	10		50
Hexachlorocyclopentadiene	74		67		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG793709-2 WG793709-3								
Hexachloroethane	80		70		40-140	13		50
Isophorone	90		81		40-140	11		50
Naphthalene	83		73		40-140	13		50
Nitrobenzene	88		77		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	89		83		36-157	7		50
n-Nitrosodi-n-propylamine	89		79		32-121	12		50
Bis(2-Ethylhexyl)phthalate	91		82		40-140	10		50
Butyl benzyl phthalate	90		83		40-140	8		50
Di-n-butylphthalate	89		80		40-140	11		50
Di-n-octylphthalate	88		80		40-140	10		50
Diethyl phthalate	88		80		40-140	10		50
Dimethyl phthalate	90		81		40-140	11		50
Benzo(a)anthracene	87		79		40-140	10		50
Benzo(a)pyrene	89		80		40-140	11		50
Benzo(b)fluoranthene	84		78		40-140	7		50
Benzo(k)fluoranthene	91		84		40-140	8		50
Chrysene	88		80		40-140	10		50
Acenaphthylene	90		80		40-140	12		50
Anthracene	88		81		40-140	8		50
Benzo(ghi)perylene	83		76		40-140	9		50
Fluorene	88		80		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG793709-2 WG793709-3								
Phenanthrene	87		79		40-140	10		50
Dibenzo(a,h)anthracene	84		74		40-140	13		50
Indeno(1,2,3-cd)Pyrene	82		74		40-140	10		50
Pyrene	89		82		35-142	8		50
Biphenyl	86		78		54-104	10		50
Aniline	66		59		40-140	11		50
4-Chloroaniline	94		91		40-140	3		50
2-Nitroaniline	90		83		47-134	8		50
3-Nitroaniline	69		66		26-129	4		50
4-Nitroaniline	84		75		41-125	11		50
Dibenzofuran	86		80		40-140	7		50
2-Methylnaphthalene	86		77		40-140	11		50
1,2,4,5-Tetrachlorobenzene	82		74		40-117	10		50
Acetophenone	84		76		14-144	10		50
2,4,6-Trichlorophenol	89		79		30-130	12		50
P-Chloro-M-Cresol	91		83		26-103	9		50
2-Chlorophenol	83		72		25-102	14		50
2,4-Dichlorophenol	87		78		30-130	11		50
2,4-Dimethylphenol	98		87		30-130	12		50
2-Nitrophenol	86		77		30-130	11		50
4-Nitrophenol	98		89		11-114	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG793709-2 WG793709-3								
2,4-Dinitrophenol	65		63		4-130	3		50
4,6-Dinitro-o-cresol	82		75		10-130	9		50
Pentachlorophenol	78		68		17-109	14		50
Phenol	82		76		26-90	8		50
2-Methylphenol	88		79		30-130.	11		50
3-Methylphenol/4-Methylphenol	97		86		30-130	12		50
2,4,5-Trichlorophenol	90		80		30-130	12		50
Benzoic Acid	43		38		10-66	12		50
Benzyl Alcohol	95		83		40-140	13		50
Carbazole	89		80		54-128	11		50
Benzaldehyde	75		68		40-140	10		50
Caprolactam	96		88		15-130	9		50
Atrazine	94		84		40-140	11		50
2,3,4,6-Tetrachlorophenol	91		82		40-140	10		50
Pyridine	65		63		10-93	3		50
1-Methylnaphthalene	90		79		26-130	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG793709-2 WG793709-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		70		25-120
Phenol-d6	83		76		10-120
Nitrobenzene-d5	88		77		23-120
2-Fluorobiphenyl	85		78		30-120
2,4,6-Tribromophenol	79		75		10-136
4-Terphenyl-d14	83		77		18-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-01	Date Collected:	06/11/15 14:00
Client ID:	SB-12 (24-26)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/14/15 20:29
Analytical Date:	06/16/15 15:34	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/16/15
Percent Solids:	95%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/16/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	2.76	1	A
Aroclor 1221	ND		ug/kg	34.9	3.22	1	A
Aroclor 1232	ND		ug/kg	34.9	4.09	1	A
Aroclor 1242	ND		ug/kg	34.9	4.27	1	A
Aroclor 1248	ND		ug/kg	34.9	2.94	1	A
Aroclor 1254	ND		ug/kg	34.9	2.87	1	A
Aroclor 1260	ND		ug/kg	34.9	2.66	1	A
Aroclor 1262	ND		ug/kg	34.9	1.73	1	A
Aroclor 1268	ND		ug/kg	34.9	5.06	1	A
PCBs, Total	ND		ug/kg	34.9	1.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-02	Date Collected:	06/11/15 08:35
Client ID:	SB-11 (30-32)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/14/15 20:29
Analytical Date:	06/16/15 15:51	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/16/15
Percent Solids:	95%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/16/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	2.72	1	A
Aroclor 1221	ND		ug/kg	34.4	3.17	1	A
Aroclor 1232	ND		ug/kg	34.4	4.03	1	A
Aroclor 1242	ND		ug/kg	34.4	4.21	1	A
Aroclor 1248	ND		ug/kg	34.4	2.90	1	A
Aroclor 1254	ND		ug/kg	34.4	2.83	1	A
Aroclor 1260	ND		ug/kg	34.4	2.62	1	A
Aroclor 1262	ND		ug/kg	34.4	1.71	1	A
Aroclor 1268	ND		ug/kg	34.4	4.99	1	A
PCBs, Total	ND		ug/kg	34.4	1.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513147

Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/16/15 14:44
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 06/14/15 20:29
Cleanup Method: EPA 3665A
Cleanup Date: 06/16/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/16/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG793545-1						
Aroclor 1016	ND		ug/kg	32.0	2.53	A
Aroclor 1221	ND		ug/kg	32.0	2.96	A
Aroclor 1232	ND		ug/kg	32.0	3.76	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.59	A
Aroclor 1268	ND		ug/kg	32.0	4.65	A
PCBs, Total	ND		ug/kg	32.0	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG793545-2 WG793545-3									
Aroclor 1016	62		72		40-140	15		50	A
Aroclor 1260	48		56		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		80		30-150	A
Decachlorobiphenyl	61		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		86		30-150	B
Decachlorobiphenyl	82		90		30-150	B

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-01	Date Collected:	06/11/15 14:00
Client ID:	SB-12 (24-26)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/15/15 22:59
Analytical Date:	06/18/15 19:28	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/17/15
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.817	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.919	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.378	1	A
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.953	1	A
Toxaphene	ND		ug/kg	30.6	8.57	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.3	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

SAMPLE RESULTS

Lab ID:	L1513147-02	Date Collected:	06/11/15 08:35
Client ID:	SB-11 (30-32)	Date Received:	06/11/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/15/15 22:59
Analytical Date:	06/18/15 19:41	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/17/15
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	A
Lindane	ND		ug/kg	0.695	0.310	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.632	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.587	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.938	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin ketone	ND		ug/kg	1.67	0.429	1	A
Dieldrin	ND		ug/kg	1.04	0.521	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.75	1	A
cis-Chlordane	ND		ug/kg	2.08	0.581	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/18/15 18:22
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/15/15 22:59
Cleanup Method: EPA 3620B
Cleanup Date: 06/17/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG793850-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.570	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Heptachlor epoxide	ND		ug/kg	2.82	0.845	A
Endrin	ND		ug/kg	0.626	0.257	A
Endrin ketone	ND		ug/kg	1.50	0.387	A
Dieldrin	ND		ug/kg	0.939	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.877	A
Toxaphene	ND		ug/kg	28.2	7.89	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.2	4.98	A
4,4'-DDT	1.41	J	ug/kg	2.82	1.21	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	81		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG793850-2 WG793850-3									
Delta-BHC	73		71		30-150	3		30	A
Lindane	80		77		30-150	4		30	A
Alpha-BHC	86		81		30-150	6		30	A
Beta-BHC	85		73		30-150	15		30	A
Heptachlor	80		80		30-150	0		30	A
Aldrin	84		81		30-150	4		30	A
Heptachlor epoxide	80		77		30-150	4		30	A
Endrin	88		86		30-150	2		30	A
Endrin ketone	83		80		30-150	4		30	A
Dieldrin	89		85		30-150	5		30	A
4,4'-DDE	83		82		30-150	1		30	A
4,4'-DDD	95		96		30-150	1		30	A
4,4'-DDT	94		94		30-150	0		30	A
Endosulfan I	75		74		30-150	1		30	A
Endosulfan II	81		80		30-150	1		30	A
Endosulfan sulfate	76		75		30-150	1		30	A
Methoxychlor	88		92		30-150	4		30	A
cis-Chlordane	81		80		30-150	1		30	A
trans-Chlordane	83		80		30-150	4		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG793850-2 WG793850-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		68		30-150	B
Decachlorobiphenyl	85		86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		70		30-150	A
Decachlorobiphenyl	65		69		30-150	A

METALS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01
Client ID: SB-12 (24-26)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 95%

Date Collected: 06/11/15 14:00
Date Received: 06/11/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	8.2	1.6	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Arsenic, Total	2.1		mg/kg	0.82	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Barium, Total	47		mg/kg	0.82	0.25	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Beryllium, Total	0.38	J	mg/kg	0.41	0.08	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.82	0.06	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Calcium, Total	3100		mg/kg	8.2	2.5	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Chromium, Total	22		mg/kg	0.82	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Cobalt, Total	8.1		mg/kg	1.6	0.41	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Copper, Total	31		mg/kg	0.82	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Iron, Total	17000		mg/kg	4.1	1.6	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Lead, Total	8.2		mg/kg	4.1	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Magnesium, Total	5800		mg/kg	8.2	0.82	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Manganese, Total	390		mg/kg	0.82	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.01	1	06/16/15 05:53	06/17/15 14:09	EPA 7471B	1,7471B	MC
Nickel, Total	99		mg/kg	2.0	0.33	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Potassium, Total	1300		mg/kg	200	33.	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.6	0.25	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Sodium, Total	190		mg/kg	160	25.	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Vanadium, Total	22		mg/kg	0.82	0.08	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT
Zinc, Total	36		mg/kg	4.1	0.57	2	06/16/15 05:32	06/16/15 17:54	EPA 3050B	1,6010C	TT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513147
Report Date: 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02
Client ID: SB-11 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 95%

Date Collected: 06/11/15 08:35
Date Received: 06/11/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4000		mg/kg	8.4	1.7	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.2	0.67	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Arsenic, Total	1.0		mg/kg	0.84	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Barium, Total	41		mg/kg	0.84	0.25	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Beryllium, Total	0.41	J	mg/kg	0.42	0.08	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.84	0.06	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Calcium, Total	1100		mg/kg	8.4	2.5	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.84	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Cobalt, Total	6.7		mg/kg	1.7	0.42	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Copper, Total	32		mg/kg	0.84	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Iron, Total	15000		mg/kg	4.2	1.7	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Lead, Total	6.1		mg/kg	4.2	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Magnesium, Total	6800		mg/kg	8.4	0.84	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Manganese, Total	380		mg/kg	0.84	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/16/15 05:53	06/17/15 14:11	EPA 7471B	1,7471B	MC
Nickel, Total	61		mg/kg	2.1	0.34	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Potassium, Total	1000		mg/kg	210	34.	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.7	0.25	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.84	0.17	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Sodium, Total	98	J	mg/kg	170	25.	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.7	0.34	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Vanadium, Total	14		mg/kg	0.84	0.08	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT
Zinc, Total	25		mg/kg	4.2	0.59	2	06/16/15 05:32	06/16/15 17:58	EPA 3050B	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG793897-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/16/15 05:53	06/16/15 15:23	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG793902-1										
Aluminum, Total	2.0	J	mg/kg	4.0	0.80	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Copper, Total	0.08	J	mg/kg	0.40	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Magnesium, Total	0.41	J	mg/kg	4.0	0.40	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Manganese, Total	0.15	J	mg/kg	0.40	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Potassium, Total	ND		mg/kg	100	16.	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Sodium, Total	ND		mg/kg	80	12.	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/16/15 05:32	06/16/15 13:40	1,6010C	TT

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG793897-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG793902-2 SRM Lot Number: D088-540					
Aluminum, Total	84	-	48-151	-	
Antimony, Total	196	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	99	-	83-117	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	99	-	83-117	-	
Calcium, Total	90	-	81-119	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	103	-	45-155	-	
Lead, Total	96	-	81-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	101	-	81-118	-	
Nickel, Total	96	-	83-117	-	
Potassium, Total	93	-	71-129	-	
Selenium, Total	102	-	78-122	-	
Silver, Total	103	-	75-124	-	
Sodium, Total	95	-	72-127	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	97	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG793902-2 SRM Lot Number: D088-540					
Zinc, Total	97	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793897-4 QC Sample: L1513055-04 Client ID: MS Sample												
Mercury, Total	0.07J	0.142	0.28	**197**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793902-4 QC Sample: L1513137-01 Client ID: MS Sample										
Aluminum, Total	8400	176	9400	**566**	Q	-	-	75-125	-	20
Antimony, Total	ND	44.1	33	75		-	-	75-125	-	20
Arsenic, Total	3.6	10.6	13	89		-	-	75-125	-	20
Barium, Total	44.	176	220	100		-	-	75-125	-	20
Beryllium, Total	0.56	4.41	4.9	98		-	-	75-125	-	20
Cadmium, Total	0.20J	4.5	4.0	89		-	-	75-125	-	20
Calcium, Total	1500	883	2800	**147**	Q	-	-	75-125	-	20
Chromium, Total	22.	17.6	38	91		-	-	75-125	-	20
Cobalt, Total	10.	44.1	47	84		-	-	75-125	-	20
Copper, Total	31.	22.1	55	109		-	-	75-125	-	20
Iron, Total	18000	88.3	19000	**1130**	Q	-	-	75-125	-	20
Lead, Total	58.	45	77	**42**	Q	-	-	75-125	-	20
Magnesium, Total	3800	883	4400	**68**	Q	-	-	75-125	-	20
Manganese, Total	450	44.1	540	**204**	Q	-	-	75-125	-	20
Nickel, Total	100	44.1	130	**68**	Q	-	-	75-125	-	20
Potassium, Total	1200	883	2000	91		-	-	75-125	-	20
Selenium, Total	ND	10.6	8.9	84		-	-	75-125	-	20
Silver, Total	ND	26.5	26	98		-	-	75-125	-	20
Sodium, Total	140J	883	1100	124		-	-	75-125	-	20
Thallium, Total	ND	10.6	8.0	76		-	-	75-125	-	20
Vanadium, Total	27.	44.1	70	97		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793902-4 QC Sample: L1513137-01 Client ID: MS Sample										
Zinc, Total	130	44.1	110	**0**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793897-3 QC Sample: L1513055-04 Client ID: DUP Sample						
Mercury, Total	0.07J	0.10	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793902-3 QC Sample: L1513137-01 Client ID: DUP Sample						
Aluminum, Total	8400	7300	mg/kg	14		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.6	3.4	mg/kg	6		20
Barium, Total	44.	37	mg/kg	17		20
Beryllium, Total	0.56	0.54	mg/kg	4		20
Cadmium, Total	0.20J	ND	mg/kg	NC		20
Calcium, Total	1500	1500	mg/kg	0		20
Chromium, Total	22.	23	mg/kg	4		20
Cobalt, Total	10.	11	mg/kg	10		20
Copper, Total	31.	32	mg/kg	3		20
Iron, Total	18000	18000	mg/kg	0		20
Lead, Total	58.	24	mg/kg	**83**	Q	20
Magnesium, Total	3800	4100	mg/kg	8		20
Manganese, Total	450	500	mg/kg	11		20
Nickel, Total	100	130	mg/kg	**26**	Q	20
Potassium, Total	1200	1200	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	140J	120J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793902-3 QC Sample: L1513137-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	27.	25	mg/kg	8		20
Zinc, Total	130	57	mg/kg	**78**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-01
Client ID: SB-12 (24-26)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/11/15 14:00
Date Received: 06/11/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.5		%	0.100	NA	1	-	06/12/15 22:59	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

SAMPLE RESULTS

Lab ID: L1513147-02
Client ID: SB-11 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/11/15 08:35
Date Received: 06/11/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.5		%	0.100	NA	1	-	06/12/15 22:59	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG793274-1 QC Sample: L1513011-01 Client ID: DUP Sample						
Solids, Total	80.0	80.0	%	0		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/12/2015 02:11

Cooler Information Custody Seal

Cooler	
E	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513147-01A	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-01B	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-01C	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-01D	Plastic 2oz unpreserved for TS	E	N/A	3.0	Y	Absent	TS(7)
L1513147-01E	Glass 250ml/8oz unpreserved	E	N/A	3.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513147-01X	Vial MeOH preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-01Y	Vial Water preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-01Z	Vial Water preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-02A	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-02B	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-02C	5 gram Encore Sampler	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(2)
L1513147-02D	Plastic 2oz unpreserved for TS	E	N/A	3.0	Y	Absent	TS(7)
L1513147-02E	Glass 250ml/8oz unpreserved	E	N/A	3.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513147
Report Date: 06/19/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513147-02X	Vial MeOH preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-02Y	Vial Water preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-02Z	Vial Water preserved split	E	N/A	3.0	Y	Absent	NYTCL-8260HLW(14)
L1513147-03A	Vial HCl preserved	E	N/A	3.0	Y	Absent	NYTCL-8260(14)
L1513147-03B	Vial HCl preserved	E	N/A	3.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513147
Project Number:	1637.0001Y003	**Report Date:**	06/19/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147

Project Number: 1637.0001Y003 **Report Date:** 06/19/15

Data Qualifiers

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513147
Project Number: 1637.0001Y003 **Report Date:** 06/19/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/11/15

ALPHA Job #: L1513147

Client Information
Client: Roux Associates Inc
Address: 209 Shafter St Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@roux-inc.com

Project Information
Project Name: Lighthouse Point
Project Location: S Bay Street Staten Island NY
Project #: 1637.0001Y003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Alpha: Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do

Preservation
☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Hg, SOS, NY 8270 TCL SIM	TS	NYTCL8260	NYTCL8260					Sample Specific Comments	Total Bottle
13147-01	SB-17 (24-26)	6/11/15	1400	S	BK	X	X	X							5
-02	SB-11 (30-32)	6/11/15	0835	S	BK	X	X	X							5
-03	Trip Blank	6/10/15		W	MF				X						2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P	E	V				
Preservative	A	A	A	B				

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/11/14 1515	[illegible] AAL	6/11/15 1600
[illegible]	6/11/15 1830	Tom Tonev	6-11-15 1830
Tom Tonev	6/11/15 23:10	[illegible]	6/11/15 23:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1513391
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/22/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513391-01	SB-9 (30-32)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 10:05	06/15/15
L1513391-02	DUP061515	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:00	06/15/15
L1513391-03	SB-10 (24-26)	SOIL	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:45	06/15/15
L1513391-04	DUP061515	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:00	06/15/15
L1513391-05	GW-10	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 13:00	06/15/15
L1513391-06	MW-9	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 12:40	06/15/15
L1513391-07	MW-11	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 10:30	06/15/15
L1513391-08	FIELD BLANK 061515	WATER	5 BAY STREET, STATEN ISLAND, NY	06/15/15 15:30	06/15/15
L1513391-09	TRIP BLANK	WATER	5 BAY STREET, STATEN ISLAND, NY	06/12/15 00:00	06/15/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
The WG794790-4/-5 MS/MSD RPD, performed on L1513391-06, is above the acceptance criteria for 1,4-dioxane (41%).
The WG795678-4/-5 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for toluene (21%/68%) and vinyl acetate (MS at 66%); however, the associated LCS/LCSD recoveries are within overall method allowances. No further action was required.

Semivolatile Organics
L1513391-04 has elevated detection limits due to limited sample volume available for analysis.
The WG794923-3 LCSD recovery, associated with L1513391-04 through -08, is below the acceptance criteria for benzoic acid (3%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG794923-4/-5 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for 1,2,4-trichlorobenzene (MS at 35%), bis(2-chloroethyl)ether (MS at 38%), 1,2-dichlorobenzene (MS at 28%), 1,3-dichlorobenzene (MS at 24%), 1,4-dichlorobenzene (MS at 25%), 3,3'-dichlorobenzidine (MS at 38%), 2,4-dinitrotoluene (MSD at 100%), bis(2-chloroisopropyl)ether (MS at 33%), hexachlorobutadiene (MS at 30%), hexachloroethane (MS at 21%), and 2,4-dimethylphenol (MS at 28%).
The WG794923-4/-5 MS/MSD RPDs, performed on L1513391-06, are above the acceptance criteria for acenaphthene (31%), 1,2,4-trichlorobenzene (53%), hexachlorobenzene (34%), bis(2-chloroethyl)ether (46%), 2-chloronaphthalene (40%), 1,2-dichlorobenzene (63%), 1,3-dichlorobenzene (67%), 1,4-dichlorobenzene (67%), 2,4-dinitrotoluene (34%), 2,6-dinitrotoluene (31%), fluoranthene (31%), 4-chlorophenyl phenyl ether (33%), 4-bromophenyl phenyl ether (32%), bis(2-chloroisopropyl)ether (42%), bis(2-chloroethoxy)methane (42%), hexachlorobutadiene (59%), hexachlorocyclopentadiene (40%), hexachloroethane (68%), isophorone

Case Narrative (continued)

(40%), naphthalene (45%), nitrobenzene (43%), n-nitrosodi-n-propylamine (38%), bis(2-ethylhexyl)phthalate (43%), butyl benzyl phthalate (32%), di-n-butylphthalate (32%), di-n-octylphthalate (33%), diethyl phthalate (31%), dimethyl phthalate (34%), benzo(a)anthracene (34%), benzo(b)fluoranthene (32%), chrysene (34%), acenaphthylene (34%), fluorene (32%), phenanthrene (32%), dibenzo(a,h)anthracene (32%), indeno(1,2,3-cd)pyrene (32%), pyrene (31%), biphenyl (32%), 2-nitroaniline (32%), dibenzofuran (32%), 2-methylnaphthalene (38%), 1,2,4,5-tetrachlorobenzene (35%), acetophenone (47%), 2,4,6-trichlorophenol (37%), p-chloro-m-cresol (34%), 2-chlorophenol (36%), 2,4-dichlorophenol (37%), 2,4-dimethylphenol (31%), 2-nitrophenol (40%), 4-nitrophenol (32%), pentachlorophenol (33%), phenol (34%), 2-methylphenol (32%), 3-methylphenol/4-methylphenol (32%), 2,4,5-trichlorophenol (34%), benzyl alcohol (40%), and carbazole (32%).
The WG795041-4/-5 MS/MSD recoveries, performed on L1513391-01, are below the acceptance criteria for 2,4-dinitrophenol (MSD at 0%) and benzoic acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

Semivolatile Organics by SIM
L1513391-04 has elevated detection limits due to limited sample volume available for analysis.
The WG794924-4/-5 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for pyrene (MSD at 130%), pentachlorophenol (MSD at 120%), and hexachloroethane (MS at 35%).
The WG794924-4/-5 MS/MSD RPD, performed on L1513391-06, is above the acceptance criteria for hexachloroethane (63%).

Metals
L1513391-01, -02, and -03 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG794304-3/-4 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for mercury (149%/152%). A post digestion spike was performed and was within acceptance criteria.
The WG795004-9/-10 MS/MSD recoveries for aluminum (MSD at 180%), iron (0%/0%), and magnesium (MSD at 161%), performed on L1513391-06, do not apply because the sample concentrations are greater than four

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Case Narrative (continued)

times the spike amount added.

The WG795004-9/-10 MS/MSD recoveries, performed on L1513391-06, are outside the acceptance criteria for antimony (54%/55%). A post digestion spike was performed and was within acceptance criteria.

The WG795168-3/-4 MS/MSD recoveries for aluminum (0%/0%), calcium (0%/0%), iron (0%/0%), magnesium (MS at 0%), and manganese (0%/0%), performed on L1513391-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG795168-3/-4 MS/MSD recoveries, performed on L1513391-01, are outside the acceptance criteria for potassium (52%/74%) and sodium (MS at 126%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/22/15

ORGANICS

VOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:59		
Analyst:	MV		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.7	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.97	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.97	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.97	0.14	1
Chlorobenzene	ND		ug/kg	0.97	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.11	1
Bromodichloromethane	ND		ug/kg	0.97	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.97	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.14	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.10	1
Benzene	4.3		ug/kg	0.97	0.11	1
Toluene	25		ug/kg	1.4	0.19	1
Ethylbenzene	0.93	J	ug/kg	0.97	0.12	1
Chloromethane	3.6	J	ug/kg	4.8	0.28	1
Bromomethane	ND		ug/kg	1.9	0.33	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.97	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	0.66	J	ug/kg	1.9	0.19	1
o-Xylene	0.69	J	ug/kg	1.9	0.17	1
Xylenes, Total	1.4	J	ug/kg	1.9	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.14	1
Dibromomethane	ND		ug/kg	9.7	0.16	1
Styrene	ND		ug/kg	1.9	0.39	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.18	1
Acetone	7.8	J	ug/kg	9.7	1.0	1
Carbon disulfide	ND		ug/kg	9.7	1.1	1
2-Butanone	4.3	J	ug/kg	9.7	0.26	1
Vinyl acetate	ND		ug/kg	9.7	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.7	0.16	1
2-Hexanone	ND		ug/kg	9.7	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.27	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.22	1
1,2-Dibromoethane	ND		ug/kg	3.9	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.97	0.31	1
Bromobenzene	ND		ug/kg	4.8	0.20	1
n-Butylbenzene	ND		ug/kg	0.97	0.11	1
sec-Butylbenzene	ND		ug/kg	0.97	0.12	1
tert-Butylbenzene	ND		ug/kg	4.8	0.13	1
o-Chlorotoluene	ND		ug/kg	4.8	0.15	1
p-Chlorotoluene	ND		ug/kg	4.8	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.22	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.12	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.7	0.50	1
n-Propylbenzene	ND		ug/kg	0.97	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.14	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.14	1
1,4-Dioxane	ND		ug/kg	97	14.	1
p-Diethylbenzene	ND		ug/kg	3.9	0.15	1
p-Ethyltoluene	0.32	J	ug/kg	3.9	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.9	0.13	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:00		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.85	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	40		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	9.8	J	ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	0.26	J	ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	06/19/15 13:29		
Analyst:	MV		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	15		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	3.2	J	ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 03:46		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 04:13		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.6		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	17		ug/l	0.50	0.16	1
Toluene	46		ug/l	2.5	0.70	1
Ethylbenzene	5.4		ug/l	2.5	0.70	1
Chloromethane	1.0	J	ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	2.2	J	ug/l	2.5	0.70	1
o-Xylene	5.8		ug/l	2.5	0.70	1
Xylenes, Total	8.0	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	37		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	13		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	2.7		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	2.0	J	ug/l	2.5	0.70	1
n-Propylbenzene	3.0		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	1.5	J	ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 05:09		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	29		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.80		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	3.2		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	1.0	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	0.78	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.78	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 04:41		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/17/15 23:36		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-09	Date Collected:	06/12/15 00:00
Client ID:	TRIP BLANK	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	06/18/15 00:04		
Analyst:	MS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-09 Date Collected: 06/12/15 00:00

Client ID: TRIP BLANK Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-09 Date Collected: 06/12/15 00:00

Client ID: TRIP BLANK Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/15 21:55
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-09 Batch: WG794790-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.25	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	3.7	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	1.5	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/15 09:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG795678-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
Methylene chloride	91		98		70-130	7		20
1,1-Dichloroethane	85		92		70-130	8		20
Chloroform	87		94		70-130	8		20
Carbon tetrachloride	86		94		63-132	9		20
1,2-Dichloropropane	85		92		70-130	8		20
Dibromochloromethane	84		92		63-130	9		20
1,1,2-Trichloroethane	88		93		70-130	6		20
Tetrachloroethene	89		93		70-130	4		20
Chlorobenzene	89		93		75-130	4		20
Trichlorofluoromethane	86		94		62-150	9		20
1,2-Dichloroethane	84		90		70-130	7		20
1,1,1-Trichloroethane	86		93		67-130	8		20
Bromodichloromethane	84		91		67-130	8		20
trans-1,3-Dichloropropene	84		92		70-130	9		20
cis-1,3-Dichloropropene	86		93		70-130	8		20
1,1-Dichloropropene	87		94		70-130	8		20
Bromoform	77		84		54-136	9		20
1,1,2,2-Tetrachloroethane	83		90		67-130	8		20
Benzene	85		92		70-130	8		20
Toluene	88		92		70-130	4		20
Ethylbenzene	88		95		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
Chloromethane	86		93		64-130	8		20
Bromomethane	86		108		39-139	**23**	Q	20
Vinyl chloride	91		99		55-140	8		20
Chloroethane	82		91		55-138	10		20
1,1-Dichloroethene	91		98		61-145	7		20
trans-1,2-Dichloroethene	87		95		70-130	9		20
Trichloroethene	86		94		70-130	9		20
1,2-Dichlorobenzene	87		91		70-130	4		20
1,3-Dichlorobenzene	89		94		70-130	5		20
1,4-Dichlorobenzene	88		92		70-130	4		20
Methyl tert butyl ether	84		92		63-130	9		20
p/m-Xylene	89		95		70-130	7		20
o-Xylene	88		95		70-130	8		20
cis-1,2-Dichloroethene	89		96		70-130	8		20
Dibromomethane	85		92		70-130	8		20
1,2,3-Trichloropropane	84		90		64-130	7		20
Acrylonitrile	81		87		70-130	7		20
Styrene	86		93		70-130	8		20
Dichlorodifluoromethane	87		95		36-147	9		20
Acetone	107		109		58-148	2		20
Carbon disulfide	86		89		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
2-Butanone	96		102		63-138	6		20
Vinyl acetate	80		87		70-130	8		20
4-Methyl-2-pentanone	76		82		59-130	8		20
2-Hexanone	75		83		57-130	10		20
Bromochloromethane	91		98		70-130	7		20
2,2-Dichloropropane	93		101		63-133	8		20
1,2-Dibromoethane	85		92		70-130	8		20
1,3-Dichloropropane	84		92		70-130	9		20
1,1,1,2-Tetrachloroethane	87		94		64-130	8		20
Bromobenzene	89		93		70-130	4		20
n-Butylbenzene	98		101		53-136	3		20
sec-Butylbenzene	94		99		70-130	5		20
tert-Butylbenzene	92		96		70-130	4		20
o-Chlorotoluene	88		94		70-130	7		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	84		94		41-144	11		20
Hexachlorobutadiene	99		103		63-130	4		20
Isopropylbenzene	91		95		70-130	4		20
p-Isopropyltoluene	96		100		70-130	4		20
Naphthalene	83		94		70-130	12		20
n-Propylbenzene	92		95		69-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 Batch: WG794790-1 WG794790-2								
1,2,3-Trichlorobenzene	76		92		70-130	19		20
1,2,4-Trichlorobenzene	81		92		70-130	13		20
1,3,5-Trimethylbenzene	94		96		64-130	2		20
1,2,4-Trimethylbenzene	96		97		70-130	1		20
1,4-Dioxane	72		98		56-162	**31**	Q	20
p-Diethylbenzene	99		101		70-130	2		20
p-Ethyltoluene	95		97		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		97		70-130	5		20
Ethyl ether	86		94		59-134	9		20
trans-1,4-Dichloro-2-butene	81		90		70-130	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Methylene chloride	100		95		70-130	5		30
1,1-Dichloroethane	102		96		70-130	6		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	109		97		70-130	12		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	94		95		70-130	1		30
2-Chloroethylvinyl ether	84		86		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	109		101		70-130	8		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	116		102		70-139	13		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	106		96		70-130	10		30
Bromodichloromethane	99		95		70-130	4		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	100		98		70-130	2		30
1,1-Dichloropropene	110		99		70-130	11		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	82		87		70-130	6		30
Benzene	103		96		70-130	7		30
Toluene	96		90		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Ethylbenzene	101		95		70-130	6		30
Chloromethane	95		88		52-130	8		30
Bromomethane	107		98		57-147	9		30
Vinyl chloride	95		83		67-130	13		30
Chloroethane	106		96		50-151	10		30
1,1-Dichloroethene	110		99		65-135	11		30
trans-1,2-Dichloroethene	108		98		70-130	10		30
Trichloroethene	108		99		70-130	9		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	104		98		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	104		99		70-130	5		30
Dibromomethane	96		96		70-130	0		30
Styrene	103		98		70-130	5		30
Dichlorodifluoromethane	80		69		30-146	15		30
Acetone	87		100		54-140	14		30
Carbon disulfide	100		90		59-130	11		30
2-Butanone	90		92		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Vinyl acetate	94		96		70-130	2		30
4-Methyl-2-pentanone	89		93		70-130	4		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	81		86		70-130	6		30
Bromochloromethane	104		102		70-130	2		30
2,2-Dichloropropane	109		99		70-130	10		30
1,2-Dibromoethane	93		93		70-130	0		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	98		96		70-130	2		30
n-Butylbenzene	103		98		70-130	5		30
sec-Butylbenzene	104		96		70-130	8		30
tert-Butylbenzene	101		94		70-130	7		30
o-Chlorotoluene	97		91		70-130	6		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	83		91		68-130	9		30
Hexachlorobutadiene	110		103		67-130	7		30
Isopropylbenzene	100		94		70-130	6		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	92		94		70-130	2		30
Acrylonitrile	98		103		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Diisopropyl Ether	102		100		66-130	2		30
Tert-Butyl Alcohol	81		86		70-130	6		30
n-Propylbenzene	100		94		70-130	6		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	100		94		70-130	6		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
Methyl Acetate	89		96		51-146	8		30
Ethyl Acetate	87		93		70-130	7		30
Acrolein	94		96		70-130	2		30
Cyclohexane	116		102		59-142	13		30
1,4-Dioxane	91		93		65-136	2		30
Freon-113	114		101		50-139	12		30
p-Diethylbenzene	104		97		70-130	7		30
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	88		101		66-130	14		30
Ethyl ether	94		93		67-130	1		30
trans-1,4-Dichloro-2-butene	86		90		70-130	5		30
Methyl cyclohexane	114		101		70-130	12		30
Ethyl-Tert-Butyl-Ether	97		96		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG795678-1 WG795678-2								
Tertiary-Amyl Methyl Ether	93		93		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		95		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
Methylene chloride	ND	10	11	112		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	11	112		11	112		70-130	0		20
Chloroform	29	10	38	92		40	109		70-130	5		20
Carbon tetrachloride	ND	10	11	111		10	106		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	108		70-130	0		20
Dibromochloromethane	ND	10	11	108		10	105		63-130	10		20
1,1,2-Trichloroethane	ND	10	11	106		11	107		70-130	0		20
Tetrachloroethene	0.80	10	12	107		11	103		70-130	9		20
Chlorobenzene	ND	10	11	107		10	104		75-130	10		20
Trichlorofluoromethane	ND	10	11	111		11	108		62-150	0		20
1,2-Dichloroethane	ND	10	10	105		10	105		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	113		11	109		67-130	0		20
Bromodichloromethane	3.2	10	14	108		14	107		67-130	0		20
trans-1,3-Dichloropropene	ND	10	10	102		10	101		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	102		10	101		70-130	0		20
1,1-Dichloropropene	ND	10	11	114		11	107		70-130	0		20
Bromoform	ND	10	9.3	93		9.5	95		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		10	103		67-130	0		20
Benzene	ND	10	11	110		11	107		70-130	0		20
Toluene	1.0J	10	12	119		11	114		70-130	9		20
Ethylbenzene	ND	10	11	114		11	107		70-130	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
Chloromethane	ND	10	12	116		12	121		64-130	0		20
Bromomethane	ND	10	11	108		12	124		39-139	9		20
Vinyl chloride	ND	10	12	122		12	123		55-140	0		20
Chloroethane	ND	10	11	114		11	114		55-138	0		20
1,1-Dichloroethene	ND	10	12	116		11	111		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	112		11	108		70-130	0		20
Trichloroethene	ND	10	11	110		11	106		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	103		10	102		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
Methyl tert butyl ether	ND	10	10	101		10	101		63-130	0		20
p/m-Xylene	0.78J	20	22	113		21	106		70-130	5		20
o-Xylene	ND	20	22	110		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	111		11	110		70-130	0		20
Dibromomethane	ND	10	10	105		10	104		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.9	100		10	103		64-130	1		20
Acrylonitrile	ND	10	10	102		10	101		70-130	0		20
Styrene	ND	20	21	107		20	102		70-130	5		20
Dichlorodifluoromethane	ND	10	10	104		10	105		36-147	0		20
Acetone	3.4J	10	12	124		13	131		58-148	8		20
Carbon disulfide	ND	10	11	107		10	105		51-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
2-Butanone	ND	10	9.1	91		9.3	93		63-138	2		20
Vinyl acetate	ND	10	9.9	99		9.8	98		70-130	1		20
4-Methyl-2-pentanone	ND	10	9.3	93		9.2	92		59-130	1		20
2-Hexanone	ND	10	10	106		11	109		57-130	10		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	10	105		10	102		63-133	0		20
1,2-Dibromoethane	ND	10	10	104		10	104		70-130	0		20
1,3-Dichloropropane	ND	10	10	105		10	104		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	11	109		10	105		64-130	10		20
Bromobenzene	ND	10	10	103		10	102		70-130	0		20
n-Butylbenzene	ND	10	11	108		10	103		53-136	10		20
sec-Butylbenzene	ND	10	11	109		10	102		70-130	10		20
tert-Butylbenzene	ND	10	11	108		10	103		70-130	10		20
o-Chlorotoluene	ND	10	10	106		10	103		70-130	0		20
p-Chlorotoluene	ND	10	10	105		10	105		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.4	94		9.9	100		41-144	5		20
Hexachlorobutadiene	ND	10	8.5	85		8.3	83		63-130	2		20
Isopropylbenzene	ND	10	11	108		10	103		70-130	10		20
p-Isopropyltoluene	ND	10	11	107		10	102		70-130	10		20
Naphthalene	ND	10	8.5	85		10	102		70-130	16		20
n-Propylbenzene	ND	10	11	109		10	105		69-130	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG794790-4 WG794790-5 QC Sample: L1513391-06 Client ID: MW-9												
1,2,3-Trichlorobenzene	ND	10	8.3	83		9.9	99		70-130	18		20
1,2,4-Trichlorobenzene	ND	10	8.7	87		9.6	96		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	11	108		10	104		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	11	110		11	107		70-130	0		20
1,4-Dioxane	ND	500	330	67		500	100		56-162	**41**	Q	20
p-Diethylbenzene	ND	10	11	108		10	104		70-130	10		20
p-Ethyltoluene	ND	10	11	112		11	109		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	9.9	99		10	100		70-130	1		20
Ethyl ether	ND	10	10	105		11	107		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	9.3	94		9.7	97		70-130	4		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	100		100		70-130
Toluene-d8	101		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Methylene chloride	ND	21.8	22	98		21	101		70-130	1		30
1,1-Dichloroethane	ND	21.8	23	105		23	109		70-130	0		30
Chloroform	ND	21.8	22	102		22	106		70-130	0		30
Carbon tetrachloride	ND	21.8	23	104		23	108		70-130	0		30
1,2-Dichloropropane	ND	21.8	23	104		23	109		70-130	1		30
Dibromochloromethane	ND	21.8	21	97		21	100		70-130	0		30
1,1,2-Trichloroethane	ND	21.8	21	97		21	100		70-130	0		30
Tetrachloroethene	ND	21.8	23	104		23	111		70-130	3		30
Chlorobenzene	ND	21.8	22	98		22	103		70-130	1		30
Trichlorofluoromethane	ND	21.8	22	102		22	106		70-139	0		30
1,2-Dichloroethane	ND	21.8	21	98		21	100		70-130	2		30
1,1,1-Trichloroethane	ND	21.8	23	104		23	109		70-130	0		30
Bromodichloromethane	ND	21.8	22	101		22	102		70-130	2		30
trans-1,3-Dichloropropene	ND	21.8	21	94		21	97		70-130	0		30
cis-1,3-Dichloropropene	ND	21.8	22	102		22	105		70-130	1		30
1,1-Dichloropropene	ND	21.8	24	108		24	112		70-130	0		30
Bromoform	ND	21.8	20	93		20	94		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	21.8	17	80		17	82		70-130	0		30
Benzene	4.3	21.8	24	91		26	101		70-130	6		30
Toluene	25	21.8	30	**21**	Q	39	**68**	Q	70-130	29		30
Ethylbenzene	0.93J	21.8	22	101		23	107		70-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Chloromethane	3.6J	21.8	22	99		21	99		52-130	4		30
Bromomethane	ND	21.8	23	106		22	103		57-147	7		30
Vinyl chloride	ND	21.8	20	90		20	93		67-130	0		30
Chloroethane	ND	21.8	22	102		22	106		50-151	0		30
1,1-Dichloroethene	ND	21.8	23	104		23	109		65-135	1		30
trans-1,2-Dichloroethene	ND	21.8	23	105		23	110		70-130	0		30
Trichloroethene	ND	21.8	25	115		25	118		70-130	1		30
1,2-Dichlorobenzene	ND	21.8	21	94		21	98		70-130	0		30
1,3-Dichlorobenzene	ND	21.8	20	93		21	98		70-130	1		30
1,4-Dichlorobenzene	ND	21.8	20	92		21	98		70-130	2		30
Methyl tert butyl ether	ND	21.8	21	96		21	100		66-130	0		30
p/m-Xylene	0.66J	43.7	44	102		45	106		70-130	1		30
o-Xylene	0.69J	43.7	44	101		45	106		70-130	0		30
cis-1,2-Dichloroethene	ND	21.8	23	103		23	108		70-130	0		30
Dibromomethane	ND	21.8	22	102		22	104		70-130	1		30
Styrene	ND	43.7	44	100		44	105		70-130	1		30
Dichlorodifluoromethane	ND	21.8	15	66		14	68		30-146	1		30
Acetone	7.8J	21.8	29	134		28	133		54-140	4		30
Carbon disulfide	ND	21.8	21	98		22	102		59-130	1		30
2-Butanone	4.3J	21.8	24	111		25	118		70-130	2		30
Vinyl acetate	ND	21.8	14	**66**	Q	15	71		70-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
4-Methyl-2-pentanone	ND	21.8	22	101		22	105		70-130	0		30
1,2,3-Trichloropropane	ND	21.8	20	92		20	93		68-130	2		30
2-Hexanone	ND	21.8	21	97		21	99		70-130	1		30
Bromochloromethane	ND	21.8	23	105		23	109		70-130	0		30
2,2-Dichloropropane	ND	21.8	22	102		22	105		70-130	0		30
1,2-Dibromoethane	ND	21.8	21	95		21	99		70-130	1		30
1,3-Dichloropropane	ND	21.8	21	94		21	98		69-130	0		30
1,1,1,2-Tetrachloroethane	ND	21.8	21	97		21	101		70-130	1		30
Bromobenzene	ND	21.8	21	95		21	100		70-130	2		30
n-Butylbenzene	ND	21.8	21	95		21	100		70-130	2		30
sec-Butylbenzene	ND	21.8	21	96		21	100		70-130	1		30
tert-Butylbenzene	ND	21.8	21	97		21	100		70-130	0		30
o-Chlorotoluene	ND	21.8	20	93		21	98		70-130	1		30
p-Chlorotoluene	ND	21.8	20	92		21	97		70-130	1		30
1,2-Dibromo-3-chloropropane	ND	21.8	20	93		20	96		68-130	0		30
Hexachlorobutadiene	ND	21.8	18	84		19	91		67-130	4		30
Isopropylbenzene	ND	21.8	21	98		22	102		70-130	1		30
p-Isopropyltoluene	ND	21.8	21	97		21	101		70-130	1		30
Naphthalene	ND	21.8	20	91		20	95		70-130	1		30
Acrylonitrile	ND	21.8	23	105		22	106		70-130	3		30
n-Propylbenzene	ND	21.8	22	98		22	103		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795678-4 WG795678-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
1,2,3-Trichlorobenzene	ND	21.8	20	92		20	96		70-130	1		30
1,2,4-Trichlorobenzene	ND	21.8	20	92		20	96		70-130	1		30
1,3,5-Trimethylbenzene	ND	21.8	21	96		21	100		70-130	0		30
1,2,4-Trimethylbenzene	ND	21.8	21	96		21	100		70-130	0		30
1,4-Dioxane	ND	1090	1100	100		1100	100		65-136	3		30
p-Diethylbenzene	ND	21.8	21	97		21	101		70-130	1		30
p-Ethyltoluene	0.32J	21.8	21	98		22	102		70-130	1		30
1,2,4,5-Tetramethylbenzene	ND	21.8	21	94		20	97		70-130	1		30
Ethyl ether	ND	21.8	22	99		22	102		67-130	1		30
trans-1,4-Dichloro-2-butene	ND	21.8	19	89		19	89		70-130	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	100		100		70-130
Toluene-d8	96		96		70-130

SEMIVOLATILES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 12:58		
Analyst:	AL		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01 Date Collected: 06/15/15 10:05

Client ID: SB-9 (30-32) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	65		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 13:25		
Analyst:	AL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	590		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	240	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	49		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	06/18/15 17:48
Analytical Date:	06/19/15 13:51		
Analyst:	AL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	190	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	1300		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03 Date Collected: 06/15/15 12:45

Client ID: SB-10 (24-26) Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	47		18-120

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 21:52		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	7.4	0.31	1
Bis(2-chloroethyl)ether	ND		ug/l	2.9	0.60	1
1,2-Dichlorobenzene	ND		ug/l	2.9	0.44	1
1,3-Dichlorobenzene	ND		ug/l	2.9	0.51	1
1,4-Dichlorobenzene	ND		ug/l	2.9	0.48	1
3,3'-Dichlorobenzidine	ND		ug/l	7.4	0.70	1
2,4-Dinitrotoluene	ND		ug/l	7.4	1.5	1
2,6-Dinitrotoluene	ND		ug/l	7.4	1.3	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.9	0.52	1
4-Bromophenyl phenyl ether	ND		ug/l	2.9	0.63	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.9	0.88	1
Bis(2-chloroethoxy)methane	ND		ug/l	7.4	0.88	1
Hexachlorocyclopentadiene	ND		ug/l	29	0.86	1
Isophorone	ND		ug/l	7.4	1.2	1
Nitrobenzene	ND		ug/l	2.9	0.59	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.9	0.50	1
n-Nitrosodi-n-propylamine	ND		ug/l	7.4	0.95	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	4.4	1.4	1
Butyl benzyl phthalate	ND		ug/l	7.4	1.7	1
Di-n-butylphthalate	ND		ug/l	7.4	1.1	1
Di-n-octylphthalate	ND		ug/l	7.4	1.8	1
Diethyl phthalate	ND		ug/l	7.4	0.58	1
Dimethyl phthalate	ND		ug/l	7.4	0.49	1
Biphenyl	ND		ug/l	2.9	0.35	1
4-Chloroaniline	ND		ug/l	7.4	1.2	1
2-Nitroaniline	ND		ug/l	7.4	1.4	1
3-Nitroaniline	ND		ug/l	7.4	0.98	1
4-Nitroaniline	ND		ug/l	7.4	1.2	1
Dibenzofuran	ND		ug/l	2.9	0.32	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	15	0.52	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	7.4	0.63	1
2,4,6-Trichlorophenol	ND		ug/l	7.4	1.1	1
P-Chloro-M-Cresol	ND		ug/l	2.9	0.80	1
2-Chlorophenol	ND		ug/l	2.9	0.85	1
2,4-Dichlorophenol	ND		ug/l	7.4	0.83	1
2,4-Dimethylphenol	ND		ug/l	7.4	0.85	1
2-Nitrophenol	ND		ug/l	15	1.5	1
4-Nitrophenol	ND		ug/l	15	1.6	1
2,4-Dinitrophenol	ND		ug/l	29	2.1	1
4,6-Dinitro-o-cresol	ND		ug/l	15	2.0	1
Phenol	ND		ug/l	7.4	0.40	1
2-Methylphenol	ND		ug/l	7.4	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	7.4	1.0	1
2,4,5-Trichlorophenol	ND		ug/l	7.4	1.1	1
Benzoic Acid	ND		ug/l	74	1.5	1
Benzyl Alcohol	ND		ug/l	2.9	1.0	1
Carbazole	ND		ug/l	2.9	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:05		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.29	0.09	1
2-Chloronaphthalene	ND		ug/l	0.29	0.10	1
Fluoranthene	0.88		ug/l	0.29	0.06	1
Hexachlorobutadiene	ND		ug/l	0.74	0.10	1
Naphthalene	ND		ug/l	0.29	0.09	1
Benzo(a)anthracene	0.46		ug/l	0.29	0.08	1
Benzo(a)pyrene	0.43		ug/l	0.29	0.10	1
Benzo(b)fluoranthene	0.64		ug/l	0.29	0.10	1
Benzo(k)fluoranthene	0.27	J	ug/l	0.29	0.10	1
Chrysene	0.50		ug/l	0.29	0.07	1
Acenaphthylene	ND		ug/l	0.29	0.07	1
Anthracene	0.10	J	ug/l	0.29	0.09	1
Benzo(ghi)perylene	0.37		ug/l	0.29	0.10	1
Fluorene	ND		ug/l	0.29	0.08	1
Phenanthrene	0.41		ug/l	0.29	0.09	1
Dibenzo(a,h)anthracene	0.11	J	ug/l	0.29	0.11	1
Indeno(1,2,3-cd)Pyrene	0.31		ug/l	0.29	0.12	1
Pyrene	0.80		ug/l	0.29	0.08	1
2-Methylnaphthalene	ND		ug/l	0.29	0.09	1
Pentachlorophenol	ND		ug/l	1.2	0.28	1
Hexachlorobenzene	ND		ug/l	1.2	0.02	1
Hexachloroethane	ND		ug/l	1.2	0.10	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-04 Date Collected: 06/15/15 12:00

Client ID: DUP061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	60		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 22:17		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	3.7		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	0.99	J	ug/l	5.0	0.27	1
2-Methylphenol	1.5	J	ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	59		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:30		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.08	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	1.1		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.09	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.06	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	0.54		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-05 Date Collected: 06/15/15 13:00

Client ID: GW-10 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	49		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 22:41		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	2.4	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 20:55		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.31		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.17	J	ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-06 Date Collected: 06/15/15 12:40

Client ID: MW-9 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	67		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 23:07		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	1.1	J	ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	70		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 21:20		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.12	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.24		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-07 Date Collected: 06/15/15 10:30

Client ID: MW-11 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	75		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	06/18/15 14:01
Analytical Date:	06/19/15 23:32		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08 Date Collected: 06/15/15 15:30

Client ID: FIELD BLANK 061515 Date Received: 06/15/15

Sample Location: 5 BAY STREET, STATEN ISLAND, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	78		41-149

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	06/18/15 14:02
Analytical Date:	06/19/15 21:45		
Analyst:	KV		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.07	J	ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	ND		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	ND		ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	82		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 18:57
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG794923-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**19**	Q	21-120
Phenol-d6	13		10-120
Nitrobenzene-d5	36		23-120
2-Fluorobiphenyl	38		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	97		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/15 17:59
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-08 Batch: WG794924-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/15 17:59
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 14:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-08 Batch: WG794924-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	95		41-149

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/15 09:56
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/18/15 17:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG795041-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Acenaphthene	67		59		37-111	13		30
1,2,4-Trichlorobenzene	47		42		39-98	11		30
Hexachlorobenzene	83		74		40-140	11		30
Bis(2-chloroethyl)ether	54		48		40-140	12		30
2-Chloronaphthalene	63		54		40-140	15		30
1,2-Dichlorobenzene	43		**38**	Q	40-140	12		30
1,3-Dichlorobenzene	**39**	Q	**35**	Q	40-140	11		30
1,4-Dichlorobenzene	40		**35**	Q	36-97	13		30
3,3'-Dichlorobenzidine	94		84		40-140	11		30
2,4-Dinitrotoluene	**105**	Q	89		24-96	16		30
2,6-Dinitrotoluene	94		83		40-140	12		30
Fluoranthene	90		77		40-140	16		30
4-Chlorophenyl phenyl ether	74		66		40-140	11		30
4-Bromophenyl phenyl ether	81		70		40-140	15		30
Bis(2-chloroisopropyl)ether	43		**39**	Q	40-140	10		30
Bis(2-chloroethoxy)methane	61		53		40-140	14		30
Hexachlorobutadiene	44		**39**	Q	40-140	12		30
Hexachlorocyclopentadiene	48		43		40-140	11		30
Hexachloroethane	**35**	Q	**30**	Q	40-140	15		30
Isophorone	64		56		40-140	13		30
Naphthalene	56		51		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Nitrobenzene	62		56		40-140	10		30
NitrosoDiPhenylAmine(NDPA)/DPA	82		72		40-140	13		30
n-Nitrosodi-n-propylamine	61		54		29-132	12		30
Bis(2-Ethylhexyl)phthalate	93		81		40-140	14		30
Butyl benzyl phthalate	92		80		40-140	14		30
Di-n-butylphthalate	92		80		40-140	14		30
Di-n-octylphthalate	98		85		40-140	14		30
Diethyl phthalate	84		74		40-140	13		30
Dimethyl phthalate	83		73		40-140	13		30
Benzo(a)anthracene	89		75		40-140	17		30
Benzo(a)pyrene	83		71		40-140	16		30
Benzo(b)fluoranthene	86		71		40-140	19		30
Benzo(k)fluoranthene	83		73		40-140	13		30
Chrysene	87		74		40-140	16		30
Acenaphthylene	72		62		45-123	15		30
Anthracene	86		76		40-140	12		30
Benzo(ghi)perylene	84		70		40-140	18		30
Fluorene	78		68		40-140	14		30
Phenanthrene	82		73		40-140	12		30
Dibenzo(a,h)anthracene	86		72		40-140	18		30
Indeno(1,2,3-cd)Pyrene	86		73		40-140	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
Pyrene	89		77		26-127	14		30
Biphenyl	68		60		54-104	13		30
4-Chloroaniline	58		54		40-140	7		30
2-Nitroaniline	92		78		52-143	16		30
3-Nitroaniline	82		72		25-145	13		30
4-Nitroaniline	83		76		51-143	9		30
Dibenzofuran	73		64		40-140	13		30
2-Methylnaphthalene	56		50		40-140	11		30
1,2,4,5-Tetrachlorobenzene	56		50		2-134	11		30
Acetophenone	65		58		39-129	11		30
2,4,6-Trichlorophenol	78		68		30-130	14		30
P-Chloro-M-Cresol	78		66		23-97	17		30
2-Chlorophenol	60		56		27-123	7		30
2,4-Dichlorophenol	75		66		30-130	13		30
2,4-Dimethylphenol	72		63		30-130	13		30
2-Nitrophenol	76		70		30-130	8		30
4-Nitrophenol	42		37		10-80	13		30
2,4-Dinitrophenol	85		63		20-130	30		30
4,6-Dinitro-o-cresol	99		83		20-164	18		30
Pentachlorophenol	74		58		9-103	24		30
Phenol	29		26		12-110	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG794923-2 WG794923-3								
2-Methylphenol	58		51		30-130	13		30
3-Methylphenol/4-Methylphenol	57		49		30-130	15		30
2,4,5-Trichlorophenol	84		73		30-130	14		30
Benzoic Acid	17		**3**	Q	10-110	**143**	Q	30
Benzyl Alcohol	54		48		15-110	12		30
Carbazole	86		76		55-144	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		36		21-120
Phenol-d6	28		25		10-120
Nitrobenzene-d5	66		59		23-120
2-Fluorobiphenyl	78		68		15-120
2,4,6-Tribromophenol	85		74		10-120
4-Terphenyl-d14	94		81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 Batch: WG794924-2 WG794924-3								
Acenaphthene	91		101		37-111	10		40
2-Chloronaphthalene	93		102		40-140	9		40
Fluoranthene	110		124		40-140	12		40
Hexachlorobutadiene	62		67		40-140	8		40
Naphthalene	81		87		40-140	7		40
Benzo(a)anthracene	104		117		40-140	12		40
Benzo(a)pyrene	105		119		40-140	13		40
Benzo(b)fluoranthene	104		118		40-140	13		40
Benzo(k)fluoranthene	101		113		40-140	11		40
Chrysene	96		108		40-140	12		40
Acenaphthylene	101		111		40-140	9		40
Anthracene	101		114		40-140	12		40
Benzo(ghi)perylene	110		125		40-140	13		40
Fluorene	96		108		40-140	12		40
Phenanthrene	98		109		40-140	11		40
Dibenzo(a,h)anthracene	114		130		40-140	13		40
Indeno(1,2,3-cd)Pyrene	114		130		40-140	13		40
Pyrene	109		123		26-127	12		40
2-Methylnaphthalene	91		99		40-140	8		40
Pentachlorophenol	79		93		9-103	16		40
Hexachlorobenzene	86		96		40-140	11		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 Batch: WG794924-2 WG794924-3								
Hexachloroethane	63		65		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		53		21-120
Phenol-d6	38		41		10-120
Nitrobenzene-d5	88		96		23-120
2-Fluorobiphenyl	90		100		15-120
2,4,6-Tribromophenol	99		111		10-120
4-Terphenyl-d14	94		105		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Acenaphthene	83		88		31-137	6		50
1,2,4-Trichlorobenzene	77		80		38-107	4		50
Hexachlorobenzene	81		90		40-140	11		50
Bis(2-chloroethyl)ether	83		84		40-140	1		50
2-Chloronaphthalene	85		88		40-140	3		50
1,2-Dichlorobenzene	77		76		40-140	1		50
1,3-Dichlorobenzene	73		73		40-140	0		50
1,4-Dichlorobenzene	75		75		28-104	0		50
3,3'-Dichlorobenzidine	76		81		40-140	6		50
2,4-Dinitrotoluene	84		**91**	Q	28-89	8		50
2,6-Dinitrotoluene	85		93		40-140	9		50
Fluoranthene	84		89		40-140	6		50
4-Chlorophenyl phenyl ether	83		88		40-140	6		50
4-Bromophenyl phenyl ether	83		93		40-140	11		50
Bis(2-chloroisopropyl)ether	88		90		40-140	2		50
Bis(2-chloroethoxy)methane	86		90		40-117	5		50
Hexachlorobutadiene	80		79		40-140	1		50
Hexachlorocyclopentadiene	63		68		40-140	8		50
Hexachloroethane	77		78		40-140	1		50
Isophorone	87		91		40-140	4		50
Naphthalene	79		81		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Nitrobenzene	84		85		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	87		94		36-157	8		50
n-Nitrosodi-n-propylamine	88		91		32-121	3		50
Bis(2-Ethylhexyl)phthalate	92		98		40-140	6		50
Butyl benzyl phthalate	90		91		40-140	1		50
Di-n-butylphthalate	88		94		40-140	7		50
Di-n-octylphthalate	92		98		40-140	6		50
Diethyl phthalate	86		92		40-140	7		50
Dimethyl phthalate	87		96		40-140	10		50
Benzo(a)anthracene	85		90		40-140	6		50
Benzo(a)pyrene	82		88		40-140	7		50
Benzo(b)fluoranthene	81		85		40-140	5		50
Benzo(k)fluoranthene	82		90		40-140	9		50
Chrysene	83		89		40-140	7		50
Acenaphthylene	84		89		40-140	6		50
Anthracene	86		92		40-140	7		50
Benzo(ghi)perylene	77		83		40-140	8		50
Fluorene	84		90		40-140	7		50
Phenanthrene	84		89		40-140	6		50
Dibenzo(a,h)anthracene	77		87		40-140	12		50
Indeno(1,2,3-cd)Pyrene	76		85		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
Pyrene	85		91		35-142	7		50
Biphenyl	91		98		54-104	7		50
4-Chloroaniline	92		100		40-140	8		50
2-Nitroaniline	85		94		47-134	10		50
3-Nitroaniline	77		80		26-129	4		50
4-Nitroaniline	82		87		41-125	6		50
Dibenzofuran	84		88		40-140	5		50
2-Methylnaphthalene	83		85		40-140	2		50
1,2,4,5-Tetrachlorobenzene	87		91		40-117	4		50
Acetophenone	81		84		14-144	4		50
2,4,6-Trichlorophenol	81		89		30-130	9		50
P-Chloro-M-Cresol	84		91		26-103	8		50
2-Chlorophenol	80		83		25-102	4		50
2,4-Dichlorophenol	83		88		30-130	6		50
2,4-Dimethylphenol	92		97		30-130	5		50
2-Nitrophenol	82		85		30-130	4		50
4-Nitrophenol	88		97		11-114	10		50
2,4-Dinitrophenol	57		67		4-130	16		50
4,6-Dinitro-o-cresol	75		88		10-130	16		50
Pentachlorophenol	64		72		17-109	12		50
Phenol	82		84		26-90	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG795041-2 WG795041-3								
2-Methylphenol	86		89		30-130.	3		50
3-Methylphenol/4-Methylphenol	93		98		30-130	5		50
2,4,5-Trichlorophenol	85		86		30-130	1		50
Benzoic Acid	31		36		10-66	15		50
Benzyl Alcohol	87		93		40-140	7		50
Carbazole	84		90		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		81		25-120
Phenol-d6	87		88		10-120
Nitrobenzene-d5	87		87		23-120
2-Fluorobiphenyl	85		86		30-120
2,4,6-Tribromophenol	79		82		10-136
4-Terphenyl-d14	84		91		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Acenaphthene	ND	40	22	55		30	75		37-111	**31**	Q	30
1,2,4-Trichlorobenzene	ND	40	14	**35**	Q	24	60		39-98	**53**	Q	30
Hexachlorobenzene	ND	40	24	60		34	85		40-140	**34**	Q	30
Bis(2-chloroethyl)ether	ND	40	15	**38**	Q	24	60		40-140	**46**	Q	30
2-Chloronaphthalene	ND	40	20	50		30	75		40-140	**40**	Q	30
1,2-Dichlorobenzene	ND	40	11	**28**	Q	21	53		40-140	**63**	Q	30
1,3-Dichlorobenzene	ND	40	9.5	**24**	Q	19	48		40-140	**67**	Q	30
1,4-Dichlorobenzene	ND	40	10	**25**	Q	20	50		36-97	**67**	Q	30
3,3'-Dichlorobenzidine	ND	40	15	**38**	Q	19	48		40-140	24		30
2,4-Dinitrotoluene	ND	40	29	73		41	**100**	Q	24-96	**34**	Q	30
2,6-Dinitrotoluene	ND	40	27	68		37	93		40-140	**31**	Q	30
Fluoranthene	ND	40	25	63		34	85		40-140	**31**	Q	30
4-Chlorophenyl phenyl ether	ND	40	23	58		32	80		40-140	**33**	Q	30
4-Bromophenyl phenyl ether	ND	40	24	60		33	83		40-140	**32**	Q	30
Bis(2-chloroisopropyl)ether	ND	40	13	**33**	Q	20	50		40-140	**42**	Q	30
Bis(2-chloroethoxy)methane	ND	40	17	43		26	65		40-140	**42**	Q	30
Hexachlorobutadiene	ND	40	12	**30**	Q	22	55		40-140	**59**	Q	30
Hexachlorocyclopentadiene	ND	40	20	50		30	75		40-140	**40**	Q	30
Hexachloroethane	ND	40	8.4	**21**	Q	17	43		40-140	**68**	Q	30
Isophorone	ND	40	18	45		27	68		40-140	**40**	Q	30
Naphthalene	ND	40	17	43		27	68		40-140	**45**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Nitrobenzene	ND	40	18	45		28	70		40-140	**43**	Q	30
NitrosoDiPhenylAmine(NDPA)/DPA	ND	40	24	60		32	80		40-140	29		30
n-Nitrosodi-n-propylamine	ND	40	19	48		28	70		29-132	**38**	Q	30
Bis(2-Ethylhexyl)phthalate	2.4J	40	27	68		42	110		40-140	**43**	Q	30
Butyl benzyl phthalate	ND	40	26	65		36	90		40-140	**32**	Q	30
Di-n-butylphthalate	ND	40	26	65		36	90		40-140	**32**	Q	30
Di-n-octylphthalate	ND	40	28	70		39	98		40-140	**33**	Q	30
Diethyl phthalate	ND	40	25	63		34	85		40-140	**31**	Q	30
Dimethyl phthalate	ND	40	24	60		34	85		40-140	**34**	Q	30
Benzo(a)anthracene	ND	40	24	60		34	85		40-140	**34**	Q	30
Benzo(a)pyrene	ND	40	23	58		31	78		40-140	30		30
Benzo(b)fluoranthene	ND	40	24	60		33	83		40-140	**32**	Q	30
Benzo(k)fluoranthene	ND	40	23	58		31	78		40-140	30		30
Chrysene	ND	40	24	60		34	85		40-140	**34**	Q	30
Acenaphthylene	ND	40	22	55		31	78		45-123	**34**	Q	30
Anthracene	ND	40	24	60		32	80		40-140	29		30
Benzo(ghi)perylene	ND	40	24	60		32	80		40-140	29		30
Fluorene	ND	40	24	60		33	83		40-140	**32**	Q	30
Phenanthrene	ND	40	24	60		33	83		40-140	**32**	Q	30
Dibenzo(a,h)anthracene	ND	40	24	60		33	83		40-140	**32**	Q	30
Indeno(1,2,3-cd)Pyrene	ND	40	24	60		33	83		40-140	**32**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
Pyrene	ND	40	25	63		34	85		26-127	**31**	Q	30
Biphenyl	ND	40	24	60		33	83		54-104	**32**	Q	30
4-Chloroaniline	ND	40	16	40		20	50		40-140	22		30
2-Nitroaniline	ND	40	26	65		36	90		52-143	**32**	Q	30
3-Nitroaniline	ND	40	25	63		31	78		25-145	21		30
4-Nitroaniline	ND	40	23	58		29	73		51-143	23		30
Dibenzofuran	ND	40	24	60		33	83		40-140	**32**	Q	30
2-Methylnaphthalene	ND	40	19	48		28	70		40-140	**38**	Q	30
1,2,4,5-Tetrachlorobenzene	ND	40	21	53		30	75		2-134	**35**	Q	30
Acetophenone	ND	40	18	45		29	73		39-129	**47**	Q	30
2,4,6-Trichlorophenol	ND	40	22	55		32	80		30-130	**37**	Q	30
P-Chloro-M-Cresol	ND	40	22	55		31	78		23-97	**34**	Q	30
2-Chlorophenol	ND	40	18	45		26	65		27-123	**36**	Q	30
2,4-Dichlorophenol	ND	40	22	55		32	80		30-130	**37**	Q	30
2,4-Dimethylphenol	ND	40	11	**28**	Q	15	38		30-130	**31**	Q	30
2-Nitrophenol	ND	40	22	55		33	83		30-130	**40**	Q	30
4-Nitrophenol	ND	40	13	33		18	45		10-80	**32**	Q	30
2,4-Dinitrophenol	ND	40	28	70		37	93		20-130	28		30
4,6-Dinitro-o-cresol	ND	40	28	70		38	95		20-164	30		30
Pentachlorophenol	ND	40	23	58		32	80		9-103	**33**	Q	30
Phenol	ND	40	8.5	21		12	30		12-110	**34**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794923-4 WG794923-5 QC Sample: L1513391-06 Client ID: MW-9												
2-Methylphenol	ND	40	16	40		22	55		30-130	**32**	Q	30
3-Methylphenol/4-Methylphenol	ND	40	16	40		22	55		30-130	**32**	Q	30
2,4,5-Trichlorophenol	ND	40	24	60		34	85		30-130	**34**	Q	30
Benzoic Acid	ND	40	8.8J	22		10.J	25		10-110	13		30
Benzyl Alcohol	ND	40	16	40		24	60		15-110	**40**	Q	30
Carbazole	ND	40	24	60		33	83		55-144	**32**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	58		81		10-120
2-Fluorobiphenyl	56		80		15-120
2-Fluorophenol	27		40		21-120
4-Terphenyl-d14	58		82		41-149
Nitrobenzene-d5	47		71		23-120
Phenol-d6	21		29		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794924-4 WG794924-5 QC Sample: L1513391-06 Client ID: MW-9												
Acenaphthene	ND	40	33	83		45	110		37-111	31		40
2-Chloronaphthalene	ND	40	34	85		46	120		40-140	30		40
Fluoranthene	ND	40	39	98		52	130		40-140	29		40
Hexachlorobutadiene	ND	40	22	55		29	73		40-140	27		40
Naphthalene	0.31	40	27	67		40	99		40-140	39		40
Benzo(a)anthracene	ND	40	37	93		49	120		40-140	28		40
Benzo(a)pyrene	ND	40	37	93		49	120		40-140	28		40
Benzo(b)fluoranthene	ND	40	38	95		47	120		40-140	21		40
Benzo(k)fluoranthene	ND	40	35	88		48	120		40-140	31		40
Chrysene	ND	40	34	85		45	110		40-140	28		40
Acenaphthylene	ND	40	36	90		47	120		40-140	27		40
Anthracene	ND	40	36	90		46	120		40-140	24		40
Benzo(ghi)perylene	ND	40	39	98		51	130		40-140	27		40
Fluorene	ND	40	35	88		47	120		40-140	29		40
Phenanthrene	ND	40	36	90		47	120		40-140	27		40
Dibenzo(a,h)anthracene	ND	40	40	100		53	130		40-140	28		40
Indeno(1,2,3-cd)Pyrene	ND	40	40	100		53	130		40-140	28		40
Pyrene	ND	40	39	98		52	**130**	Q	26-127	29		40
2-Methylnaphthalene	0.17J	40	31	78		44	110		40-140	35		40
Pentachlorophenol	ND	40	34	85		46	**120**	Q	9-103	30		40
Hexachlorobenzene	ND	40	32	80		43	110		40-140	29		40

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794924-4 WG794924-5 QC Sample: L1513391-06 Client ID: MW-9												
Hexachloroethane	ND	40	14	**35**	Q	27	68		40-140	**63**	Q	40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	77		102		10-120
2-Fluorobiphenyl	85		114		15-120
2-Fluorophenol	43		61		21-120
4-Terphenyl-d14	75		99		41-149
Nitrobenzene-d5	76		110		23-120
Phenol-d6	34		44		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Acenaphthene	ND	1590	1400	88		1200	75		31-137	15		50
1,2,4-Trichlorobenzene	ND	1590	1300	82		1100	69		38-107	17		50
Hexachlorobenzene	ND	1590	1300	82		1100	69		40-140	17		50
Bis(2-chloroethyl)ether	ND	1590	1300	82		1100	69		40-140	17		50
2-Chloronaphthalene	ND	1590	1400	88		1200	75		40-140	15		50
1,2-Dichlorobenzene	ND	1590	1200	75		1000	63		40-140	18		50
1,3-Dichlorobenzene	ND	1590	1200	75		1000	63		40-140	18		50
1,4-Dichlorobenzene	ND	1590	1200	75		1000	63		28-104	18		50
3,3'-Dichlorobenzidine	ND	1590	1100	69		960	60		40-140	14		50
2,4-Dinitrotoluene	ND	1590	1400	88		1100	69		28-89	24		50
2,6-Dinitrotoluene	ND	1590	1400	88		1200	75		40-140	15		50
Fluoranthene	ND	1590	1400	88		1200	75		40-140	15		50
4-Chlorophenyl phenyl ether	ND	1590	1400	88		1200	75		40-140	15		50
4-Bromophenyl phenyl ether	ND	1590	1400	88		1100	69		40-140	24		50
Bis(2-chloroisopropyl)ether	ND	1590	1400	88		1200	75		40-140	15		50
Bis(2-chloroethoxy)methane	ND	1590	1400	88		1200	75		40-117	15		50
Hexachlorobutadiene	ND	1590	1300	82		1100	69		40-140	17		50
Hexachlorocyclopentadiene	ND	1590	1000	63		870	55		40-140	14		50
Hexachloroethane	ND	1590	1200	75		1100	69		40-140	9		50
Isophorone	ND	1590	1400	88		1200	75		40-140	15		50
Naphthalene	ND	1590	1300	82		1100	69		40-140	17		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Nitrobenzene	ND	1590	1400	88		1200	75		40-140	15		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1590	1400	88		1200	75		36-157	15		50
n-Nitrosodi-n-propylamine	ND	1590	1400	88		1200	75		32-121	15		50
Bis(2-Ethylhexyl)phthalate	ND	1590	1500	94		1200	75		40-140	22		50
Butyl benzyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Di-n-butylphthalate	ND	1590	1400	88		1200	75		40-140	15		50
Di-n-octylphthalate	ND	1590	1500	94		1200	75		40-140	22		50
Diethyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Dimethyl phthalate	ND	1590	1400	88		1200	75		40-140	15		50
Benzo(a)anthracene	ND	1590	1400	88		1100	69		40-140	24		50
Benzo(a)pyrene	ND	1590	1300	82		1100	69		40-140	17		50
Benzo(b)fluoranthene	ND	1590	1300	82		1100	69		40-140	17		50
Benzo(k)fluoranthene	ND	1590	1400	88		1100	69		40-140	24		50
Chrysene	ND	1590	1300	82		1200	75		40-140	8		50
Acenaphthylene	ND	1590	1400	88		1200	75		40-140	15		50
Anthracene	ND	1590	1400	88		1200	75		40-140	15		50
Benzo(ghi)perylene	ND	1590	1200	75		1000	63		40-140	18		50
Fluorene	ND	1590	1400	88		1200	75		40-140	15		50
Phenanthrene	ND	1590	1400	88		1200	75		40-140	15		50
Dibenzo(a,h)anthracene	ND	1590	1200	75		1000	63		40-140	18		50
Indeno(1,2,3-cd)Pyrene	ND	1590	1200	75		1000	63		40-140	18		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Pyrene	ND	1590	1400	88		1200	75		35-142	15		50
Biphenyl	ND	1590	1500	94		1200	75		54-104	22		50
4-Chloroaniline	ND	1590	1500	94		1300	82		40-140	14		50
2-Nitroaniline	ND	1590	1400	88		1200	75		47-134	15		50
3-Nitroaniline	ND	1590	1200	75		1000	63		26-129	18		50
4-Nitroaniline	ND	1590	1300	82		1100	69		41-125	17		50
Dibenzofuran	ND	1590	1400	88		1200	75		40-140	15		50
2-Methylnaphthalene	ND	1590	1400	88		1100	69		40-140	24		50
1,2,4,5-Tetrachlorobenzene	ND	1590	1400	88		1200	75		40-117	15		50
Acetophenone	ND	1590	1300	82		1100	69		14-144	17		50
2,4,6-Trichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
P-Chloro-M-Cresol	ND	1590	1400	88		1200	75		26-103	15		50
2-Chlorophenol	ND	1590	1300	82		1100	69		25-102	17		50
2,4-Dichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
2,4-Dimethylphenol	ND	1590	1500	94		1200	75		30-130	22		50
2-Nitrophenol	ND	1590	1300	82		1100	69		30-130	17		50
4-Nitrophenol	ND	1590	1500	94		1100	69		11-114	31		50
2,4-Dinitrophenol	ND	1590	320J	20		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1590	900	57		630	40		10-130	35		50
Pentachlorophenol	ND	1590	1100	69		810	51		17-109	30		50
Phenol	ND	1590	1300	82		1100	69		26-90	17		50

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795041-4 WG795041-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
2-Methylphenol	ND	1590	1400	88		1200	75		30-130.	15		50
3-Methylphenol/4-Methylphenol	ND	1590	1500	94		1200	75		30-130	22		50
2,4,5-Trichlorophenol	ND	1590	1400	88		1100	69		30-130	24		50
Benzoic Acid	ND	1590	ND	**0**	Q	ND	**0**	Q	10-66	NC		50
Benzyl Alcohol	ND	1590	1400	88		1200	75		40-140	15		50
Carbazole	ND	1590	1400	88		1200	75		54-128	15		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	81		68		10-136
2-Fluorobiphenyl	87		73		30-120
2-Fluorophenol	80		67		25-120
4-Terphenyl-d14	81		72		18-120
Nitrobenzene-d5	87		76		23-120
Phenol-d6	84		72		10-120

PCBS

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:10	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.12	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.83	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	A
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:22	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	2.96	1	A
Aroclor 1221	ND		ug/kg	37.4	3.45	1	A
Aroclor 1232	ND		ug/kg	37.4	4.39	1	A
Aroclor 1242	ND		ug/kg	37.4	4.58	1	A
Aroclor 1248	ND		ug/kg	37.4	3.16	1	A
Aroclor 1254	ND		ug/kg	37.4	3.08	1	A
Aroclor 1260	ND		ug/kg	37.4	2.85	1	A
Aroclor 1262	ND		ug/kg	37.4	1.86	1	A
Aroclor 1268	ND		ug/kg	37.4	5.43	1	A
PCBs, Total	ND		ug/kg	37.4	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/18/15 15:43
Analytical Date:	06/19/15 13:35	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.99	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.63	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.11	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.88	1	A
Aroclor 1268	ND		ug/kg	37.8	5.48	1	A
PCBs, Total	ND		ug/kg	37.8	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:04	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:16	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:29	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	34		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	40		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:41	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	06/18/15 20:37
Analytical Date:	06/19/15 14:54	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/19/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	41		30-150	A

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513391

Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/15 01:52
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/18/15 15:43
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG794981-1						
Aroclor 1016	ND		ug/kg	33.0	2.60	A
Aroclor 1221	ND		ug/kg	33.0	3.04	A
Aroclor 1232	ND		ug/kg	33.0	3.86	A
Aroclor 1242	ND		ug/kg	33.0	4.04	A
Aroclor 1248	ND		ug/kg	33.0	2.78	A
Aroclor 1254	ND		ug/kg	33.0	2.71	A
Aroclor 1260	ND		ug/kg	33.0	2.51	A
Aroclor 1262	ND		ug/kg	33.0	1.64	A
Aroclor 1268	ND		ug/kg	33.0	4.78	A
PCBs, Total	ND		ug/kg	33.0	1.64	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: LIGHTHOUSE POINT

Project Number: 1637.0001Y003

Lab Number: L1513391

Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/15 17:37
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/18/15 20:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-08 Batch: WG795064-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	66		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794981-4 WG794981-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)													
Aroclor 1016	ND	247	190	77		206	85		40-140	8		50	A
Aroclor 1260	ND	247	192	78		198	82		40-140	3		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		88		30-150	A
Decachlorobiphenyl	95		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		81		30-150	B
Decachlorobiphenyl	120		114		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795064-4 WG795064-5 QC Sample: L1513391-06 Client ID: MW-9													
Aroclor 1016	ND	2.6	2.21	85		2.15	83		40-140	3		50	A
Aroclor 1260	ND	2.6	1.69	65		1.66	64		40-140	2		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	B
Decachlorobiphenyl	31		32		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	40		42		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG794981-2 WG794981-3									
Aroclor 1016	93		94		40-140	1		50	A
Aroclor 1260	83		84		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		92		30-150	A
Decachlorobiphenyl	102		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		94		30-150	B
Decachlorobiphenyl	111		113		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795064-2 WG795064-3									
Aroclor 1016	90		89		40-140	0		50	A
Aroclor 1260	92		85		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		70		30-150	B
Decachlorobiphenyl	72		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	A
Decachlorobiphenyl	91		84		30-150	A

PESTICIDES

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-01	Date Collected:	06/15/15 10:05
Client ID:	SB-9 (30-32)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 15:57	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.371	1	A
Lindane	ND		ug/kg	0.789	0.352	1	A
Alpha-BHC	ND		ug/kg	0.789	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.718	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.789	0.323	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.438	1	A
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.789	0.375	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.94	1	A
cis-Chlordane	ND		ug/kg	2.36	0.659	1	A
trans-Chlordane	ND		ug/kg	2.36	0.625	1	A
Chlordane	ND		ug/kg	15.4	6.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-02	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 16:23	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.407	1	A
Aldrin	ND		ug/kg	1.81	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.420	1	A
4,4'-DDD	ND		ug/kg	1.81	0.647	1	A
4,4'-DDT	3.96		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.429	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.7	6.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 22:38
Analytical Date:	06/22/15 16:36	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 18:34	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	0.018	J	ug/l	0.040	0.004	1	B
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 18:47	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:00	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:13	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	0.012	J	ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-08	Date Collected:	06/15/15 15:30
Client ID:	FIELD BLANK 061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/19/15 05:45
Analytical Date:	06/22/15 19:26	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/22/15 14:51
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 06/18/15 22:38
Cleanup Method: EPA 3620B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG795093-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.981	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/22/15 17:28
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 06/19/15 05:45
Cleanup Method: EPA 3620B
Cleanup Date: 06/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-08 Batch: WG795172-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795093-2 WG795093-3									
Delta-BHC	41		72		30-150	**55**	Q	30	A
Lindane	47		79		30-150	**51**	Q	30	A
Alpha-BHC	50		84		30-150	**51**	Q	30	A
Beta-BHC	48		74		30-150	**43**	Q	30	A
Heptachlor	49		76		30-150	**43**	Q	30	A
Aldrin	48		79		30-150	**49**	Q	30	A
Heptachlor epoxide	48		75		30-150	**44**	Q	30	A
Endrin	48		80		30-150	**50**	Q	30	A
Endrin ketone	39		61		30-150	**44**	Q	30	A
Dieldrin	50		80		30-150	**46**	Q	30	A
4,4'-DDE	48		74		30-150	**43**	Q	30	A
4,4'-DDD	50		88		30-150	**55**	Q	30	A
4,4'-DDT	51		90		30-150	**55**	Q	30	A
Endosulfan I	44		68		30-150	**43**	Q	30	A
Endosulfan II	50		67		30-150	29		30	A
Endosulfan sulfate	36		55		30-150	**42**	Q	30	A
Methoxychlor	49		84		30-150	**53**	Q	30	A
cis-Chlordane	45		73		30-150	**47**	Q	30	A
trans-Chlordane	48		74		30-150	**43**	Q	30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG795093-2 WG795093-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		64		30-150	B
Decachlorobiphenyl	49		68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		74		30-150	A
Decachlorobiphenyl	35		60		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795172-2 WG795172-3									
Delta-BHC	67		71		30-150	5		20	A
Lindane	87		89		30-150	2		20	A
Alpha-BHC	95		95		30-150	1		20	A
Beta-BHC	81		82		30-150	1		20	A
Heptachlor	80		83		30-150	4		20	A
Aldrin	75		82		30-150	9		20	A
Heptachlor epoxide	87		90		30-150	4		20	A
Endrin	88		91		30-150	3		20	A
Endrin ketone	52		59		30-150	13		20	A
Dieldrin	89		95		30-150	6		20	A
4,4'-DDE	85		85		30-150	0		20	A
4,4'-DDD	95		100		30-150	6		20	A
4,4'-DDT	93		98		30-150	6		20	A
Endosulfan I	84		88		30-150	4		20	A
Endosulfan II	73		79		30-150	7		20	A
Endosulfan sulfate	44		52		30-150	18		20	A
Methoxychlor	73		81		30-150	11		20	A
cis-Chlordane	84		86		30-150	2		20	A
trans-Chlordane	84		86		30-150	3		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 Batch: WG795172-2 WG795172-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		66		30-150	A
Decachlorobiphenyl	68		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		68		30-150	B
Decachlorobiphenyl	78		75		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795093-4 WG795093-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)													
Delta-BHC	ND	37.8	22.9	61		18.7	47		30-150	20		50	A
Lindane	ND	37.8	25.2	67		20.4	52		30-150	21		50	A
Alpha-BHC	ND	37.8	27.2	72		21.9	55		30-150	22		50	A
Beta-BHC	ND	37.8	25.3	67		21.7	55		30-150	15		50	A
Heptachlor	ND	37.8	24.0	64		19.4	49		30-150	21		50	A
Aldrin	ND	37.8	25.1	66		20.1	51		30-150	22		50	A
Heptachlor epoxide	ND	37.8	24.2	64		19.8	50		30-150	20		50	A
Endrin	ND	37.8	25.6	68		20.6	52		30-150	22		50	A
Endrin ketone	ND	37.8	20.6	55		16.5	42		30-150	22		50	A
Dieldrin	ND	37.8	26.5	70		21.9	55		30-150	19		50	A
4,4'-DDE	ND	37.8	24.0	64		19.4	49		30-150	21		50	A
4,4'-DDD	ND	37.8	27.8	74		22.8	58		30-150	20		50	A
4,4'-DDT	ND	37.8	28.8	76		24.4	62		30-150	17		50	A
Endosulfan I	ND	37.8	22.0	58		17.7	45		30-150	22		50	A
Endosulfan II	ND	37.8	22.6	60		18.5	47		30-150	20		50	A
Endosulfan sulfate	ND	37.8	17.7	47		14.7	37		30-150	19		50	A
Methoxychlor	ND	37.8	27.8	74		22.6	57		30-150	21		50	A
cis-Chlordane	ND	37.8	23.5	62		19.2	48		30-150	20		50	A
trans-Chlordane	ND	37.8	23.9	63		19.4	49		30-150	21		50	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795093-4 WG795093-5 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		44		30-150	B
Decachlorobiphenyl	64		49		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		52		30-150	A
Decachlorobiphenyl	50		44		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795172-4 WG795172-5 QC Sample: L1513391-06 Client ID: MW-9													
Delta-BHC	ND	0.5	0.390	78		0.380	76		30-150	3		30	A
Lindane	ND	0.5	0.471	94		0.464	93		30-150	1		30	A
Alpha-BHC	ND	0.5	0.501	100		0.494	99		30-150	1		30	A
Beta-BHC	ND	0.5	0.424	85		0.420	84		30-150	1		30	A
Heptachlor	ND	0.5	0.464	93		0.455	91		30-150	2		30	A
Aldrin	ND	0.5	0.437	87		0.420	84		30-150	4		30	A
Heptachlor epoxide	ND	0.5	0.472	94		0.457	91		30-150	3		30	A
Endrin	ND	0.5	0.480	96		0.469	94		30-150	2		30	A
Endrin ketone	ND	0.5	0.322	64		0.302	60		30-150	6		30	A
Dieldrin	ND	0.5	0.491	98		0.476	95		30-150	3		30	A
4,4'-DDE	ND	0.5	0.360	72		0.317	63		30-150	13		30	A
4,4'-DDD	ND	0.5	0.483	97		0.467	93		30-150	3		30	A
4,4'-DDT	ND	0.5	0.408	82		0.367	73		30-150	11		30	A
Endosulfan I	ND	0.5	0.467	93		0.456	91		30-150	2		30	A
Endosulfan II	ND	0.5	0.419	84		0.405	81		30-150	3		30	A
Endosulfan sulfate	ND	0.5	0.287	57		0.263	53		30-150	9		30	A
Methoxychlor	ND	0.5	0.416	83		0.391	78		30-150	6		30	A
cis-Chlordane	ND	0.5	0.430	86		0.418	84		30-150	3		30	A
trans-Chlordane	ND	0.5	0.444	89		0.428	86		30-150	4		30	A

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795172-4 WG795172-5 QC Sample: L1513391-06 Client ID: MW-9												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		79		30-150	A
Decachlorobiphenyl	36		33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	B
Decachlorobiphenyl	33		**29**	Q	30-150	B

METALS

Project Name: LIGHTHOUSE POINT
Lab Number: L1513391
Project Number: 1637.0001Y003
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01
Client ID: SB-9 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 83%

Date Collected: 06/15/15 10:05
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	9.4	1.9	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Arsenic, Total	1.6		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Barium, Total	67		mg/kg	0.94	0.28	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Beryllium, Total	0.55		mg/kg	0.47	0.09	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Calcium, Total	25000		mg/kg	9.4	2.8	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Cobalt, Total	6.8		mg/kg	1.9	0.47	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Copper, Total	37		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.7	1.9	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Lead, Total	11		mg/kg	4.7	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Magnesium, Total	6200		mg/kg	9.4	0.94	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Manganese, Total	640		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:52	EPA 7471B	1,7471B	MC
Nickel, Total	41		mg/kg	2.4	0.38	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Potassium, Total	1500		mg/kg	240	38.	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Sodium, Total	160	J	mg/kg	190	28.	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.94	0.09	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH
Zinc, Total	44		mg/kg	4.7	0.66	2	06/19/15 06:05	06/20/15 18:16	EPA 3050B	1,6010C	JH

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02
Client ID: DUP061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/15/15 12:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	9.3	1.9	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.74	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Arsenic, Total	2.6		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Barium, Total	54		mg/kg	0.93	0.28	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.55		mg/kg	0.46	0.09	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.93	0.07	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Calcium, Total	1600		mg/kg	9.3	2.8	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Chromium, Total	47		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Cobalt, Total	9.1		mg/kg	1.9	0.46	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Copper, Total	47		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Iron, Total	22000		mg/kg	4.6	1.9	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Lead, Total	14		mg/kg	4.6	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Magnesium, Total	4900		mg/kg	9.3	0.93	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Manganese, Total	450		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:58	EPA 7471B	1,7471B	MC
Nickel, Total	100		mg/kg	2.3	0.37	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Potassium, Total	2100		mg/kg	230	37.	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Sodium, Total	400		mg/kg	190	28.	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.37	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Vanadium, Total	26		mg/kg	0.93	0.09	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH
Zinc, Total	33		mg/kg	4.6	0.65	2	06/19/15 06:05	06/20/15 19:17	EPA 3050B	1,6010C	JH

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-03	Date Collected:	06/15/15 12:45
Client ID:	SB-10 (24-26)	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9400		mg/kg	9.3	1.9	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Arsenic, Total	6.3		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Barium, Total	49		mg/kg	0.93	0.28	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Beryllium, Total	0.47		mg/kg	0.47	0.09	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.93	0.07	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Calcium, Total	1200		mg/kg	9.3	2.8	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Chromium, Total	23		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Cobalt, Total	8.2		mg/kg	1.9	0.47	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Copper, Total	30		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Iron, Total	20000		mg/kg	4.7	1.9	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Lead, Total	37		mg/kg	4.7	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Magnesium, Total	4100		mg/kg	9.3	0.93	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Manganese, Total	400		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Mercury, Total	0.09		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 15:00	EPA 7471B	1,7471B	MC
Nickel, Total	56		mg/kg	2.3	0.37	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Potassium, Total	950		mg/kg	230	37.	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.93	0.19	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Sodium, Total	200		mg/kg	190	28.	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.37	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Vanadium, Total	25		mg/kg	0.93	0.09	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH
Zinc, Total	48		mg/kg	4.7	0.65	2	06/19/15 06:05	06/20/15 19:20	EPA 3050B	1,6010C	JH

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-04	Date Collected:	06/15/15 12:00
Client ID:	DUP061515	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	117		mg/l	10.0	1.69	1000	06/18/15 22:16	06/20/15 12:21	EPA 3005A	1,6020A	KL
Antimony, Total	0.0004	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0363		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Barium, Total	2.861		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0142		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0034		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Calcium, Total	172		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Chromium, Total	0.1637		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Cobalt, Total	0.1779		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Copper, Total	0.9398		mg/l	0.0200	0.0052	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Iron, Total	164		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Lead, Total	0.6002		mg/l	0.0200	0.0026	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Magnesium, Total	247		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Manganese, Total	14.24		mg/l	1.000	0.3020	1000	06/18/15 22:16	06/20/15 12:21	EPA 3005A	1,6020A	KL
Mercury, Total	0.00064		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:41	EPA 7470A	1,7470A	EA
Nickel, Total	2.364		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Potassium, Total	13.2		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Selenium, Total	0.077		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Silver, Total	0.0027		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Sodium, Total	394		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL
Thallium, Total	0.0008		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Vanadium, Total	0.1293		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:20	EPA 3005A	1,6020A	KL
Zinc, Total	0.8931		mg/l	0.2000	0.0512	20	06/18/15 22:16	06/20/15 10:17	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-05	Date Collected:	06/15/15 13:00
Client ID:	GW-10	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	102		mg/l	10.0	1.69	1000	06/18/15 22:16	06/20/15 12:25	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0568		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Barium, Total	7.398		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0122		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0036		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Calcium, Total	189		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Chromium, Total	0.8736		mg/l	0.0200	0.0051	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Cobalt, Total	0.3299		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Copper, Total	1.262		mg/l	0.0200	0.0052	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Iron, Total	223		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Lead, Total	0.4176		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Magnesium, Total	500		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Manganese, Total	19.11		mg/l	1.000	0.3020	1000	06/18/15 22:16	06/20/15 12:25	EPA 3005A	1,6020A	KL
Mercury, Total	0.00053		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:47	EPA 7470A	1,7470A	EA
Nickel, Total	7.463		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Potassium, Total	21.3		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Selenium, Total	0.074		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Silver, Total	0.0012		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Sodium, Total	198		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL
Thallium, Total	0.0013		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Vanadium, Total	0.1506		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:26	EPA 3005A	1,6020A	KL
Zinc, Total	0.8719		mg/l	0.2000	0.0512	20	06/18/15 22:16	06/20/15 10:23	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-06	Date Collected:	06/15/15 12:40
Client ID:	MW-9	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	25.0		mg/l	2.00	0.338	200	06/18/15 22:16	06/20/15 13:58	EPA 3005A	1,6020A	KL
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0170		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Barium, Total	0.4977		mg/l	0.0100	0.0013	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0020		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0004		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Calcium, Total	30.9		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Chromium, Total	0.1302		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0650		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Copper, Total	0.1548		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Iron, Total	63.6		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Lead, Total	0.0902		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Magnesium, Total	46.0		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Manganese, Total	1.921		mg/l	0.0200	0.0060	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Mercury, Total	0.00009	J	mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:36	EPA 7470A	1,7470A	EA
Nickel, Total	0.5952		mg/l	0.0100	0.0017	20	06/18/15 22:16	06/20/15 09:56	EPA 3005A	1,6020A	KL
Potassium, Total	12.2		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Selenium, Total	0.024		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Silver, Total	0.0002	J	mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Sodium, Total	20.9		mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Thallium, Total	0.00047	J	mg/l	0.00050	0.00006	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0811		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL
Zinc, Total	0.1461		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:59	EPA 3005A	1,6020A	KL

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

SAMPLE RESULTS

Lab ID:	L1513391-07	Date Collected:	06/15/15 10:30
Client ID:	MW-11	Date Received:	06/15/15
Sample Location:	5 BAY STREET, STATEN ISLAND, N	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	35.4		mg/l	2.00	0.338	200	06/18/15 22:16	06/20/15 12:28	EPA 3005A	1,6020A	KL
Antimony, Total	0.0004	J	mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Arsenic, Total	0.0159		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Barium, Total	0.3216		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Beryllium, Total	0.0024		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Cadmium, Total	0.0004		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Calcium, Total	81.4		mg/l	2.00	0.640	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Chromium, Total	0.0496		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Cobalt, Total	0.0314		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Copper, Total	0.0894		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Iron, Total	60.2		mg/l	1.00	0.240	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Lead, Total	0.0614		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Magnesium, Total	127		mg/l	1.40	0.446	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Manganese, Total	2.158		mg/l	0.0200	0.0060	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Mercury, Total	0.00014	J	mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.2191		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Potassium, Total	9.38		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Selenium, Total	0.017		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Silver, Total	0.0004		mg/l	0.0003	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Sodium, Total	317		mg/l	4.00	0.322	20	06/18/15 22:16	06/20/15 10:30	EPA 3005A	1,6020A	KL
Thallium, Total	0.0002		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Vanadium, Total	0.0676		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL
Zinc, Total	0.1484		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 10:33	EPA 3005A	1,6020A	KL

Project Name: LIGHTHOUSE POINT
Lab Number: L1513391
Project Number: 1637.0001Y003
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08
Client ID: FIELD BLANK 061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 15:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.010	0.002	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Chromium, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:50	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Sodium, Total	0.022	J	mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:43	EPA 3005A	1,6020A	KL

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG794304-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/17/15 07:08	06/18/15 14:09	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-08 Batch: WG794439-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/15 11:30	06/17/15 23:32	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04-08 Batch: WG795004-7										
Aluminum, Total	ND		mg/l	0.010	0.002	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Chromium, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Nickel, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Sodium, Total	ND		mg/l	0.200	0.016	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/18/15 22:16	06/20/15 09:40	1,6020A	KL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG795168-1										
Aluminum, Total	2.1	J	mg/kg	4.0	0.80	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/19/15 06:05	06/22/15 12:44	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Calcium, Total	1.3	J	mg/kg	4.0	1.2	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/22/15 12:44	1,6010C	TT
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Thallium, Total	0.18	J	mg/kg	0.80	0.16	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/19/15 06:05	06/20/15 17:28	1,6010C	JH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG794304-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG794439-2								
Mercury, Total	114		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG795004-8					
Aluminum, Total	96	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	95	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	88	-	80-120	-	
Chromium, Total	93	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	96	-	80-120	-	
Manganese, Total	91	-	80-120	-	
Nickel, Total	93	-	80-120	-	
Potassium, Total	91	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	88	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	93	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 Batch: WG795004-8					
Zinc, Total	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG795168-2 SRM Lot Number: D088-540					
Aluminum, Total	92	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	105	-	83-117	-	
Beryllium, Total	106	-	83-117	-	
Cadmium, Total	104	-	83-117	-	
Calcium, Total	98	-	81-119	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	102	-	84-115	-	
Copper, Total	106	-	81-118	-	
Iron, Total	116	-	45-155	-	
Lead, Total	98	-	81-117	-	
Magnesium, Total	94	-	76-124	-	
Manganese, Total	103	-	81-118	-	
Nickel, Total	102	-	83-117	-	
Potassium, Total	100	-	71-129	-	
Selenium, Total	108	-	78-122	-	
Silver, Total	105	-	75-124	-	
Sodium, Total	101	-	72-127	-	
Thallium, Total	110	-	80-120	-	
Vanadium, Total	107	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG795168-2 SRM Lot Number: D088-540					
Zinc, Total	101	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794304-3 WG794304-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)												
Mercury, Total	ND	0.161	0.24	**149**	Q	0.23	**152**	Q	80-120	4		20
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG794439-3 WG794439-4 QC Sample: L1513391-06 Client ID: MW-9												
Mercury, Total	0.00009J	0.005	0.00501	100		0.00517	104		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795004-9 WG795004-10 QC Sample: L1513391-06 Client ID: MW-9											
Aluminum, Total	25.0	2	26.6	80		28.6	**180**	Q	75-125	7	20
Antimony, Total	0.0002J	0.5	0.2691	**54**	Q	0.2751	**55**	Q	75-125	2	20
Arsenic, Total	0.0170	0.12	0.1346	98		0.1386	101		75-125	3	20
Barium, Total	0.4977	2	2.473	99		2.611	106		75-125	5	20
Beryllium, Total	0.0020	0.05	0.0506	97		0.0517	99		75-125	2	20
Cadmium, Total	0.0004	0.051	0.0573	112		0.0603	117		75-125	5	20
Calcium, Total	30.9	10	39.6	87		43.4	125		75-125	9	20
Chromium, Total	0.1302	0.2	0.3147	92		0.3455	108		75-125	9	20
Cobalt, Total	0.0650	0.5	0.5910	105		0.5989	107		75-125	1	20
Copper, Total	0.1548	0.25	0.4195	106		0.4457	116		75-125	6	20
Iron, Total	63.6	1	57.1	**0**	Q	60.7	**0**	Q	75-125	6	20
Lead, Total	0.0902	0.51	0.5930	98		0.6271	105		75-125	6	20
Magnesium, Total	46.0	10	55.2	92		62.1	**161**	Q	75-125	12	20
Manganese, Total	1.921	0.5	2.376	91		2.470	110		75-125	4	20
Nickel, Total	0.5952	0.5	1.047	90		1.087	98		75-125	4	20
Potassium, Total	12.2	10	21.2	90		22.0	98		75-125	4	20
Selenium, Total	0.024	0.12	0.146	101		0.126	85		75-125	15	20
Silver, Total	0.0002J	0.05	0.0498	100		0.0528	106		75-125	6	20
Sodium, Total	20.9	10	29.9	90		32.6	117		75-125	9	20
Thallium, Total	0.00047J	0.12	0.1141	95		0.1173	98		75-125	3	20
Vanadium, Total	0.0811	0.5	0.5722	98		0.5924	102		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04-08 QC Batch ID: WG795004-9 WG795004-10 QC Sample: L1513391-06 Client ID: MW-9									
Zinc, Total	0.1461	0.5	0.6745	106	0.6964	110	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795168-3 WG795168-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)											
Aluminum, Total	5400	190	4900	**0**	Q	5000	**0**	Q	75-125	2	20
Antimony, Total	ND	47.6	40	84		39	83		75-125	3	20
Arsenic, Total	1.6	11.4	13	100		14	110		75-125	7	20
Barium, Total	67.	190	260	101		240	92		75-125	8	20
Beryllium, Total	0.55	4.76	5.0	94		5.0	94		75-125	0	20
Cadmium, Total	ND	4.85	4.3	88		4.3	89		75-125	0	20
Calcium, Total	25000	952	16000	**0**	Q	14000	**0**	Q	75-125	13	20
Chromium, Total	17.	19	32	79		32	79		75-125	0	20
Cobalt, Total	6.8	47.6	51	93		52	96		75-125	2	20
Copper, Total	37.	23.8	55	76		56	80		75-125	2	20
Iron, Total	16000	95.2	14000	**0**	Q	16000	**0**	Q	75-125	13	20
Lead, Total	11.	48.5	58	97		56	94		75-125	4	20
Magnesium, Total	6200	952	6200	**0**	Q	7100	95		75-125	14	20
Manganese, Total	640	47.6	450	**0**	Q	400	**0**	Q	75-125	12	20
Nickel, Total	41.	47.6	78	78		85	93		75-125	9	20
Potassium, Total	1500	952	2000	**52**	Q	2200	**74**	Q	75-125	10	20
Selenium, Total	ND	11.4	11	96		10	88		75-125	10	20
Silver, Total	ND	28.5	28	98		28	99		75-125	0	20
Sodium, Total	160J	952	1200	**126**	Q	1100	116		75-125	9	20
Thallium, Total	ND	11.4	9.5	83		9.6	85		75-125	1	20
Vanadium, Total	18.	47.6	62	92		62	93		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG795168-3 WG795168-4 QC Sample: L1513391-01 Client ID: SB-9 (30-32)									
Zinc, Total	44.	47.6	86	88	80	76	75-125	7	20

INORGANICS
&
MISCELLANEOUS

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-01
Client ID: SB-9 (30-32)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 10:05
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-02
Client ID: DUP061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 12:00
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-03
Client ID: SB-10 (24-26)
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil

Date Collected: 06/15/15 12:45
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	06/16/15 19:21	30,2540G	RT

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513391-08
Client ID: FIELD BLANK 061515
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Water

Date Collected: 06/15/15 15:30
Date Received: 06/15/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.004	J	mg/l	0.005	0.001	1	06/16/15 15:00	06/17/15 13:03	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/16/15 05:05	06/16/15 05:33	1,7196A	LH

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG793890-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/16/15 05:05	06/16/15 05:32	1,7196A	LH
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG794106-1										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	06/16/15 15:00	06/17/15 12:53	1,9010C/9012B	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG793890-2								
Chromium, Hexavalent	92		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG794106-2 WG794106-3								
Cyanide, Total	98		100		80-120	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG793890-4 QC Sample: L1513391-08 Client ID: FIELD BLANK 061515												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG794106-4 WG794106-5 QC Sample: L1513288-10 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.180	90		0.163	82		80-120	10		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG793890-3 QC Sample: L1513391-08 Client ID: FIELD BLANK 061515						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG794202-1 QC Sample: L1513383-69 Client ID: DUP Sample						
Solids, Total	85.1	88.8	%	4		20

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/16/2015 03:03

Cooler Information	Custody Seal
Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-01A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01A1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01A2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01B2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C1	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01C2	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-01D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01D1	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01D2	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-01E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-01E1	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-01E2	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-01X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-01Z1	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-02D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-02E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-02X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-02Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03A	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-03B	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-03C	5 gram Encore Sampler	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(2)
L1513391-03D	Plastic 2oz unpreserved for TS	D	N/A	2.9	Y	Absent	TS(7)
L1513391-03E	Glass 250ml/8oz unpreserved	D	N/A	2.9	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1513391-03X	Vial MeOH preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03Y	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-03Z	Vial Water preserved split	D	N/A	2.9	Y	Absent	NYTCL-8260HLW(14)
L1513391-04A	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04B	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-04D	Plastic 250ml HNO3 preserved	C	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-04E	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-04F	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-04G	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-04H	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-04I	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-04J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-05A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-05B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-05C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-05D	Plastic 250ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-05E	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-05F	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-05G	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-05H	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-05I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-05J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06A1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06A2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06B2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C1	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06C2	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1513391-06D	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-06D1	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-06D2	Plastic 250ml HNO3 preserved	A	<2	2.4	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-06E	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06E1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06E2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06F2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-06G	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06G1	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06G2	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H1	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06H2	Amber 500ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8081(7)
L1513391-06I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06I1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06I2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J1	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-06J2	Amber 1000ml unpreserved	A	7	2.4	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-07A	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-07B	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-07C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1513391-07D	Plastic 250ml HNO3 preserved	C	<2	2.5	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-07E	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-07F	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1513391-07G	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-07H	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1513391-07I	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-07J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-08A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08C	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-08D	Plastic 250ml HNO3 preserved	B	<2	3.1	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1513391-08E	Plastic 250ml NaOH preserved	B	>12	3.1	Y	Absent	TCN-9010(14)
L1513391-08F	Plastic 250ml unpreserved	B	7	3.1	Y	Absent	HEXCR-7196(1)
L1513391-08G	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270-SIM(7)
L1513391-08H	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270-SIM(7)
L1513391-08I	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7)
L1513391-08J	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8270(7)
L1513391-08K	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-08L	Amber 500ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8081(7)
L1513391-08M	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)
L1513391-08N	Amber 1000ml unpreserved	B	7	3.1	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513391
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513391-09A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1513391-09B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513391
Project Number:	1637.0001Y003	**Report Date:**	06/22/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391

Project Number: 1637.0001Y003 **Report Date:** 06/22/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513391
Project Number: 1637.0001Y003 **Report Date:** 06/22/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 6/15/15

ALPHA Job #: L1513391

Client Information
Client: Koop Associates Inc
Address: 909 Shafter St
Islandia NY 11749
Phone: 631-237 2600
Fax: 631-237 9898
Email: jcollins@keyenv.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.0001/0003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260	Total Hg/NYTCL 8081 TEST	TS						Sample Specific Comments	Total Bottle
13391 -01	SB-9 (30-32) MS	6/15/15	1000	S	AM	X	X	X							5
-02	DUP061515		1200	S	AM	X	X	X							5
-01	SB-9 (30-32)		1000	S	AM	X	X	X							5
-01	SB-9 (30-32) MSD		1010	S	AM	X	X	X							5
-03	SB-10 (24-26)		1245	S	AM	X	X	X							5

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1600 6/15/15	[illegible]	6/15 1615
[illegible]	6/15/15 1900	Tom Tobin	6-15-15 1900
Tom Tobin	6/15/15 2345	Graham Phillips	6/15/15 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/15/15

ALPHA Job #: L15 3391

Client Information
Client: Kerry Associates INC
Address: 209 Shaffer St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@rounc.com

Project Information
Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 1637.000 IY003
(Use Project name as Project #) ☐
Project Manager: Jess Collins / Karyn Raymond
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLVOCs+tic 8260	CLP8270D	CLP 8081B/8082A	CLP 8260A	TAL metals/6020ths	Total Mercury 7470A	TCN	HexCr	Sample Specific Comments	Total Bottle
13391-04	FOB DUP061515	6/15/15	1200	W	BK	X	X	X	X	X	X				10
-05	GW-10	↓	1300	W	BK	X	X	X	X	X	X				10
-06	MW-9 MSD		1235	W	BK	X	X	X	X	X	X				10
-07	MW-11		1030	W	BK	X	X	X	X	X	X				10
-06	MW-9		1240	W	BK	X	X	X	X	X	X				10
-06	MW-9 MS		1230	W	BK	X	X	X	X	X	X				10
-08	Field Blank 061515	↓	1530	W	BK	X	X	X	X	X	X	X	X		10
-09	Trip Blank	6/12/15	-	W	KS	X									2

Container Type	V	A	A	A	P	A	P	P
Preservative	B	A	A	A	C	A	E	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1600 6/15/15	[illegible]	1600 6/15/15
[illegible]	1900	Tom Tobin	6-15-15 1900
Tom Tobin	6/15/15 2345	Graham Phillips	6/15/15 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1513486
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jessica Collins
Phone:	(631) 232-2600
Project Name:	LIGHTHOUSE POINT
Project Number:	1637.0001Y003
Report Date:	06/23/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513486-01	SV-1	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 10:52	06/16/15
L1513486-02	SV-2	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 10:43	06/16/15
L1513486-03	SV-3	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 11:06	06/16/15
L1513486-04	SV-4	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 11:11	06/16/15
L1513486-05	SV-5	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 11:39	06/16/15
L1513486-06	DUP061615	SOIL_VAPOR	5 BAY STREET, STATEN ISLAND, NY	06/16/15 10:59	06/16/15

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513486
Project Number: 1637.0001Y003 **Report Date:** 06/23/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LIGHTHOUSE POINT **Lab Number:** L1513486
Project Number: 1637.0001Y003 **Report Date:** 06/23/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 16, 2015. The canister certification results are provided as an addendum.

Samples L1513486-01 through -06 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample L1513486-04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

Sample L1513486-05 The presence of 2,2,4-Trimethylpentane could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 06/23/15

AIR

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-01 D
Client ID: SV-1
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/20/15 22:13
Analyst: RY

Date Collected: 06/16/15 10:52
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.33	--	ND	16.5	--		16.67
Chloromethane	ND	3.33	--	ND	6.88	--		16.67
Freon-114	ND	3.33	--	ND	23.3	--		16.67
Vinyl chloride	ND	3.33	--	ND	8.51	--		16.67
1,3-Butadiene	6.68	3.33	--	14.8	7.37	--		16.67
Bromomethane	ND	3.33	--	ND	12.9	--		16.67
Chloroethane	ND	3.33	--	ND	8.79	--		16.67
Ethanol	398	41.7	--	750	78.6	--		16.67
Vinyl bromide	ND	3.33	--	ND	14.6	--		16.67
Acetone	887	16.7	--	2110	39.7	--		16.67
Trichlorofluoromethane	ND	3.33	--	ND	18.7	--		16.67
Isopropanol	22.7	8.34	--	55.8	20.5	--		16.67
1,1-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
Tertiary butyl Alcohol	20.4	8.34	--	61.8	25.3	--		16.67
Methylene chloride	ND	8.34	--	ND	29.0	--		16.67
3-Chloropropene	ND	3.33	--	ND	10.4	--		16.67
Carbon disulfide	5.58	3.33	--	17.4	10.4	--		16.67
Freon-113	ND	3.33	--	ND	25.5	--		16.67
trans-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
1,1-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
Methyl tert butyl ether	ND	3.33	--	ND	12.0	--		16.67
2-Butanone	1280	8.34	--	3780	24.6	--		16.67
cis-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
Ethyl Acetate	ND	8.34	--	ND	30.1	--		16.67

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-01 D
Client ID: SV-1
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 10:52
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	3.33	--	ND	16.3	--		16.67
Tetrahydrofuran	ND	8.34	--	ND	24.6	--		16.67
1,2-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
n-Hexane	46.5	3.33	--	164	11.7	--		16.67
1,1,1-Trichloroethane	ND	3.33	--	ND	18.2	--		16.67
Benzene	5.17	3.33	--	16.5	10.6	--		16.67
Carbon tetrachloride	ND	3.33	--	ND	20.9	--		16.67
Cyclohexane	ND	3.33	--	ND	11.5	--		16.67
1,2-Dichloropropane	ND	3.33	--	ND	15.4	--		16.67
Bromodichloromethane	ND	3.33	--	ND	22.3	--		16.67
1,4-Dioxane	ND	3.33	--	ND	12.0	--		16.67
Trichloroethene	ND	3.33	--	ND	17.9	--		16.67
2,2,4-Trimethylpentane	ND	3.33	--	ND	15.6	--		16.67
Heptane	8.87	3.33	--	36.4	13.6	--		16.67
cis-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
4-Methyl-2-pentanone	ND	8.34	--	ND	34.2	--		16.67
trans-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
1,1,2-Trichloroethane	ND	3.33	--	ND	18.2	--		16.67
Toluene	9.25	3.33	--	34.9	12.5	--		16.67
2-Hexanone	20.9	3.33	--	85.7	13.6	--		16.67
Dibromochloromethane	ND	3.33	--	ND	28.4	--		16.67
1,2-Dibromoethane	ND	3.33	--	ND	25.6	--		16.67
Tetrachloroethene	ND	3.33	--	ND	22.6	--		16.67
Chlorobenzene	ND	3.33	--	ND	15.3	--		16.67
Ethylbenzene	ND	3.33	--	ND	14.5	--		16.67
p/m-Xylene	ND	6.67	--	ND	29.0	--		16.67
Bromoform	ND	3.33	--	ND	34.4	--		16.67
Styrene	ND	3.33	--	ND	14.2	--		16.67

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-01 D
Client ID: SV-1
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 10:52
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	3.33	--	ND	22.9	--		16.67
o-Xylene	ND	3.33	--	ND	14.5	--		16.67
4-Ethyltoluene	ND	3.33	--	ND	16.4	--		16.67
1,3,5-Trimethylbenzene	ND	3.33	--	ND	16.4	--		16.67
1,2,4-Trimethylbenzene	ND	3.33	--	ND	16.4	--		16.67
Benzyl chloride	ND	3.33	--	ND	17.2	--		16.67
1,3-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,4-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2,4-Trichlorobenzene	ND	3.33	--	ND	24.7	--		16.67
Hexachlorobutadiene	ND	3.33	--	ND	35.5	--		16.67

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	90		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-02 D
Client ID: SV-2
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/20/15 22:44
Analyst: RY

Date Collected: 06/16/15 10:43
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	8.28	--	ND	40.9	--		41.41
Chloromethane	ND	8.28	--	ND	17.1	--		41.41
Freon-114	ND	8.28	--	ND	57.9	--		41.41
Vinyl chloride	ND	8.28	--	ND	21.2	--		41.41
1,3-Butadiene	ND	8.28	--	ND	18.3	--		41.41
Bromomethane	ND	8.28	--	ND	32.2	--		41.41
Chloroethane	ND	8.28	--	ND	21.8	--		41.41
Ethanol	466	104	--	878	196	--		41.41
Vinyl bromide	ND	8.28	--	ND	36.2	--		41.41
Acetone	1550	41.4	--	3680	98.3	--		41.41
Trichlorofluoromethane	ND	8.28	--	ND	46.5	--		41.41
Isopropanol	32.2	20.7	--	79.2	50.9	--		41.41
1,1-Dichloroethene	ND	8.28	--	ND	32.8	--		41.41
Tertiary butyl Alcohol	ND	20.7	--	ND	62.8	--		41.41
Methylene chloride	ND	20.7	--	ND	71.9	--		41.41
3-Chloropropene	ND	8.28	--	ND	25.9	--		41.41
Carbon disulfide	12.0	8.28	--	37.4	25.8	--		41.41
Freon-113	ND	8.28	--	ND	63.5	--		41.41
trans-1,2-Dichloroethene	ND	8.28	--	ND	32.8	--		41.41
1,1-Dichloroethane	ND	8.28	--	ND	33.5	--		41.41
Methyl tert butyl ether	ND	8.28	--	ND	29.9	--		41.41
2-Butanone	3330	20.7	--	9820	61.1	--		41.41
cis-1,2-Dichloroethene	16.6	8.28	--	65.8	32.8	--		41.41
Ethyl Acetate	ND	20.7	--	ND	74.6	--		41.41

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-02 D
Client ID: SV-2
Sample Location: 5 BAY STREET, STATEN ISLAND, N

Date Collected: 06/16/15 10:43
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	8.28	--	ND	40.4	--		41.41
Tetrahydrofuran	ND	20.7	--	ND	61.1	--		41.41
1,2-Dichloroethane	ND	8.28	--	ND	33.5	--		41.41
n-Hexane	20.3	8.28	--	71.5	29.2	--		41.41
1,1,1-Trichloroethane	ND	8.28	--	ND	45.2	--		41.41
Benzene	ND	8.28	--	ND	26.5	--		41.41
Carbon tetrachloride	ND	8.28	--	ND	52.1	--		41.41
Cyclohexane	ND	8.28	--	ND	28.5	--		41.41
1,2-Dichloropropane	ND	8.28	--	ND	38.3	--		41.41
Bromodichloromethane	ND	8.28	--	ND	55.5	--		41.41
1,4-Dioxane	ND	8.28	--	ND	29.8	--		41.41
Trichloroethene	80.7	8.28	--	434	44.5	--		41.41
2,2,4-Trimethylpentane	ND	8.28	--	ND	38.7	--		41.41
Heptane	ND	8.28	--	ND	33.9	--		41.41
cis-1,3-Dichloropropene	ND	8.28	--	ND	37.6	--		41.41
4-Methyl-2-pentanone	ND	20.7	--	ND	84.8	--		41.41
trans-1,3-Dichloropropene	ND	8.28	--	ND	37.6	--		41.41
1,1,2-Trichloroethane	ND	8.28	--	ND	45.2	--		41.41
Toluene	ND	8.28	--	ND	31.2	--		41.41
2-Hexanone	121	8.28	--	496	33.9	--		41.41
Dibromochloromethane	ND	8.28	--	ND	70.5	--		41.41
1,2-Dibromoethane	ND	8.28	--	ND	63.6	--		41.41
Tetrachloroethene	ND	8.28	--	ND	56.1	--		41.41
Chlorobenzene	ND	8.28	--	ND	38.1	--		41.41
Ethylbenzene	ND	8.28	--	ND	36.0	--		41.41
p/m-Xylene	ND	16.6	--	ND	72.1	--		41.41
Bromoform	ND	8.28	--	ND	85.6	--		41.41
Styrene	ND	8.28	--	ND	35.3	--		41.41

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-02 D
Client ID: SV-2
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 10:43
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	8.28	--	ND	56.9	--		41.41
o-Xylene	ND	8.28	--	ND	36.0	--		41.41
4-Ethyltoluene	ND	8.28	--	ND	40.7	--		41.41
1,3,5-Trimethylbenzene	ND	8.28	--	ND	40.7	--		41.41
1,2,4-Trimethylbenzene	ND	8.28	--	ND	40.7	--		41.41
Benzyl chloride	ND	8.28	--	ND	42.9	--		41.41
1,3-Dichlorobenzene	ND	8.28	--	ND	49.8	--		41.41
1,4-Dichlorobenzene	ND	8.28	--	ND	49.8	--		41.41
1,2-Dichlorobenzene	ND	8.28	--	ND	49.8	--		41.41
1,2,4-Trichlorobenzene	ND	8.28	--	ND	61.5	--		41.41
Hexachlorobutadiene	ND	8.28	--	ND	88.3	--		41.41

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-03 D
Client ID: SV-3
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/20/15 23:16
Analyst: RY

Date Collected: 06/16/15 11:06
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	124	25.0	--	234	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	2270	10.0	--	5390	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	22.0	5.00	--	54.1	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	23.2	5.00	--	70.3	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	2.55	2.00	--	7.94	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	291	5.00	--	858	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-03 D
Client ID: SV-3
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 11:06
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	5.86	2.00	--	20.7	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	4.45	2.00	--	18.2	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	8.24	2.00	--	31.1	7.54	--		10
2-Hexanone	29.7	2.00	--	122	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	8.31	2.00	--	56.4	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	4.60	4.00	--	20.0	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-03 D
Client ID: SV-3
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 11:06
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	85		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-04 D
Client ID: SV-4
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/20/15 23:47
Analyst: RY

Date Collected: 06/16/15 11:11
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	22.2	2.00	--	49.1	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	136	25.0	--	256	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	2140	10.0	--	5080	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	38.2	5.00	--	93.9	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	28.7	5.00	--	87.0	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	5.81	2.00	--	18.1	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	77.2	5.00	--	228	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-04 D
Client ID: SV-4
Sample Location: 5 BAY STREET, STATEN ISLAND, N

Date Collected: 06/16/15 11:11
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	81.6	2.00	--	288	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	9.00	2.00	--	28.8	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	2.93	2.00	--	10.1	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	5.26	2.00	--	21.6	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	11.8	2.00	--	44.5	7.54	--		10
2-Hexanone	8.53	2.00	--	35.0	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-04 D
Client ID: SV-4
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 11:11
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	86		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-05 D
Client ID: SV-5
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/21/15 00:19
Analyst: RY

Date Collected: 06/16/15 11:39
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	3.80	0.667	--	7.85	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	3.98	0.667	--	8.80	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	25.8	8.33	--	48.6	15.7	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	1010	3.33	--	2400	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	5.74	1.67	--	14.1	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	14.6	1.67	--	44.3	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	13.8	0.667	--	43.0	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	28.4	1.67	--	83.8	4.93	--		3.333
cis-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-05 D
Client ID: SV-5
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 11:39
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	15.4	0.667	--	54.3	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	3.02	0.667	--	9.65	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	1.79	0.667	--	6.16	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	ND	0.667	--	ND	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	2.97	0.667	--	12.2	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	10.8	0.667	--	40.7	2.51	--		3.333
2-Hexanone	3.09	0.667	--	12.7	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	1.08	0.667	--	7.32	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	1.34	0.667	--	5.82	2.90	--		3.333
p/m-Xylene	4.43	1.33	--	19.2	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-05 D
Client ID: SV-5
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 11:39
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	1.88	0.667	--	8.17	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	0.890	0.667	--	4.38	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	86		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-06 D
Client ID: DUP061615
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/21/15 00:50
Analyst: RY

Date Collected: 06/16/15 10:59
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	2.24	2.00	--	4.63	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	5.80	2.00	--	12.8	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	352	25.0	--	663	47.1	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	543	10.0	--	1290	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	15.7	5.00	--	38.6	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	15.9	5.00	--	48.2	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	6.23	2.00	--	19.4	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	663	5.00	--	1960	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-06 D
Client ID: DUP061615
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 10:59
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	46.9	2.00	--	165	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	5.14	2.00	--	16.4	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	8.25	2.00	--	33.8	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	10.1	2.00	--	38.1	7.54	--		10
2-Hexanone	3.56	2.00	--	14.6	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003
Lab Number: L1513486
Report Date: 06/23/15

SAMPLE RESULTS

Lab ID: L1513486-06 D
Client ID: DUP061615
Sample Location: 5 BAY STREET, STATEN ISLAND, N
Date Collected: 06/16/15 10:59
Date Received: 06/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	77		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	86		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/20/15 13:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG795609-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/20/15 13:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG795609-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/20/15 13:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG795609-4								
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/20/15 13:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG795609-4								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/20/15 13:18

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG795609-4								
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG795609-3								
Chlorodifluoromethane	83		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	77		-		70-130	-		
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	87		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91		-		70-130	-		
Methanol	84		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
Butane	82		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	83		-		70-130	-		
Ethyl Alcohol	86		-		70-130	-		
Dichlorofluoromethane	86		-		70-130	-		
Vinyl bromide	90		-		70-130	-		
Acrolein	74		-		70-130	-		
Acetone	92		-		70-130	-		
Acetonitrile	83		-		70-130	-		
Trichlorofluoromethane	91		-		70-130	-		
iso-Propyl Alcohol	92		-		70-130	-		
Acrylonitrile	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG795609-3								
Pentane	80		-		70-130	-		
Ethyl ether	77		-		70-130	-		
1,1-Dichloroethene	91		-		70-130	-		
tert-Butyl Alcohol	84		-		70-130	-		
Methylene chloride	88		-		70-130	-		
3-Chloropropene	87		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
Vinyl acetate	104		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		
Ethyl Acetate	98		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	83		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	89		-		70-130	-		
Isopropyl Ether	87		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG795609-3								
Ethyl-Tert-Butyl-Ether	83		-		70-130	-		
1,1,1-Trichloroethane	88		-		70-130	-		
1,1-Dichloropropene	88		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	86		-		70-130	-		
Cyclohexane	88		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	86		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	89		-		70-130	-		
1,4-Dioxane	90		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	90		-		70-130	-		
Methyl Methacrylate	85		-		70-130	-		
Heptane	85		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	90		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG795609-3								
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	93		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	93		-		70-130	-		
Octane	93		-		70-130	-		
Tetrachloroethene	98		-		70-130	-		
1,1,1,2-Tetrachloroethane	90		-		70-130	-		
Chlorobenzene	100		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	101		-		70-130	-		
1,2,3-Trichloropropane	94		-		70-130	-		
Nonane (C9)	90		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	96		-		70-130	-		
o-Chlorotoluene	95		-		70-130	-		
n-Propylbenzene	95		-		70-130	-		
p-Chlorotoluene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG795609-3								
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	98		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Decane (C10)	98		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	97		-		70-130	-		
Undecane	105		-		70-130	-		
Dodecane (C12)	129		-		70-130	-		
1,2,4-Trichlorobenzene	122		-		70-130	-		
Naphthalene	119		-		70-130	-		
1,2,3-Trichlorobenzene	119		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG795609-5 QC Sample: L1513534-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.336	0.285	ppbV	16		25
Chloromethane	0.448	0.566	ppbV	23		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	15.3	17.3	ppbV	12		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	14.1	16.4	ppbV	15		25
Trichlorofluoromethane	0.203	0.254	ppbV	22		25
iso-Propyl Alcohol	2.30	2.57	ppbV	11		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.690	0.782	ppbV	13		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG795609-5 QC Sample: L1513534-02 Client ID: DUP Sample						
2-Butanone	22.5	26.1	ppbV	15		25
Ethyl Acetate	0.750	0.791	ppbV	5		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	0.901	1.02	ppbV	12		25
n-Hexane	0.372	0.481	ppbV	**26**	Q	25
Benzene	0.297	0.385	ppbV	**26**	Q	25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.503	0.638	ppbV	24		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	2.18	2.71	ppbV	22		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	5.84	5.99	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG795609-5 QC Sample: L1513534-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	2.00	2.12	ppbV	6	25
p/m-Xylene	11.5	11.9	ppbV	3	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	4.69	4.87	ppbV	4	25
4-Ethyltoluene	0.234	0.234	ppbV	0	25
1,3,5-Trimethylbenzene	0.396	0.433	ppbV	9	25
1,2,4-Trimethylbenzene	1.11	1.16	ppbV	4	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	20.8	21.8	ppbV	5	25
1,2-Dichlorobenzene	0.390	0.436	ppbV	11	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: LIGHTHOUSE POINT

Lab Number: L1513486

Project Number: 1637.0001Y003

Report Date: 06/23/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1513486-01	SV-1	0554	#30 SV	06/16/15	205166		-	-	-	Pass	18	17.8	1
L1513486-01	SV-1	2032	2.7L Can	06/16/15	205166	L1512794-01	Pass	-29.8	-4.9	-	-	-	-
L1513486-02	SV-2	0150	#30 SV	06/16/15	205166		-	-	-	Pass	18	18.4	2
L1513486-02	SV-2	489	2.7L Can	06/16/15	205166	L1512794-01	Pass	-28.6	-4.6	-	-	-	-
L1513486-03	SV-3	0696	#16 AMB	06/16/15	205166		-	-	-	Pass	17.5	17.2	2
L1513486-03	SV-3	260	2.7L Can	06/16/15	205166	L1512794-01	Pass	-29.5	-5.0	-	-	-	-
L1513486-04	SV-4	0019	#20 AMB	06/16/15	205166		-	-	-	Pass	17.5	17.0	3
L1513486-04	SV-4	478	2.7L Can	06/16/15	205166	L1512794-01	Pass	-28.9	-4.5	-	-	-	-
L1513486-05	SV-5	0029	#20 SV	06/16/15	205166		-	-	-	Pass	17.1	15.0	13
L1513486-05	SV-5	143	2.7L Can	06/16/15	205166	L1512794-01	Pass	-29.8	-5.1	-	-	-	-
L1513486-06	DUP061615	0214	#20 SV	06/16/15	205166		-	-	-	Pass	18	19.2	6
L1513486-06	DUP061615	1739	2.7L Can	06/16/15	205166	L1512794-01	Pass	-29.8	-4.7	-	-	-	-

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID:	L1512794-01	Date Collected:	06/08/15 16:25
Client ID:	CAN 2078 SHELF 3	Date Received:	06/09/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	06/09/15 15:53		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01
Client ID: CAN 2078 SHELF 3
Sample Location:

Date Collected: 06/08/15 16:25
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01
Client ID: CAN 2078 SHELF 3
Sample Location:

Date Collected: 06/08/15 16:25
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01
Client ID: CAN 2078 SHELF 3
Sample Location:

Date Collected: 06/08/15 16:25
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01

Client ID: CAN 2078 SHELF 3

Sample Location:

Date Collected: 06/08/15 16:25

Date Received: 06/09/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	87		60-140

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID:	L1512794-01	Date Collected:	06/08/15 16:25
Client ID:	CAN 2078 SHELF 3	Date Received:	06/09/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/09/15 15:53		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01
Client ID: CAN 2078 SHELF 3
Sample Location:

Date Collected: 06/08/15 16:25
Date Received: 06/09/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1512794

Report Date: 06/23/15

Air Canister Certification Results

Lab ID: L1512794-01
Client ID: CAN 2078 SHELF 3
Sample Location:

Date Collected: 06/08/15 16:25
Date Received: 06/09/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	90		60-140

Project Name: LIGHTHOUSE POINT
Project Number: 1637.0001Y003

Lab Number: L1513486
Report Date: 06/23/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513486-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1513486-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1513486-03A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1513486-04A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1513486-05A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1513486-06A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513486
Project Number:	1637.0001Y003	**Report Date:**	06/23/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name:	LIGHTHOUSE POINT	**Lab Number:**	L1513486
Project Number:	1637.0001Y003	**Report Date:**	06/23/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/17/15

ALPHA Job #: L1513486 ~~L1513491~~

Client Information

Client: Roux Associates Inc
Address: 209 Shafter St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jcollins@roux-inc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Lighthouse Point
Project Location: 5 Bay St Staten Island NY
Project #: 16637.0001Y003
Project Manager: Jess Collins / Karyn Raymond
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
~~13491~~-01	SV-1	6/16/15	0843	1052	-29.8	-4.58	SV	BK	2.7L	2032	0554		X						Sample time - 0815
13486-02	SV-2	6/16/15	0845	1043	-28.6	-4.53	SV	BK	2.7L	489 ~~1493~~	0157 ~~0039~~		X						ID Can - 489 Flow ID - 0157 / Sample Time 0830
-03	SV-3	6/16/15	0850	1106	-29.5	-4.75	SV	BK	2.7L	260	0646		X						Sample Time - 0845
-04	SV-4	6/16/15	0855	1111	-28.9	-4.60	SV	BK	2.7L	478	0019		X						Sample Time - 0900
-05	SV-5	6/16/15	0900	1139	-29.8	-5.26	SV	BK	2.7L	143	0079		X						Sample Time - 0915
-06	DUP061615	6/16/15	0905	1059	-29.8	-4.58	SV	BK	2.7L	1739	0214		X						Sample Time - 1200

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	6/16/15 1200	[signature] / AL	6/16/15 1200
[signature]	6/16/15 1830	[signature]	6-16-15 1830
[signature]	6-17-15 0110	[signature]	6/17/15 0110

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

PLATES

1. Summary of Soil Exceedances
2. Summary of Groundwater Exceedances
3. Summary of Soil Vapor Exceedances

SB-1	7/5/07
Depth (ft bls)	35 - 37
VOCs	
Acetone	67
Metals	
Chromium	34
Copper	54
Lead	130
Mercury	2.7
Nickel	140
Zinc	110
Pesticides	**NE**

SB-12	6/9/15	6/11/15
Depth (ft bls)	0 - 2	24 - 26
Metals		
Arsenic	16	NE
Copper	100	NE
Lead	190	NE
Mercury	0.47	ND
Nickel	80	99
Zinc	110	NE
Pesticides		
4,4'-DDE	8.44	ND
4,4'-DDT	5.98	ND
Dieldrin	155	ND

SB-7	7/6/07
Depth (ft bls)	4 - 6
Metals	
Chromium	52
Nickel	650
Pesticides	**NE**

SB-8	7/6/07
Depth (ft bls)	4 - 6
Metals	
Nickel	120
Pesticides	**NE**

SB-6	7/6/07
Depth (ft bls)	3 - 5
Metals	
Nickel	160
Pesticides	**NE**

SB-5	7/6/07
Depth (ft bls)	3 - 5
Metals	
Copper	100
Lead	330
Mercury	0.35
Nickel	170
Zinc	130
Pesticides	**NE**

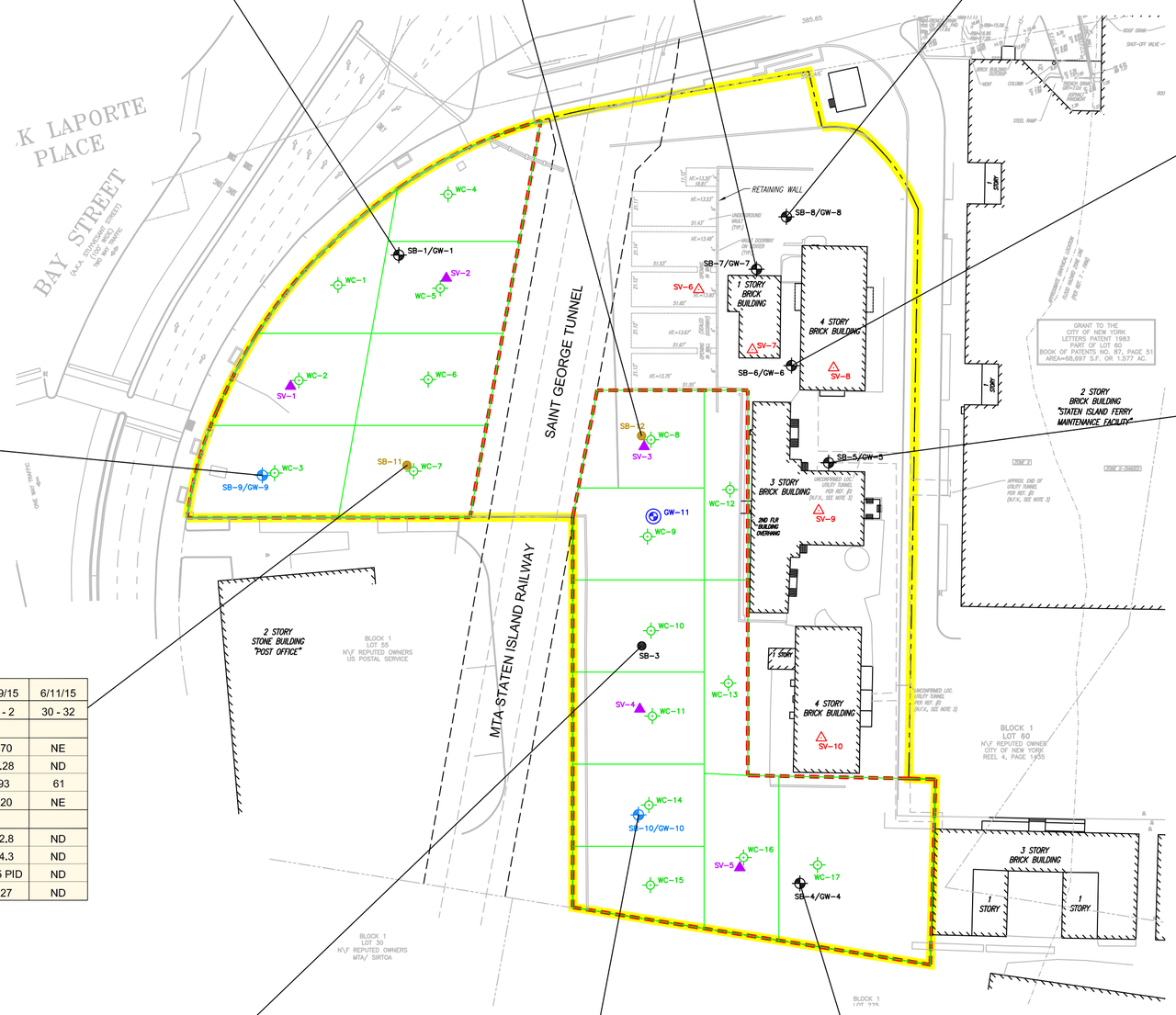
SB-9	6/8/15	6/15/15
Depth (ft bls)	0 - 2	30 - 32
Metals		
Nickel	NE	41
Pesticides		
4,4'-DDE	3.85	ND
Dieldrin	16.9	ND

SB-11	6/9/15	6/11/15
Depth (ft bls)	0 - 2	30 - 32
Metals		
Lead	170	NE
Mercury	0.28	ND
Nickel	93	61
Zinc	120	NE
Pesticides		
4,4'-DDE	12.8	ND
4,4'-DDT	14.3	ND
alpha-Chlordane	165 PID	ND
Dieldrin	127	ND

SB-3	7/5/07
Depth (ft bls)	12 - 14
Metals	
Chromium	46
Nickel	300
Pesticides	**NE**

SB-10	6/10/15	6/15/15	6/15/15
Depth (ft bls)	0 - 2	24 - 26	24 - 26
Metals			**DUP**
Arsenic	17	NE	NE
Chromium	NE	NE	47
Copper	70	NE	NE
Lead	230	NE	NE
Mercury	0.35	NE	NE
Nickel	50	56	100
Zinc	110	NE	NE
Pesticides			
4,4'-DDE	44.6	ND	ND
4,4'-DDT	28.5	ND	3.96
Dieldrin	41.5	ND	ND

SB-4	7/6/07
Depth (ft bls)	10 - 12
Metals	
Nickel	260
Pesticides	**NE**



LEGEND

- PROJECT BOUNDARY
- PROPOSED SCOPE OF EXCAVATION BOUNDARY
- PROPOSED SOIL CHARACTERIZATION GRID
- WC-1 — IN SITU SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- SB-11 — SOIL SAMPLING LOCATION AND DESIGNATION
- SB-10/GW-10 — SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-3 — SOIL VAPOR/SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- SB-3 — 2007 PHASE II SOIL SAMPLING LOCATION AND DESIGNATION
- SB-5 — 2007 PHASE II SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-8 — PROPOSED SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- GW-11 — EXISTING MONITORING WELL LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID →	SB-9	6/8/15	6/15/15	← SAMPLE DATE
	Depth (ft bls)	0 - 2	30 - 32	← SAMPLE DEPTH
ANALYTES →	**Metals**			CONCENTRATIONS
	Nickel	NE	41	
	Pesticides			
	4,4'-DDE	3.85	ND	
	Dieldrin	16.9	ND	

STANDARDS

Parameter	Standards*	Standards**
VOCs (µg/kg)		
Acetone	50	100000
SVOCs (µg/kg)	**NE**	**NE**
Metals (mg/kg)		
Arsenic	13	16
Chromium	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Zinc	109	10000
PCBs (µg/kg)	**NE**	**NE**
Pesticides (µg/kg)		
4,4'-DDE	3.3	8900
4,4'-DDT	3.3	7900
alpha-Chlordane	94	4200
Dieldrin	5	200

mg/kg -Milligrams per kilogram
µg/kg -Micrograms per kilogram
*NYSDEC Part 375 Unrestricted Use Standards
**NYSDEC Part 375 Restricted Residential Standards
NYSDEC - New York State Department of Environmental Conservation
J - Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
NE - No exceedance
ND - No detection
NA - Not analyzed for by laboratory
ft bls - Feet below land surface

60' 0 60'

Title:

SUMMARY OF SOIL EXCEEDANCES

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared For:
TRIANGLE EQUITIES – 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 05AUG	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: J.C.	Project: 1637.0001Y003	
File: 1637.0001Y114.01.DWG		

V:\CAD\PROJECTS\1637\0001Y\114\1637.0001Y114.01.DWG

GW-1	7/5/07
Analyte	
VOCs	
Methylene chloride	5.2
SVOCs	**NE**
Metals, Total	
Arsenic	32
Barium	1300
Chromium	360
Copper	270
Lead	160
Nickel	2900
Metals, Dissolved	**NE**
Pesticides	**NE**

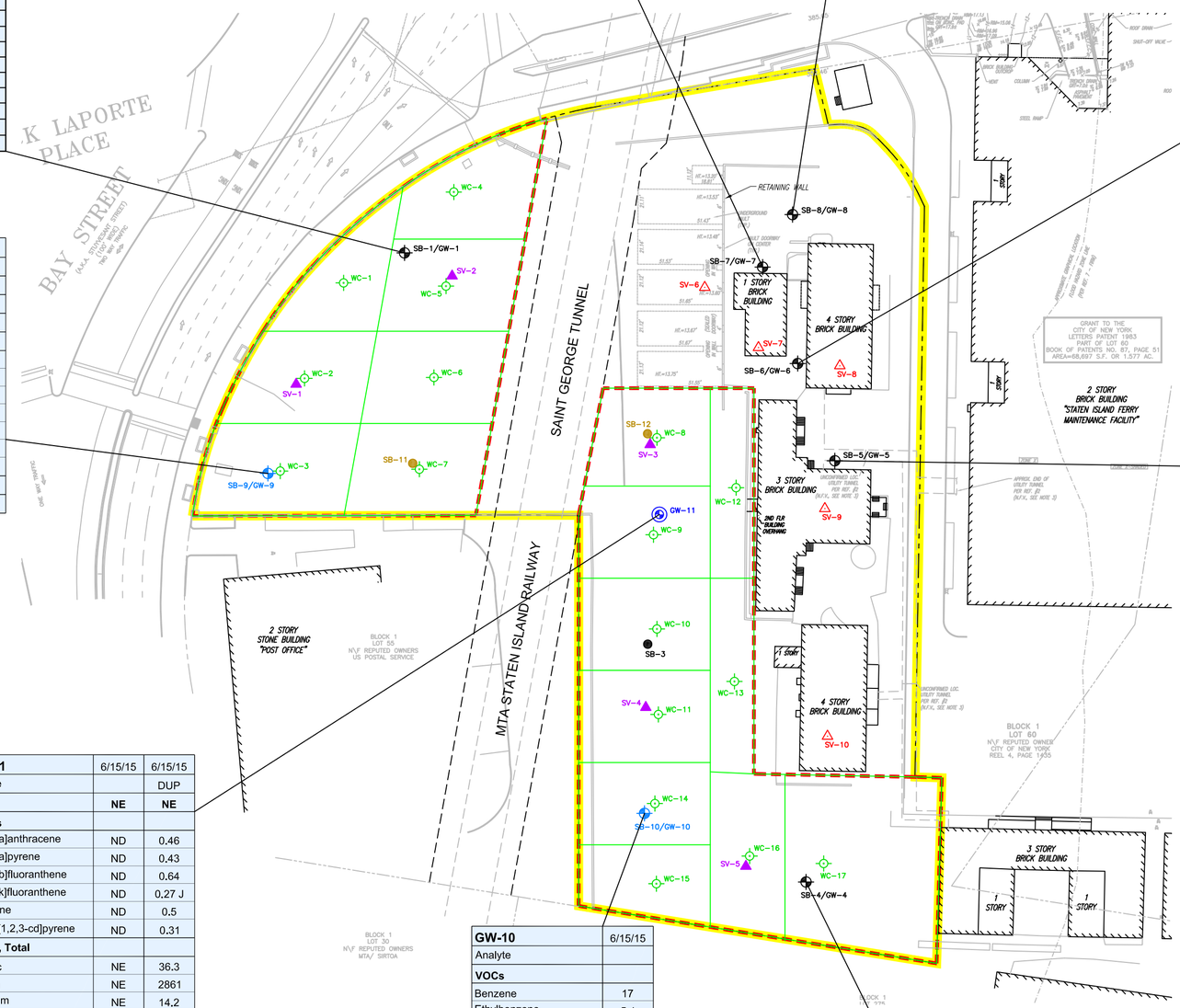
GW-7	7/5/07
Analyte	
VOCs	**NE**
SVOCs	**NE**
Metals, Total	
Chromium	59
Nickel	520
Metals, Dissolved	**NE**
Pesticides	**NE**

GW-8	7/5/07
Analyte	
VOCs	**NE**
SVOCs	**NE**
Metals, Total	**NE**
Metals, Dissolved	**NE**
Pesticides	**NE**

GW-6	7/5/07
Analyte	
VOCs	**NE**
SVOCs	**NE**
Metals, Total	
Arsenic	61
Beryllium	5.3
Chromium	280
Copper	590
Lead	190
Nickel	1700
Metals, Dissolved	**NE**
Pesticides	**NE**

GW-9	6/15/15
Analyte	
VOCs	
Chloroform	29
SVOCs	**NE**
Metals, Total	
Chromium	130.2
Iron	63600
Lead	90.2
Manganese	1921
Nickel	595.2
Selenium	24
Sodium	20900
Metals, Dissolved	**NE**
Pesticides	**NE**

GW-5	7/5/07
Analyte	
VOCs	**NE**
SVOCs	**NE**
Metals, Total	
Lead	45
Nickel	160
Metals, Dissolved	**NE**
Pesticides	**NE**



GW-11	6/15/15	6/15/15
Analyte		DUP
VOCs	**NE**	**NE**
SVOCs		
Benzo[a]anthracene	ND	0.46
Benzo[a]pyrene	ND	0.43
Benzo[b]fluoranthene	ND	0.64
Benzo[k]fluoranthene	ND	0.27 J
Chrysene	ND	0.5
Indeno[1,2,3-cd]pyrene	ND	0.31
Metals, Total		
Arsenic	NE	36.3
Barium	NE	2861
Beryllium	NE	14.2
Chromium	NE	163.7
Copper	NE	939.8
Iron	60200	164000
Lead	61.4	600.2
Manganese	2158	14240
Nickel	219.1	2364
Selenium	17	77
Sodium	317000	394000
Thallium	NE	0.8
Metals, Dissolved		
Sodium	308000	300000
Pesticides		
Dieldrin	0.012 J	0.018 J

GW-10	6/15/15
Analyte	
VOCs	
Benzene	17
Ethylbenzene	5.4
o-Xylene	5.8
Toluene	46
Xylenes (total)	8.0 J
SVOCs	**NE**
Metals, Total	
Arsenic	56.8
Barium	7398
Beryllium	12.2
Chromium	873.6
Copper	1262
Iron	223000
Lead	417.6
Manganese	19110
Nickel	7463
Selenium	74
Sodium	198000
Thallium	1.3
Metals, Dissolved	**NE**
Manganese	1926
Sodium	200000
Pesticides	**NE**

GW-4	7/5/07
Analyte	
VOCs	**NE**
SVOCs	**NE**
Metals, Total	
Arsenic	41
Barium	1800
Beryllium	4.7
Chromium	270
Copper	610
Lead	130
Nickel	3400
Metals, Dissolved	
Nickel	110
Pesticides	**NE**

LEGEND

- PROJECT BOUNDARY
- PROPOSED SCOPE OF EXCAVATION BOUNDARY
- PROPOSED SOIL CHARACTERIZATION GRID
- WC-1 IN SITU SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- SB-11 SOIL SAMPLING LOCATION AND DESIGNATION
- SB-10/GW-10 SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-3 SOIL VAPOR/SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- SB-3 2007 PHASE II SOIL SAMPLING LOCATION AND DESIGNATION
- SB-5 2007 PHASE II SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-8 PROPOSED SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- GW-11 EXISTING MONITORING WELL LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID → GW-9 | 6/15/15 ← SAMPLE DATE

ANALYTES — CONCENTRATIONS

GW-9	6/15/15
Analyte	
VOCs	
Chloroform	29
SVOCs	**NE**
Metals, Total	
Chromium	130.2
Iron	63600
Lead	90.2
Manganese	1921
Nickel	595.2
Selenium	24
Sodium	20900
Metals, Dissolved	**NE**
Pesticides	**NE**

STANDARDS

Parameter	Standards* (µg/L)
VOCs	
Benzene	1
Chloroform	7
Ethylbenzene	5
Methylene chloride	5
o-Xylene	5
Toluene	5
Xylenes (total)	5
SVOCs	
Benzo[a]anthracene	0.002
Benzo[a]pyrene	0
Benzo[b]fluoranthene	0.002
Benzo[k]fluoranthene	0.002
Chrysene	0.002
Indeno[1,2,3-cd]pyrene	0.002
Metals, Total	
Arsenic	25
Barium	1000
Beryllium	3
Chromium	50
Copper	200
Iron	300
Lead	25
Manganese	300
Nickel	100
Selenium	10
Sodium	20000
Thallium	0.5
Metals, Total	
Manganese	300
Sodium	20000
PCBs	**NE**
Pesticides	
Dieldrin	0.004

Concentrations in µg/L
µg/L -Micrograms per liter
*NYSDEC AWQSGVs
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- Not detected above NYSDEC AWQSGV
B - Found in laboratory blank
E - Exceeds calibration limit
D - Dilution
J - Estimated value
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
NE - No exceedances
ND - No detection

60' 0 60'

Title:

SUMMARY OF GROUNDWATER EXCEEDANCES

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared For:
TRIANGLE EQUITIES – 5 BAY STREET, LLC

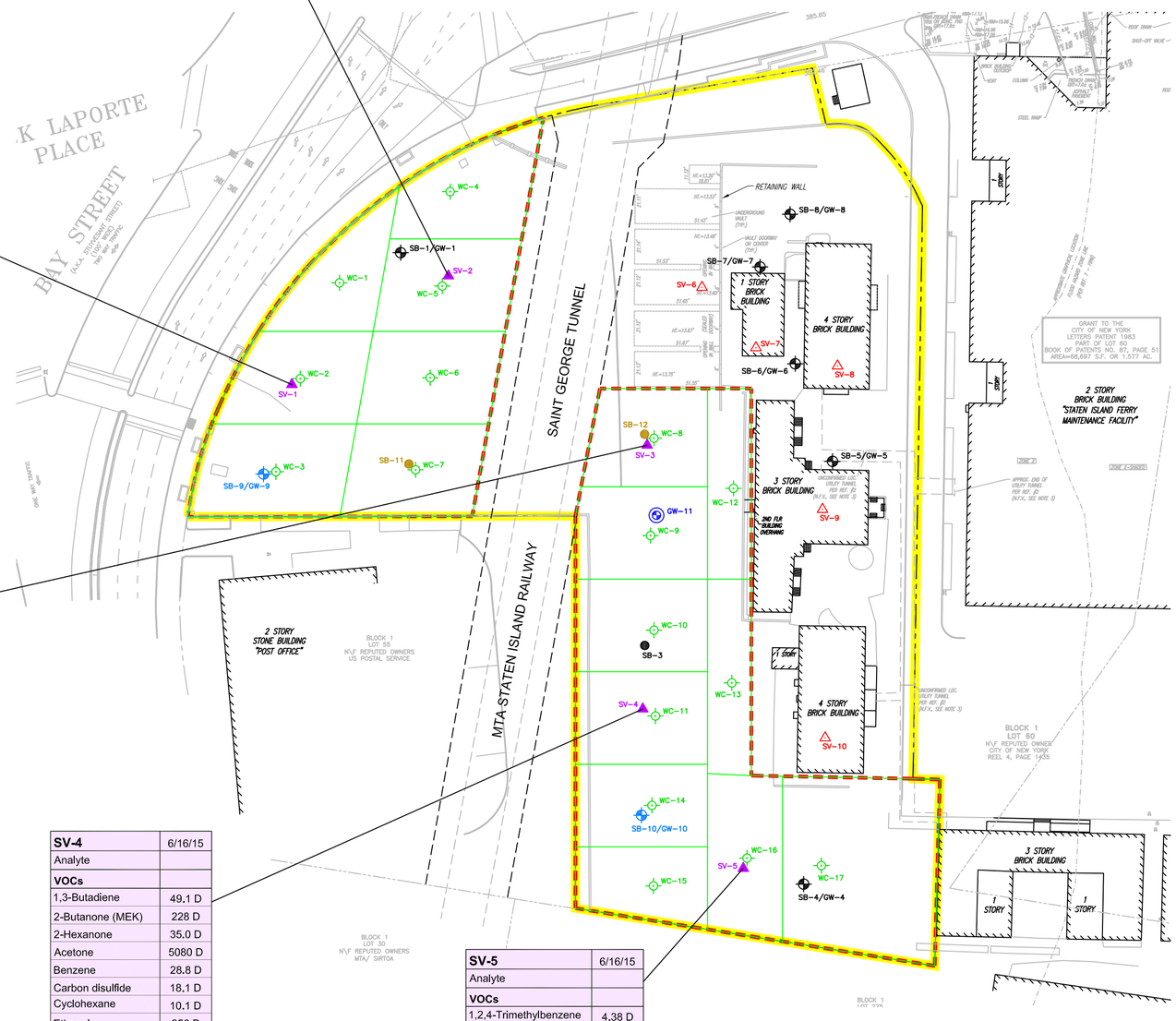
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 05AUG15	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: J.C.	Project: 1637.0001Y003	2
File: 1637.0001Y114.01.DWG		

V:\CAD\PROJECTS\1637X\0001Y\114\1637.0001Y114.01.DWG

SV-2	6/16/15
Analyte	
VOCs	
2-Butanone (MEK)	9820 D
2-Hexanone	496 D
Acetone	3680 D
Carbon disulfide	37.4 D
cis-1,2-Dichloroethene	65.8 D
Ethanol	878 D
Isopropanol	79.2 D
n-Hexane	71.5 D
Trichloroethene	434 D

SV-1	6/16/15	6/16/15
Analyte		DUP
VOCs		
1,3-Butadiene	14.8 D	12.8 D
2-Butanone (MEK)	3780 D	1960 D
2-Hexanone	85.7 D	14.6 D
Acetone	2110 D	1290 D
Benzene	16.5 D	16.4 D
Carbon disulfide	17.4 D	19.4 D
Chloromethane	ND	4.63 D
Ethanol	750 D	663 D
Heptane	36.4 D	33.8 D
Isopropanol	55.8 D	38.6 D
n-Hexane	164 D	165 D
t-Butyl Alcohol	61.8 D	48.2 D
Toluene	34.9 D	38.1 D



SV-3	6/16/15
Analyte	
VOCs	
2-Butanone (MEK)	858 D
2-Hexanone	122 D
Acetone	5390 D
Carbon disulfide	7.94 D
Ethanol	234 D
Heptane	18.2 D
Isopropanol	54.1 D
m+p-Xylene	20.0 D
n-Hexane	20.7 D
t-Butyl Alcohol	70.3 D
Tetrachloroethene	56.4 D
Toluene	31.1 D

SV-4	6/16/15
Analyte	
VOCs	
1,3-Butadiene	49.1 D
2-Butanone (MEK)	228 D
2-Hexanone	35.0 D
Acetone	5080 D
Benzene	28.8 D
Carbon disulfide	18.1 D
Cyclohexane	10.1 D
Ethanol	256 D
Heptane	21.6 D
Isopropanol	93.9 D
n-Hexane	288 D
t-Butyl Alcohol	87.0 D
Toluene	44.5 D

SV-5	6/16/15
Analyte	
VOCs	
1,2,4-Trimethylbenzene	4.38 D
1,3-Butadiene	8.80 D
2-Butanone (MEK)	83.8 D
2-Hexanone	12.7 D
Acetone	2400 D
Benzene	9.65 D
Carbon disulfide	43.0 D
Chloromethane	7.85 D
Cyclohexane	6.16 D
Ethanol	48.6 D
Ethylbenzene	5.82 D
Heptane	12.2 D
Isopropanol	14.1 D
m+p-Xylene	19.2 D
n-Hexane	54.3 D
o-Xylene	8.17 D
t-Butyl Alcohol	44.3 D
Tetrachloroethene	7.32 D
Toluene	40.7 D

LEGEND

- PROJECT BOUNDARY
- PROPOSED SCOPE OF EXCAVATION BOUNDARY
- PROPOSED SOIL CHARACTERIZATION GRID
- WC-1 — IN SITU SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- SB-11 — SOIL SAMPLING LOCATION AND DESIGNATION
- SB-10/GW-10 — SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-3 — SOIL VAPOR/SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- SB-3 — 2007 PHASE II SOIL SAMPLING LOCATION AND DESIGNATION
- SB-5 — 2007 PHASE II SOIL AND GROUNDWATER SAMPLING LOCATION AND DESIGNATION
- SV-8 — PROPOSED SUB-SLAB VAPOR SAMPLING LOCATION AND DESIGNATION
- GW-11 — EXISTING MONITORING WELL LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID → **SV-2** | 6/16/15 ← SAMPLE DATE

Analyte	
VOCs	
2-Butanone (MEK)	9820 D
2-Hexanone	496 D
Acetone	3680 D
Carbon disulfide	37.4 D
cis-1,2-Dichloroethene	65.8 D
Ethanol	878 D
Isopropanol	79.2 D
n-Hexane	71.5 D
Trichloroethene	434 D

ANALYTES — CONCENTRATIONS

Concentrations in $\mu g/m^3$

$\mu g/m^3$ -Micrograms per cubic meter

VOCs - Volatile Organic Compounds

ND - Compound was analyzed for but not detected

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

DUP - Duplicate Sample

60' 0 60'

Title:

SUMMARY OF SOIL VAPOR EXCEEDANCES

REMEDIAL INVESTIGATION
LIGHTHOUSE POINT
STATEN ISLAND, NEW YORK

Prepared For:

TRIANGLE EQUITIES – 5 BAY STREET, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.K.	Date: 05AUG	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: J.C.	Project: 1637.0001Y003	
File: 1637.0001Y114.01.DWG		

V:\CAD\PROJECTS\1637X\0001Y\114\1637.0001Y114.01.DWG